ANNUAL REPORT
2023

Junker Sanitary Landfill
Town of Hudson, Wisconsin

May 2024

Prepared for:
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Annual Report 2023
Junker Sanitary Landfill
Town of Hudson, Wisconsin

I, Anna Beckman, hereby certify that I am a professional geologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 500 and NR 700 to 726, Wis. Adm. Code.

Anna Beckman

5/22/2024

Anna Beckman, P.G.
Professional Geologist

Date

I, Mitch Evenson, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 500 and NR 700 to 726, Wis. Adm. Code.

Mitch Evenson

5/22/2024

Mitch Evenson, C. H. M. M.
Certified Hazardous Materials Manager

Date

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1.0 Introduction

This report documents the operation, maintenance, and monitoring at the Junker Sanitary Landfill (Junker Landfill), WDNR Facility ID #656026800, for the year 2023. Cedar Corporation has managed landfill responsibilities from March 2012 to present. Mr. Mitch Evenson, CHMM, is the Project Manager and can be contacted at 715-235-9081. This report was compiled in accordance with Wisconsin Administrative Code (WAC), chapter NR 724.

The Landfill Remediation Trust (LRT) operates a gas and leachate extraction system with 22 gas monitoring wells (GMWs) (3 of which are also monitoring wells), 25 leachate monitoring wells (most of which are also gas extraction wells), and 4 leachate recovery wells. On-site and nearby off-site groundwater conditions are monitored through a network of 20 groundwater monitoring wells. The Special Well Casing Depth Area (SWCDA) has been designated by the Wisconsin Department of Natural Resources (WDNR), and point-of-entry (POE) granular activated carbon (GAC) filter systems were available for the effected residents. Figure 2 presents the SWCDA, the locations of the off-site groundwater monitoring wells and the general groundwater elevation contours.

2.0 Background

2.1 Location

The Junker Sanitary Landfill (Junker Landfill) is located in the SE ¼ of the SE ¼ and the SW ¼ of the SE ¼, Section 13, T 29 N, R 19W, six miles east of the City of Hudson, one-half mile north of USH 12 on Alexander Road, and addressed as 917 Alexander Road in the Town of Hudson, St. Croix County, Wisconsin. The landfill occupies approximately 15 acres of a 41.1-acre tract of land in a rural residential and wooded setting.

2.2 Geology and Hydrogeology

Elevation on-site varies from approximately 940 ft. to 1,100 ft. above mean sea level (amsl). The surface of the capped landfill itself lies between approximately 956 ft. to 1,030 ft. amsl. Surface geology in the vicinity of the landfill generally consists of Quaternary glacial pitted outwash containing stratified and sandy ice-contact deposits. According to GMW geologic logs (GMW-5 through GMW-10) the outwash is approximately 56 to 98 ft. thick and consists of predominantly sand interbedded with non-contiguous silt layers, underlying layers of clay and gravel deposits overlying the bedrock. The outwash thickness increases westward to over 200 ft.; however, a peninsular extension of bedrock extends north across Highway 12 and crops out along the Highway 12 road cut east of LaBarge Road to near Chippewa Path and again east of Alexander Road. Bedrock encountered in borings GMW-6 through GMW-10 along the southwest side of the landfill is composed of dolomite from the Prairie du Chien Group and is noted at elevations from 910 ft. to 953 ft. amsl. The dolomite is fractured and characterized by solution channels and sinkholes in this region. The St. Peter Sandstone was encountered in GMW-5 at an elevation of approximately 912 ft. amsl. north and south of the landfill. The bedrock is composed of St. Peter Sandstone and ranges from 5 ft. to 40ft. thick, respectively. A fault zone running north-northeast is known to exist approximately 3 miles west of the landfill and has offsets of greater than 200 ft.
The landfill lies within the St. Croix River drainage basin and is 6.5 miles east of the river. No natural surface waters exist near the landfill. Groundwater elevation within the landfill property boundaries has historically measured between approximately 894 ft. to 902 ft. msl (mean sea level) elevation. At this depth in the vicinity of the landfill, the water table is

present within the Prairie du Chien bedrock. West of the landfill, the groundwater saturates the lower Quaternary unconsolidated formations.

Several hundred residences have been constructed in the local area. Drinking water is obtained through private wells constructed primarily in the upper Prairie du Chien and the basal Quaternary aquifers. A SWCDA was established for groundwater supply wells inclusive of Sections 13, 14, and 15, and parts of Sections 22 and 24, in Township 29 North, Range 19 West.

To evaluate groundwater quality, the LRT constructed several monitoring wells in two aquifers (Quaternary and Prairie du Chien) in the early 1990's. Additional monitoring wells were installed downgradient of the landfill in May 2021 (see section 3.4 Groundwater Monitoring Wells below for additional details). The upper aquifer matrix consists of unconsolidated sediments including sands, gravels, silts, etc., and the lower aquifer is found in the bedrock. Groundwater elevation measurements collected in the upper aquifer from wells MW-3, MW-8, and MW-13 between October 1997 and June 2023, indicate lateral groundwater flow gradients at the landfill ranged from 0.0011 ft./ft. to 0.006 ft./ft. to the west-northwest (Figure 2). Based on groundwater elevation measurements in the lower aquifer from wells MW-11, MW-14, and MW-15A or MW-16 for the same time frame, the regional lateral groundwater flow gradient ranged from 0.0042 to 0.006 ft./ft. and flows generally west-northwest.

Vertical measurement of groundwater movement is evaluated using groundwater elevations measured at MW-9 and MW-10, a specially constructed pair of nested wells located on the northwest rim of the landfill. Variation of groundwater elevations are measurements and calculated from these wells to provide an estimate of vertical mixing in the groundwater. The vertical movement (gradient) was measured between October 1997 and June 2023 at the landfill and appeared to be consistently downward with ranges in value from -0.012 ft./ft. to -0.067 ft./ft. During the same time period, groundwater measurements were collected at a nested trio of wells (MW-15A, MW-15B and MW-15C) about 1.75 miles west of the landfill. A generally consistent upward vertical gradient has been observed in this well nest. The upward vertical gradient was observed to be 0.003 ft./ft. in June 2023. MW-15A was dry between 2007 to 2010 and again in 2012 and 2013.

The strength of this physical characteristic of the aquifer varies over the entire SWCDA but is typical of normal downward gradient observed in Wisconsin groundwater except at river and lake margins. Vertical gradients play an important role in controlling contaminant movements in the groundwater plume. The observed downward component of groundwater movement provides an explanation for the occurrence of trichloroethylene (TCE) contamination in replacement wells which are typically drilled deeper than the original contaminant free shallower well on a given property (e.g., 825 Hillside Trail).

2.3 Site History

Junker Landfill was originally constructed as a gravel pit in 1972 and was later converted to a 2-acre solid-waste disposal site licensed to accept only wood, glass, paper, and plastic. Approval was granted by the WDNR to expand the disposal site to a 15-acre sanitary landfill operation in 1975. In 1977, the Junker Landfill was leased. During this time, the site received municipal solid waste, sewage sludge, and demolition, commercial, and industrial wastes. Operation of the landfill ceased in 1987. This landfill is considered a natural

attenuation landfill. Waste was placed in the landfill from north to south, but no documents are known to exist showing the location of the individual waste types. The deepest point of the gravel pit lies at the southeast corner of the landfill. An estimated 1.25 million cubic yards of compacted waste was placed in the landfill. The Dames and Moore reports "RA/RD Project Plans Report," (August 1996), and "100% Final Design Submittal," (April 1997), documented the presence of approximately 24 ft. to 18 ft., respectively, of saturated waste in leachate extraction well LEW-1 located at the southeastern end of the landfill. This coincides with the deepest part of the former gravel pit. In 1985, the WDNR directed the installation of wells MW-3 through MW-6 and identified groundwater contamination as originating from the landfill.

In the late 1980's, the landfill was capped, and additional groundwater monitoring wells (MW-7 through MW-10) were installed. According to the landfill construction reports by Dames & Moore, the waste is capped with 2 ft. of compacted clay overlain with 1.5-2.5 ft. or more of cover soil and 0.5 ft. of topsoil totaling a minimum of 5 ft. cap thickness. Surface runoff water is directed toward one of two sedimentation ponds adjacent to the landfill. An active landfill gas (LFG) extraction system with leachate collection capabilities was installed in the early 1990's after LFG was observed off-site. LFG migration is monitored by a series of LFG monitoring points located between the landfill and adjoining properties. Landfill leachate infiltrating into the underlying groundwater is considered the principal source for transfer of contaminants to groundwater; therefore, four leachate extraction pumps were installed and initialized in December 1993. Recovered leachate is removed from an onsite storage tank and is treated at the wastewater treatment plant in Hudson, Wisconsin.

In 1991, the WDNR established the SWCDA. Sampling of private wells within the SWCDA in 1994 revealed that many wells were contaminated with TCE and tetrachloroethene or perchloroethylene (PCE). Additional monitoring wells, MW-11 through MW-16, were installed in 1995 to further delineate the groundwater contaminant plume and determine its migration characteristics. Ongoing activities damaged MW-5 which was sealed in 2006 and ultimately abandoned.

A Remedial Investigation was completed in 1995, as was a Remedial Action Feasibility Study in 1996. As multiple entities were involved in the disposal of the waste, a judicial Consent Decree and Record of Decision (ROD) was established in 1996. In 1997, POE GAC filters were installed at homes and businesses within the Junker landfill portion of the SWCDA. Two types of GAC filters are used for privately owned residential wells. These include JL-100s and JL-300s. Three additional gas extraction wells and one leachate extraction well were installed in 1997 in addition to six leachate extraction pumps installed in the gas extraction wells located in the southeast corner of the landfill. An area of the capped landfill was opened to receive remaining waste, construct system upgrades, and make repairs, after which it was re-capped. This action was documented in a Construction Documentation Report from 1998.

The Completion of Remedy Report dated February 1999 was submitted to the WDNR in July 1999. Operation, maintenance, and monitoring continue with annual progress reports submitted to the WDNR.

2.4 Clean-Up Goals and Time Frame

The specific objectives for remedial action as stated in the Record of Decision (Section VII) include:

1. Eliminate risk associated with direct contact of waste.

2. Eliminate human exposure to contaminants in water supplies through inhalation, ingestion or dermal exposure and to comply with applicable drinking water standards.

3. Prevent all lateral or downward migration of LFG off-site in violation of Chs. NR 502, 504 and 506 of Wis. Adm. Code.

4. Control the release of on-site LFG to the atmosphere in compliance with NR 445.

5. Minimize the generation of leachate at the site and reduce leachate levels.

6. Reduce the concentration of contaminants that exceed Ch. NR 140, Wis. Adm. Code groundwater quality standards at monitoring wells and private water supply wells outside the waste-management area.

7. Prevent migration of impacted groundwater in violation of Ch. NR 140, Wis. Adm. Code.

8. Restore groundwater quality to Ch. NR 140, Wis. Adm. Code standards within a reasonable time period.

Objectives 1, 3, and 4 have been accomplished. Objectives 2 and 5 were further improved by the 2016 reconfiguration of the landfill cap and the 2014 - 2016 leachate collection system upgrade in four of the recovery wells. Objectives 6, 7, and 8 are being achieved through active operation of leachate/condensate and LFG removal systems which reduce the initial sources of contaminants infiltrating into the groundwater. Within the SWCDA, there have historically been over 330 POE GAC filters installed in residential units. These POE GAC filters provide protection to the downgradient private drinking water supplies by treating the contaminated groundwater. Ongoing monitoring of groundwater and private water supply wells has assessed the success of remedial action at the landfill.

This report is prepared to satisfy chapter Wis. Adm. Code NR 724, the Consent Decree (May 21, 1996), and the ROD (August 8, 1996), and to document the landfill operations in 2023, which include:

1. Continued maintenance of the existing landfill-cover system and perimeter control (fencing).

2. Continued operation and maintenance of the existing LFG and leachate extraction systems.

3. Oversight of the Junker Landfill portion of the SWCDA relative to private water

supply well monitoring and protection.

4. Ongoing monitoring of groundwater, leachate, condensate, and LFG.

5. Installation and maintenance of individual POE GAC filters to impacted households and businesses in the SWCDA as stipulated by WDNR.

6. Implementation of any additional remedial actions that are found to be necessary through the additional studies of groundwater quality, landfill seeps, etc.

Cedar Corporation continues to work with the WDNR and LRT to achieve the stated goals of the ROD through periodic landfill operation oversight, monitoring, maintenance of the LFG and leachate collection systems, monitoring of groundwater monitoring wells. These duties include provision of recommendations for long-term operations and coordinated periodic maintenance duties including leachate hauling, snow plowing, and equipment and landfill cap maintenance. Monitoring of private water supply wells was also completed through this program through September 30, 2023 (see details in Section 3.5 below). Culligan of Stillwater, MN has historically provided the private well POE GAC filters. Cedar Corporation coordinated with the private well owners, WDNR, LRT, and Culligan to ensure treatment systems are being installed and operated as needed and obtain the groundwater samples to ensure public health and safety is being maintained.

Other stated goals of the Consent Decree include:

a) The WDNR desires to reduce groundwater levels of volatile organic compounds (VOCs) below the Wis. Adm. Code NR 140 Table 1 preventive action limits (PALs). For example, the current listed PAL for TCE is 0.5 micrograms per liter (µg/L).

b) To decrease TCE concentrations to below the enforcement standard (ES) of 5 µg/L by the first year after the completion of source-control construction. Failure to achieve these goals may lead WDNR to review and implement additional source controls.

An added complication was discovered in October of 1999. Groundwater contamination of elevated TCE concentrations was found off-site and hydrogeologically up-gradient to the Junker Landfill at 961/962 80th Avenue in the Town of Warren. Since 2000, the WDNR has overseen the investigation and remediation of this unrelated TCE spill. Remedial actions of this TCE plume involved an injection slurry of chemicals to both degrade the TCE and encourage bio-enhancement remediation. This area of elevated TCE is not under the oversight of the LRT and is in a separate portion of the SWCDA. The WDNR has assumed authority in the investigation and cleanup management in this portion of the SWCDA. Although the elevated TCE concentrations observed up-gradient of the landfill appear to impact the Junker Landfill portion of the SWCDA, the ROD for the LRT remains unchanged. The WDNR has conducted several groundwater-treatment events with the injection of sodium permanganate in multiple wells since 2004. Additional injections were completed in 2019 and 2020.

2.5 Community Relations

Annual reports for the Junker Landfill are provided to the Hudson Public Library and the Town of Hudson Town Hall. Cedar Corporation was in routine contact with the private water supply well owners by sending letters to schedule groundwater sampling and communicate groundwater analytical results.

3.0 Standard Annual Operation, Monitoring, and Maintenance

3.1 Purpose

This section of the report documents the weekly, bi-weekly, monthly, quarterly, semi-annual and annual operation, monitoring, and maintenance (OMM) of the Junker Landfill features which involve leachate, LFG, groundwater monitoring wells, and off-site landfill features which include residential methane meters and private water supply wells.

3.1.1 General Scope

The site is primarily monitored for leachate, LFG, and groundwater conditions. Monitoring is performed according to Task 1 through Task 6 as described below. Task schedules range from weekly to annually. Task 1 and Task 2 are similar and contain the basic OMM requirements for the LFG extraction system and sampling of private water supply wells. Task 3 includes monitoring GMWs and gas extractions wells by recording gas concentrations and depth-to-leachate measurements and regulating gas concentrations to the extraction system by adjusting the gas extraction well valves. Task 4 includes monitoring the depth-to-leachate in the remaining leachate head wells and gas extraction wells. Task 5 includes monitoring the remaining gas extraction wells and, if necessary, monitoring the methane meters at private residences. Task 6 includes sampling the blower, groundwater monitoring wells, and the leachate/condensate tank.

The detailed scopes of work for each of these tasks are provided in Appendix A. This annual report includes monitoring data from previous site visits and data from the following OMM site visits for 2023:

Task 1 (Weekly)	- January through December
Task 2 (Bi-weekly)	- January through December
Task 3 (Monthly)	- January through December
Task 4 (Quarterly)	- March, June, September and December
Task 5 (Semi-annual)	- June and December
Task 6 (Annual)	- June

In addition to this the report, certain data from Task 3 through Task 6 are prepared electronically and submitted quarterly to the WDNR on electronic media for inclusion on the State's web accessible database. This includes:

* Monthly/quarterly leachate levels
* Monthly/quarterly LFG concentrations, LFG temperature, well head

pressure, and initial flow readings for GMWs and gas extraction wells
* Annual groundwater levels and VOC concentrations in the monitoring wells
* Annual analytical data for condensate/leachate from the tank

Data from November 1997 through December 2023 have been submitted quarterly to the Madison office of the WDNR.

3.2 Leachate

3.2.1 Leachate Recovery System Operation

Precipitation infiltrating through the landfill cap is believed to be the predominate generating source of leachate. Groundwater infiltrating through permeable lenses of surrounding soils and slope into the landfill is considered a second source of leachate generation. Surface water and groundwater percolates through the waste mass dissolving contaminants during its migration to the bottom of the landfill mass. The unlined landfill allows leachate to migrate downward through the waste mass via gravity and dissolve into the groundwater. With increasing leachate volumes comes the potential for increased contaminant impacts to the aquifer, potentially affecting downgradient water supply wells. Thus, landfill cap maintenance and improvements reduce the potential for leachate development and are important methods of groundwater protection.

In 2014, leachate recovery was tested using a vacuum truck at individual well heads. This vacuum technology allows significant volumes of leachate to be recovered in short time frames but is entirely depth dependent, resulting in decreased recovery rates with increases in depth. Although successful in its ability to recover leachate, the process was deemed too inefficient due to the depth to the leachate in the wells and therefore was not cost-efficient per gallon of leachate recovered to implement regular vacuum operations.

An alternate option included installation of four electric submersible pumps designed and constructed for continuous use in landfill leachate. Pumps were installed in four of the leachate recovery wells in mid-December 2014 through mid-2015. After initial success, line surging and flooding resulted in poor LFG recovery. The leachate filled various low points in the leachate transfer piping system. The low points were determined to be located between the leachate head wells GEW-7, GEW-8, GEW-10, GEW-21, and the storage tank drip legs. The low points acted as plumbing p-traps creating vacuum in the pipes thereby blocking the ability to readily remove both leachate and LFG. These low points of piping are a result of the ongoing collapse of waste as it degrades with time.

Options to correct the problem included excavation and relayment of the piping or devising a less invasive method to “clear” the blockages. As the piping is without cleanout access points, regular pipe cleaning techniques could not be utilized. A temporary solution was to use air pressure to “blow” the lines free. A 1.5 Hp blower was permanently installed at the leachate pump panel to

periodically push air through the leachate collection lines, timed with the leachate pumps operation, to automatically pressurize the gas piping after a pumping cycle ceased. To ensure air pressure is directed towards the leachate storage tank, check valves were installed in each potentially affected wellhead to ensure the air pressure was not being forced into the landfill. The discharge is connected to the leachate lines in GEW-8 and GEW-10.

As LFG cannot be extracted during blower "on" periods, the leachate assist blower is on a timer that reduces its on time to less than 10 hours per day. As experience is gained on establishing the critical timing for blower "on" cycles, the blower "on" times will be reduced even further to improve both LFG and leachate recovery efficiency.

Each leachate pump controller is routed through a timer that allows the pump to operate for 3 hours. Each leachate pump operates daily for two 3-hour cycles. The pumps are internally protected from low amperage draw and overheating. Thus, when the leachate in the well is below the operational pumping level, the pump senses the low amp draw and automatically shuts down. Programming in the pump shuts the pump off for a four-hour period and becomes ready to pump when the next timer control cycle directs the pump to operate.

Since 2015, this system has performed very efficiently with the exception of maintenance problems related to an electrical surge associated with a lightning strike overloading the leachate control circuits in 2016, replacement of the timing board in 2019, and the leachate blower nearing its end in 2022. Future maintenance and replacements are discussed in section 3.2.3.

The leachate and condensate from the gas extraction system is routed to the leachate storage tank via two drip-legs located within the gas extraction system. Tank contents are removed by Pinky's Environmental & Sewer Service using a vacuum truck, transported to the Hudson, Wisconsin waste-water treatment facility, and processed before discharge. The volume of tank contents is monitored weekly and removal of leachate was scheduled for between 1 to 2 times per week during 2023.

3.2.2 Leachate Monitoring

Leachate head elevations are monitored as follows:

- Monthly at LEW-1 and GEW-7, GEW-8, GEW-9, GEW-10 and GEW-21.
- Quarterly at the four leachate head wells (LHW-1 through LHW-4), the leachate extraction well (LEW-1) and twenty gas extraction wells (GEW-1 through GEW-15 and GEW-17 through GEW-21).
- Semi-annually at the four leachate head wells (LHW-1 through LHW-4), the leachate extraction well (LEW-1) and twenty gas extraction wells (GEW-1 through GEW-15 and GEW-17 through GEW-21).

Historic leachate head well and gas extraction well leachate thicknesses are presented in Table 1. Leachate thickness measurements collected in June 2023

are summarized in Table A. At this time, leachate was observed to be greater than two feet thick in fifteen of the wells and depth to leachate was not able to be observed in four wells. In reviewing Table 1, the leachate levels in the leachate head wells and gas extraction wells appear to have fluctuated similarly throughout 2023 compared to 2022. The fluctuation of leachate levels may be contingent to the correlation of time of observation and precipitation occurrences, leachate blower tripping, seasonal weather conditions, etc. Overall, leachate levels monitored throughout 2023 have shown to be consistent with recent years.

Table A
Leachate Thickness

Column Thickness (feet)	Well
Dry	LHW-3
0 – 2	GEWs: 2, 5, 14, 15, 17, 18
2 – 5	LHW-4, GEWs: 1, 4, 6, 9
5 – 10	GEWs: 3, 8, 11, 20, 21
10 – 20	GEW-13
Over 20	LEW-1, LHWs: 1, 2, GEW-12

3.2.2.1 Leachate Recovery System Efficiency

Data collected from weekly leachate tank measurements and volume of leachate removed, calculated 180,035 gallons of leachate/condensate was removed from the landfill in 2023. The total amount of leachate removed in 2023 increased by 25% from 2022 and decreased by 4% from 2021. According to the National Weather Service, annual the precipitation total observed at the Robert wastewater treatment plant station was 32.21 inches in 2023 which is just above average and greater than that recorded in 2021 and 2022.

According to National Weather Service, from fall 2022 to spring 2023, total snowfall measured just over 5 feet; snowfall was measured at just over 3 feet from fall 2021 to spring 2022 and fall 2020 to spring 2021. According to this data, 2023 had overall more precipitation and snowmelt than 2021, and 2022.

Total leachate removal trips in 2023 were 60 with 48 trips in 2022, 73 trips in 2021, and 91 trips in 2020. There was more leachate generated in 2023 than in 2022, thus requiring more trips to pump leachate from the tank. Table B summarizes the monthly generation rates for leachate/condensate. Leachate production was relatively stable through the early months of 2023, peaked in April and May, and then reduced for the remainder of the year. Decrease in volume of leachate removed is observed due to decreased precipitation in 2023.

Table B
2023 Monthly Condensate/Leachate Generation Rates

Reporting Month	Monthly Total (gallons)	Average (gallons/day)
January	11,991	387
February	7,399	264
March	15,894	513
April	30,459	1,015
May	42,870	1,382
June	18,842	628
July	0	17
August	0	114
September	10,682	356
October	14,610	471
November	13,923	464
December	13,365	431

Table C presents the total leachate/condensate discharged from the landfill, the average monthly discharge of the leachate/condensate, average monthly discharge of leachate, and the approximate total volume of leachate discharged for separate time periods. Some time periods may include leachate discharge even for those months when the pumps were not operating. Since the installation of the leachate pumps in 2014/2015, there has been an overall increase in leachate/condensate volume generation.

Table C
Historical Annual Leachate/Condensate Discharge

	Leachate/Condensate		Leachate	
Time Period	**Total Annual Discharged (gal)**	**Average Monthly Discharge (gal)**	***Average Monthly Discharge (gal)**	***Total Discharge (gal)**
Dec. 1993-?	-	1,500-1,600	-	-
Apr. 1996-June 1997	6,900	460	0	0
Oct. 1997-Jan. 1999	62,065/58,738+	3,879/3,916	3,339/3,376	53,424/50,640 (40,512 gal./yr)
Mar. 1999-May 2000	89,241^	5,950	5,410	81,150 (64,920 gal./yr)
June 2000-Dec. 2001	203,151	10,692	10,152	192,888 (121,824 gal./yr)
2002	165,417	13,784	13,188	158,256
2003	143,400	11,950	11,444	137,332
2004	100,554	8,380	7,986	95,827
2005	50,236	4,186	3,825	45,895
2006	45,297	3,775	3,455	41,461
2007	121,923	10,160	9,840	118,076
2008	122,882	10,240	9,976	119,712
2009	54,022	4,502	4,263	51,156
2010	123,788	10,316	10,197	122,367
2011	47,690	3,974	1,176	14,112
2012	3,996	333	-	-
2013	8,049	670	-	-
2014	24,470	2,039	1,579	18,948
2015	54,491	4,540	3,870	46,440
2016	154,774	12,898	12,438	149,256
2017	179,958	14,997	14,537	174,444
2018	213,995	17,833	17,373	208,476
2019	221,398	18,450	17,990	215,880
2020	295,449	24,621	24,161	289,932
2021	187,385	15,615	15,155	181,860
2022	143,568	11,964	11,504	138,048
2023	180,035	15,003	14,543	174,516

Leachate extraction did not occur from April 1996 to early October 1997 because the leachate pumps at GEW-7 through GEW-10 were inoperative. February 1999 is not included in the data above due to the one-month shut down of four of the five pumps. September and October 1999 were not included in the data above due to pump removal and shutdown.

- \- No data is available
- \# Data from the Consent Decree
- * To subtract out condensate from the 2nd data column, start with 460 gal./mo. (540 gal./mo. before 2006)-based on April 1996 through June 1997 data-and adjust for the number of days the gas extraction system was in operation (x number of days in operation/365 days) as well as adjust for the change in the annual average gas-flow rate. The condensate production rate will be adjusted for the average change in gas-flow rate relative to Jan. through June 1997, which had an average gas-flow rate of 182.8 cfm. Data prior to 2002 has not been adjusted for the two adjustments discussed in this note.
- \+ The first figure (62,065 gal.) is the average leachate/condensate discharged from Oct. 1997 to Jan. 1999. The second figure (58,738 gal.) is from Nov. 1997 to Jan. 1999.
- ^ This figure does not include data from 11/5/99 to 9/13/99 because of poor leachate discharge associated with pump removal from GEW-7 and 10.

3.2.2.2 Chemical Characteristics of Leachate/Condensate

A leachate/condensate sample was collected in June 2023 and analyzed for VOCs, semi volatile organic compounds (SVOCs), metals, and general chemistry parameters in addition to field temperature and conductivity measurements. The receiving wastewater treatment facility also analyzes the leachate for pH, biological oxygen demand (BOD), and total suspended solids.

The laboratory analytical report for the leachate/condensate sample collected in June 2023 is provided in Appendix B and summarized in Table 3.a and 3.b. These tables have been revised to include detected parameters for 2019-2023. The revisions included adding tetrahydrofuran and methyl ethyl ketone (MEK), increasing the total detected VOCs. VOC results can only be compared between 2019-2023 as analyses prior to 2019 do not include tetrahydrofuran or methyl ethyl ketone (MEK). The general chemistry parameter results are within historical range. The total detected VOCs decreased by 82% and total detected SVOCs have decreased by 95% compared to the 2022 annual sampling results. The 2023 analytical results show total detected leachate/condensate VOC concentration was 407.86 µg/L and total detected SVOC concentrations were 1.3 ug/L. The three main compounds contributing to the VOC concentration include tetrahydrofuran, toluene, and total xylenes. Total xylenes have been commonly detected in historical leachate/condensate samples. No trichloroethene or tetrachloroethylene were detected in the June 2023 leachate/condensate sample.

3.2.2.3 VOCs in Extracted Leachate

Table D presents the annual mass of leachate/condensate discharged and the VOCs removed from the landfill in the form of leachate/condensate. The primary component of leachate/condensate is water. It can be assumed that the compounds dissolved in the leachate/condensate do not significantly alter the leachate density; therefore, the water equivalency of one kilogram per liter can be used to convert from volume (gallons) to mass (kilograms).

The VOC removal is based on the VOC analysis of contents taken from the leachate/condensate collection tank. Only VOCs with detections at or greater than the laboratory detection limits are considered in the calculations. A table of mass removed of individual VOCs was not included because of the low concentration of VOCs involved. Relative to VOC mass removed through LFG, the VOC mass removed through leachate/condensate is negligible. Condensate is included in the calculation because the leachate sample is collected from the leachate/condensate tank.

The total VOC concentration in the 2023 annual leachate/condensate sample is 407.86 µg/L. With a total volume of 180,035 gallons of

leachate/condensate removed from the landfill, the mass of VOC removal is approximately 277.96 grams.

As mentioned in section 3.2.2.2, compounds have been added to the laboratory analysis method EPA 8260B for VOCs which is used to analyze the leachate/condensate sample. The total annual average VOCs concentration and VOCs mass removed has been revised for 2019-2023 in Table D.

Table D
Annual Leachate/Condensate and VOCs Mass Removal

Year	Total Annual Leachate-Condensate Volume (gal)	*Total Annual Leachate-Condensate Mass (kg)	Total Annual Average VOCs Concentration (ug/L)	*VOCs Mass Removed (g)
April 1996 - June 1997	53,928	204,139	945	192.91
Oct. 1997 - Jan. 1999	61,716	233,620	489	114.24
Mar. 1999 - May 2000	85,693	324,382	494	160.24
June 2000 - Dec. 2001	149,393	565,512	244	137.98
2002	165,417	626,170	2,124	1,329.98
2003	143,400	542,826	1,922	1,043.31
2004	100,554	380,637	46.5	17.70
2005	50,236	190,163	83.9	15.95
2006	45,297	171,467	16.7	2.86
2007	121,923	461,527	182.8	84.37
2008	122,882	465,158	30.1	14.00
2009	54,022	204,495	54.0	11.04
2010	123,788	468,587	112.8	52.86
2011	47,690	180,526	2.7	0.49
2012	3,996	15,126	27	0.41
2013	8,049	30,469	21	0.64
2014	24,470	92,629	3.24	0.30
2015	54,491	206,270	1147.7	236.74
2016	154,774	585,881	497.03	291.20
2017	179,958	681,213	822.94	560.60
2018	213,995	810,057	11.38	9.22
2019	221,398	838,080	4,593.15	3,849.43
2020	295,449	1,118,393	1,494.60	1,671.55
2021	187,385	709,327	1,039.10	737.06
2022	143,568	543,462	2,234.2	1,214
2023	180,035	681,504	407.86	277.96

The conversion factor for gallons to kilograms is 3.7854 kg/gal.
Equation for leachate/condensate volume to VOCs mass removed is (gallons * 3.7854 liters per gallon * VOC concentration µg/liter) / 1,000,000.
For 2007 and after, the volume is derived from the truck after pumping the leachate tank. Prior to 2007, the volume of leachate/condensate removed was the average of the totals derived from measurements at the tank for the "Volume Accumulated Since Last Measurement" and "Volume Removed from Tank" columns of Table 2. *Values have been adjusted throughout table.

3.2.3 Leachate Recovery System Maintenance

The leachate assist blower was replaced in 2021 with a 2Hp Gast R5125-2 regenerative single-phase blower. Leachate pumps were pulled and cleaned in 2022. The life expectancy of the leachate pumps is approximately 5-10 years and may require replacement in the near future. Leachate level monitoring will continue in 2024 to assure leachate levels do not significantly increase as the leachate blower's efficiency decreases.

3.3 Landfill Gas

LFG is removed through an active gas extraction system consisting of 19 gas extraction wells (GEWs) and is vented from the 7.5 Hp electrically-powered blower through the non-operating gas flare. To operate a self-sustaining gas flare, the target methane concentrations extracted from landfill exterior gas wells must be in the range of 25 - 35% methane with less than 3% oxygen while the goal for interior wells is 35 - 55% methane with less than 1% oxygen. Extracted methane concentrations at the blower have been consistent, averaging 17.8 % methane throughout 2023; therefore, operating a self-sustaining flare has not been possible due to the lack of concentrated flammable gas.

Exhausting the untreated LFG was approved by WDNR after the LFG composition was established and after the total concentration and discharge mass of LFGs had been reported to WDNR.

3.3.1 Gas Blower

3.3.1.1 Gas Blower, Methane, and Carbon Dioxide Monitoring

Using the LANDTEC GEM 5000, weekly LFG concentration and pressure readings are collected at the sample valve located after the blower. The total gas flow in cubic feet per minute (cfm) is measured and recorded by the LANDTEC GEM 5000 using a differential pressure pitot tube fixed in the discharge pipe leading to the flare stack.

The weekly monitoring data are presented in Table 4. The data are used to compute the volume of methane extracted from the landfill each month. The volume of methane (annual total = 10,322,793.94 cubic feet) and non-methane (annual total= 43,386,835.97 cubic feet) gas extracted are reported in Tables 5.a and 5.b. Extracted non-methane volume was lower in 2023 than in previous years due to the increased leachate production from seasonal runoff which caused the blower to automatically shut down several times during late spring and early summer.

Table E summarizes the concentration ranges of methane, carbon dioxide, oxygen, gas flow, and the volume of extracted methane for each month of 2023. While operating, the 2023 monthly volume of extracted methane ranged from 412,933 to 1,765,808 cubic feet, methane concentrations ranged between 6.8% and 32% and the average

gas flow through the blower system was 140 cfm.

Elevated oxygen concentrations at the blower are generally due to equipment leaks at the individual gas extraction wells due to component or seal failure or inadvertent times when the extraction system is left open to the atmosphere. Oxygen was detected above 5% at the blower in February, April, and December. This was due to the automatic shut off feature of the blower which was initiated because of the amount of leachate in the holding tank. After the leachate tank was pumped, the blower was restarted, and oxygen concentrations generally dropped below 2%. Oxygen concentrations are not as crucial, given the LFG is not being flared, but they are monitored to evaluate system efficiency.

Table E
Monthly Blower LFG Concentrations and Volume Extracted

Reporting Month 2023	Landfill Gas at Blower				
	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Average Measured Gas Flow (cfm)	Volume of Extracted Methane (million cubic feet)
January	13.3-16.6	22.4-24.3	1.4-2.0	445.3	1.060
February	0-6.8	0.1-10.1	12.5-21.5	-	-
March	30.6-32.0	27.0-29.7	0.5-1.4	131	0.413
April	0-22.2	0.3-23.8	2.6-21.1	180	1.002
May	16.2-29.5	24.0-27.7	1.5-2.1	169	1.766
June	15.8-17.6	19.9-25.3	1.0-6.5	176	1.166
July	13.7-14.6	23.4-24.0	1.3-1.5	164	0.937
August	11.6-21.8	22.0-26.2	0.6-1.9	72	0.524
September	17.1-30.1	25.2-28.6	0.4-4.8	160	1.053
October	17.6-26.8	25.5-29.9	0.3-1.1	112	0.899
November	16.4-17.6	23.4-24.2	2.9-3.1	157	0.812
December	14.2-16.1	22.2-26.1	2.5-5.9	112	0.691

Table F summarizes the annual average methane concentration, average gas flow, average monthly extracted methane and change in average monthly extracted methane compared to the previous year. The average monthly extracted methane volume includes those data points collected during gas blower shut down at various times during the year. Operations in 2023 showed an approximately 1.7% decrease in average monthly extracted methane compared to 2022. LFG extraction is documented in Table 5.a. and 5.b.

Table F
Annual Average Methane Extraction from Landfill

Time Periods	Average Methane Concentration (%)	Average Gas Flow Reading (cfm)	*Average Monthly Extracted Methane (cubic feet)	Change in Average Monthly Extracted Methane (%)
April '96-June '97	46.9	183	3,675,869	-
January '98- February '99	37.6	248	3,924,555	6.7
March '99-May 2000	31.0	232	3,207,970	-18.3
June 2000-December 2000	29.3	226	2,967,966	-7.5
January-December 2001	-	-	2,685,504	-9.5
January-December 2002	29.9	222	2,597,148	-3.3
January-December 2003	30.4	188.2	2,259,468	-13.0
January-December 2004	30.2	155.2	1,962,732	-13.1
January-December 2005	26.8	140.4	1,666,548	-15.1
January-December 2006	29.0	111.3	1,600,764	-3.9
January-December 2007	30.1	162.1	1,726,488	7.9
January-December 2008	36.6	124.0	1,914,540	10.9
January-December 2009	32.4	92.1	1,114,428	-41.8
January-December 2010	33.4	72.1	904,236	-18.9
January-December 2011	33.8	91.8	1,285,692	42.2
January-December 2012	25.9	118.8	928,403	-27.8
January-December 2013	25.4	138	1,469,765	58.3
January-December 2014	16.5	225	1,575,859	7.2
January-December 2015	11.7	320	1,705,107	7.6
January-December 2016	15.1	300	1,812,016	5.9
*January-December 2017	9.2	255	1,016,722	-43.9
**January-December 2018	15.9	221.4	1,480,632	45.6
January-December 2019	16.9	391.6	2,408,099	65.7
January-December 2020	13.2	207.3	1,056,375	-56.1
January-December 2021	9.9	230.6	640,348	-39.4
January-December 2022	11.6	213	875,853	36.8
January-December 2023	17.9	140	860,232	-1.7

*Weekly gas flow measurements taken during months January through March of 2017 are based on the 2017 April-December average gas flow
**Weekly gas flow measurements are based on average gas flow in 2018, average gas flow substitutions are noted in Table 5.a. and 5.b.
(-) No data is available

Table G summarizes the annual mass removal of methane and carbon dioxide. Based on oxygen measurements in LFG, gas extraction contains a minor fraction of atmospheric carbon dioxide; therefore, it is considered negligible in the mass calculations. The total methane volume is presented in Table 5.a. and total carbon dioxide is calculated from data in Table 4. Mass is calculated assuming a molecular weight of 16.04 grams per mole for methane and a molecular weight of 44.01 grams per mole for carbon dioxide. There was a decrease in mass removed from the landfill for 2023 compared to 2022. The methane mass removed decreased approximately 2% and carbon dioxide decreased 25%. The system down time for gas extraction was approximately 28 days in 2023 versus 7 days in 2022.

Table G
Annual Mass Extraction of Methane and Carbon Dioxide

Year	Methane Volume Removed (cubic feet)	Carbon Dioxide Volume Removed (cubic feet)	Methane Mass Removed (kg)	Carbon Dioxide Mass Removed (kg)
1998	48,489,700	39,679,800	913	2,055
1999	39,843,288	34,983,883	750	1,812
2000	35,615,592	33,010,594	671	1,710
2001	34,892,640	33,083,234	657	1,714
2002	34,595,136	33,186,384	652	1,719
2003	28,155,168	27,760,176	530	1,438
*2003	27,113,616	26,758,302	511	1,386
2004	23,552,784	19,772,496	444	1,024
2005	19,998,576	19,598,832	377	1,015
2006	19,209,168	15,503,076	362	803
2007	20,717,856	17,715,629	390	918
2008	22,974,480	16,051,824	433	831
2009	13,373,136	11,352,312	252	588
2010	10,850,832	7,813,152	204	405
2011	15,428,304	11,202,912	291	580
2012	8,355,623	9,276,756	157	480
2013	11,758,118	11,448,972	221	593
2014	18,910,307	25,099,512	355	1,300
2015	20,461,288	35,868,184	385	1,858
2016	21,744,192	32,120,659	410	1,664
**2017	12,200,668	25,973,953	230	1,345
2018	17,767,578	25,802,492	334	1,337
2019	28,897,193	38,409,145	546	1,990
2020	12,676,50	20,112,059	239	1,042
2021	7,684,185	14,789,749	145	766
2022	10,510,236	18,513,395	199	959
2023	10,322,794	13,869,435	195	719

Mass Removed = Gas Volume ($ft.^3$) x Molecular Weight (g/mole) x 0.0283 ($m^3/ft.^3$) x 10^{-3} (kg/g) / 24.04 (m^3/mole)

* Values adjusted for system down times. The same percent difference for methane is applied to carbon dioxide. System downtimes are accommodated for 2004 and after.

** The 2017 average gas flow was used in the calculation for the months January-March in 2017

3.3.1.2 VOCs in Extracted Landfill Gas

An annual gas sample is collected at the sample valve in the discharge pipe located after the blower. The sample is analyzed for VOCs using the Environmental Protection Agency (EPA) Method TO-15 and evaluated with respect to WAC, NR 445. The LFG was sampled and analyzed on July 21, 2023. The analytical results are included in Appendix B and the data are summarized in Table 6.

Calculations for the annual mass of VOCs in extracted LFG are based on the VOC detections in the annual LFG sample. Only VOCs with detections at or greater than the laboratory detection limits are considered in the calculations. According to the 2023 annual LFG sample results, the mass of VOCs in extracted LFG was 0.11 grams per cubic meter. The approximate total annual volume of gas extracted in 2023 was 2,528,661.60 cubic meters. The approximate total mass of VOCs emitted in 2023 was 267,532.40 grams or 589.81 pounds. The approximate total VOC emission per hour in 2023 was 0.07 pounds. This remains below the maximum total VOC emissions, per WAC NR 445.07 Table A column d.

The 2023 total mass of VOCs in extracted LFG increased 2% compared to 2022. Emissions have likely increased due to the slight increase in total VOCs detected in the LFG sample collected in 2023, compared to that collected in previous years (105,800 ug/m^3 vs. 96,170 ug/m^3 in 2022).

3.3.1.3 Gas Blower Maintenance

In 2013, the landfill blower was replaced with a similar unit and a variable frequency drive control system was installed. This system provides a much more controlled LFG extraction process, limiting the power consumption needs and operating loads on the equipment, and improving the operating efficiency, as evidenced by significant energy reduction and operational cost savings.

The LFG blower operated smoothly from 2013 through 2016 except for two weeks in February 2015 due to freezing condensate in the recovery lines. The electric heat tapes were later replaced, and insulating blankets were placed on exposed equipment and piping which improved overall operations.

In March of 2017, the blower motor system shut down multiple times even after it was manually restarted. This was due to the blower motor loads ramping up too quickly resulting in thermal overload error. The VFD program was reset by adjusting the acceleration and deceleration times. The system continued to run efficiently until early December when the blower motor shut down due to sub-zero temperatures and failure of the old insultation blankets used to protect the LFG piping. The blower motor was heated with a large portable industrial heater and the piping was reinsulated.

In February 2018, the heater in the maintenance building malfunctioned and was replaced with a new heater by MRS, Inc. Shortly after starting the heater in October 2019, it failed and needed replacement. A permanent baseboard heater was installed inside the maintenance building on November 20, 2019.

The blower shut down due to sub-zero temperatures in January and

December 2019 and required a manual restart. After both shutdowns, an industrial heater was required to warm up the blower. Blower settings were reprogrammed to lower the required ramp up time for the weather conditions.

In September of 2019, noticeable vibration and high pitched noises were observed coming from the blower. It was recommended to replace the pillow block bearings which was completed by Integrated Power Services (IPS). The parts were supplied by Pearson-Arnold Industrial Services and made by New York Blower in Effingham, IL. Recommendations for further repairs include replacement of the coupling insert and motor bearings which was completed in early 2020.

At the end of January 2020, the blower had to be turned off as the pillow block bearings initially replaced in November of 2019 had failed. On March 19th, a second new set of pillow block bearings were installed.

In 2021, an Omni Beacon telemetry system was installed which sends real time blower system notifications to users indicating the status of the blower. Discharge piping insulation was also replaced in 2021.

In April 2023, the motor coupling was replaced by MRS, Inc. No additional gas blower maintenance was completed in 2023.

3.3.2 Landfill Gas Flare Operations

Operation of the LFG flare was suspended in 2011 due to operational issues with flare controls, lower than ignitable methane concentration in extracted gas, the age and condition of the flare and associated equipment. In 2012, the raw LFG analysis was examined and a calculation of maximum emissions using onsite equipment determined that the various LFG components had been decreased to levels well below their respective air emission limits. Permission from the WDNR was requested and obtained to cease the requirement for LFG flaring based on the declining methane and other LFG components. Weekly methane monitoring and annual LFG sampling continues and is evaluated to determine the need to reinstitute flaring or other additional treatment.

For efficient flaring, methane concentrations at the igniter need to be consistent and above 35%. Methane concentrations (Table 4) over the last several years have been measured well below 35% even when attempting to enhance the gas by shutting down less productive gas extraction wells. Thus, operating the flare is not technically feasible without the addition of other energy sources (liquid propane or natural gas, for example).

3.3.2.1 Landfill Gas Flare Maintenance

The LFG flare system has not been in operation and is deteriorating. It is recommended that the flare system be removed in the future. The flare panel was removed in 2021.

3.3.3 Gas Extraction Wells

3.3.3.1 Gas Extraction Well Operations

All gas extraction wells are monitored semi-annually and GEW-3, GEW-5 through GEW-12, and GEW-19 through GEW-21 are monitored monthly. The gas extraction well monitoring data is reported in Table 7. A summary of adjustments of all gas extraction well heads are recorded in Table 8.

The gas extraction wells are monitored for methane, carbon dioxide, oxygen, pressure, gas temperature and total flow using the LANDTEC GEM 5000 meter. To facilitate monitoring, condensate is drained from GEW-3, GEW-5 and GEW-6 as needed as these wellhead elevations are lower than the leachate collection line. Pooled condensate in the lines of GEW-3, GEW-5 and GEW-6 occasionally freezes during the winter season as the wellheads are not insulated, which reduces the gas extraction efficiency.

As the gas concentrations are no longer at levels feasible for LFG flaring, the methane concentrations at the well heads are evaluated to determine the need for gas extraction. The presence of oxygen in the LFG indicates system leaks and reduced LFG extraction.

The valve on each wellhead is adjusted to maximize methane withdrawal yet minimize the oxygen draw into the landfill. If off-site gas probes have methane detections, perimeter wells are adjusted as needed to minimize off-site migration of LFG. Where lower methane gas concentrations are observed, the gas extraction well valves are closed, and the opposite is true for wells with higher observed methane concentrations.

Using this approach, and based on observed concentrations since 2012, gas extraction wells GEW-1 through GEW-4, GEW-6, GEW-12 through GEW-21 have been closed or set to a minimal withdrawal and have continued with these valve settings through 2023. These settings were altered temporarily if there was a buildup of gas due to an automatic shut off of the system.

Gas extraction wells GEW-5, and GEW-7 through GEW-11 continue to have higher methane generation rates in 2023; therefore, these valves have been kept mostly open throughout 2023.

Historically, low methane volume is generated in the northwestern portion of the landfill while more methane is generated starting from the center portion of the waste mass to the south and southeast. The same has been generally observed in 2023.

3.3.3.2 Gas Extraction Well Maintenance

Typical maintenance performed on the gas/leachate recovery wells in 2023 included checking all gas extraction wells for air leaks by fastening or sealing joints, repairing broken hinges and resetting the steel protective boxes, and removing overgrown vegetation from around the GEWs. It is important to protect the GEWs to allow easy monitoring of the system.

3.3.4 Gas Monitoring Wells

3.3.4.1 Gas Monitoring Well Operations

Active gas extraction mitigates the migration and concentration of LFG which can concentrate in pockets and potentially become an explosion hazard. To assess this hazard, 22 permanent gas monitoring points consisting of 19 GMWs and 3 groundwater monitoring wells were installed and have been monitored to assess gas migration. Gases measured at these points include methane, carbon dioxide, and oxygen on a quarterly basis and are recorded in Table 9. Gas monitoring and data recording is done by using the LANDTEC GEM 5000 LFG meter. The data is recorded in the gas meter once gas concentrations stabilize after 60 seconds.

The 22 permanent GMWs are located outside the limits of filling but within 200 feet of the landfill property boundary. There are 12 off-site GMWs located within the landfill property boundary. These include GMW-5S, 5M and 5D, GMW-6S, 6M and 6D, GMW-7, GMW-8S, 8M and 8D, GMW-9, and GMW-10. GMW-6S, 6M, 6D, and 8S are monitored monthly as these vents are considered most sensitive to off-site methane migration and the remainder are monitored quarterly.

According to the performance of the work section of the Consent Decree, the off-site GMWs must comply with the NR 504.04 (4)(e) Wis. Adm. Code. This code requires methane explosive limits in the soils outside the limits of filling within 200 feet of the landfill property boundary to not exceed 25% of the lower explosive limit (LEL) of methane (5.0%) or remain less than 1.25% methane by total volume. This regulation does not apply to any landfill structures such as the gas control or recovery system components. If methane exceeds 25% of the LEL, or 1.25% methane, additional remedial action will be taken to prevent migration of LFG including pumping leachate from all areas within the landfill where leachate depths exceed 2 feet, if WDNR determines that this measure is necessary.

If methane is detected above the methane LEL in any of the off-site GMWs, then additional monitoring is completed (per WAC, NR 507.22 (1)), the WDNR is notified through quarterly reports, data is reported and uploaded to the GEMs database, and all necessary steps are taken to

protect public health. Additional monitoring is completed at GMW-5S, 5M, 5D, 8M and 8D as these vent locations were noted in the past to be second-most sensitive to off-site methane migration. Follow-up was completed for those GMWs that exceeded the LEL.

Possible contributing factors for exceeding methane concentrations include the blower down periods and deep frost conditions reducing proper gas ventilation of the GEWs.

3.3.4.2 Gas Monitoring Well Maintenance

No gas monitoring well maintenance was completed in 2023. There is no anticipated maintenance for 2024.

3.3.5 Residential Methane/LEL Detectors

Four residences near the landfill (888, 890, and 898 East Highway 12 and 902 Alexander Road) are equipped with methane meters to monitor potential LFG intrusion. Given the landfill's overall compliance regarding gas migration, these meters are not monitored by Cedar Corporation; however, monitoring will resume if stabilized methane concentrations become detectable above the LEL of methane at the off-site GMWs. The residents now check their own meter and are responsible for reporting results and equipment problems to Cedar Corporation. No reports have been received to date.

3.4 Groundwater Monitoring Wells

3.4.1 Groundwater Monitoring Well Operations

Before well purging and sampling, water level measurements are collected using an electronic depth to water meter to the nearest 0.01 foot. The values are recorded and are summarized in Table 10. Local groundwater flow direction is calculated on an annual basis and the most recent groundwater elevations have been compared to previous data; little to no change has occurred. The groundwater elevation contour map provided in Figure 2 has been updated to reflect the groundwater elevations measured in 2023. Groundwater flow has been historically observed to be westerly in the vicinity of the landfill. With the addition of several new monitoring wells down and/or side-gradient of the landfill in 2021, a more detailed groundwater flow map was able to be generated. Groundwater is still observed to be flowing primarily to the west, with a slight northwest flow along the northern edge of the SWCDA (see Figure 2). Vertical hydraulic gradient calculations completed for monitoring well nests within the Junker Landfill monitoring well network indicate vertical hydraulic gradients of groundwater flow to be downward in the vicinity of the landfill (MW-9/MW-10 well nest). A slight upward vertical gradient was observed in the MW-15 monitoring well nest directly downgradient of the landfill, near the western edge of the SWCDA.

Collection of samples from the groundwater monitoring wells is completed by purging each well with a dedicated bailer, then collecting a sample with the bailer from which the laboratory sample is collected. Annual groundwater monitoring is

performed at wells MW-3, MW-4, MW-6 through MW-15A, MW-15C, MW-16 and MW-16B, MW-17A and MW-17B, and MW-18A and MW-18B. MW-15B is sampled biennially and was sampled in 2023.

Groundwater samples were collected from the monitoring wells listed above from June 6-7, 2023. Water chemistry parameters of temperature, conductivity and pH are measured in the field and samples for laboratory analyses of general chemistry and VOC collected. Where required per WDNR sampling protocols for hardness and metals, in-field filtering of raw water is performed prior to sample collection. Samples collected from MW-3 and MW-13 are analyzed annually for SVOCS on an alternating basis (MW-13 was analyzed for SVOCs in 2023) as MW-3 was dry.

3.4.2 Groundwater Monitoring Well Monitoring

Groundwater samples were submitted to Eurofins TestAmerica Laboratories, Inc., University Park, IL (WDNR # 999580010). Field notes and laboratory analytical reports are presented in Appendix B.

Table H
2023 Groundwater Exceedances

MONITORING WELL	TCE (ppb)	PCE (ppb)
MW-3	-	-
MW-4	*1.0*	-
MW-6	0.40	-
MW-7	*0.99*	-
MW-8	-	-
MW-9	*1.2*	-
MW-10	*2.6*	1.0
MW-11	*1.1*	-
MW-12	-	-
MW-13	**6.2**	-
MW-14	0.40	-
MW-15A	*1.0*	-
MW-15B	*1.2*	-
MW-15C	*1.3*	-
MW-16	-	-
MW-16B	0.19	-
MW-17A	-	-
MW-17B	-	-
MW-18A	0.35	-
MW-18B	*1.3*	-

Values in bold typeface exceed the respective ES
All other values exceed their respective PAL

Since the initial round of groundwater samples were collected at the site in 2012, TCE concentrations have decreased in MW-3, MW-4, MW-6, MW-7, MW-9, and MW-14. TCE concentrations have increased in MW-11, and MW-15C. Monitoring wells with no historical TCE detections include MW-8, MW-12, MW-16, and MW-16B. MW-10, MW-13, MW-15A, and MW-15B TCE concentrations remain relatively consistent.

Methylene Chloride was detected above the PAL and/or ES in several wells in 2023. Methylene Chloride has been sporadically detected in groundwater monitoring well samples collected at the site historically but is largely considered a lab contaminant and not considered an impact related to the landfill. All other compound levels are within historical range and are summarized in Table 11.

3.4.3 Groundwater Monitoring Well Maintenance

Construction and sampling of an additional five monitoring wells downgradient of the landfill was completed in 2021 to further characterize groundwater flow and contaminant transport in the vicinity of the landfill (MW-16B, MW-17A, MW-17B, MW-18A, and MW-18B). No additional monitoring wells have been installed at the site since 2021.

3.5 Off-Site Private Water Supply Wells

3.5.1 Private Water Supply Well Operations

Private water supply wells within the Junker Landfill portion of the SWCDA must comply to the requirements of NR 812.10(5), NR 812.12(3) and NR 812.12(5) Wis. Adm. Code, which requires the well to be drilled to depth requirements established by the WDNR or install a POE GAC filter system. Unless the well owner declines compliance, the process of installing a new well has been completed by the process described below:

1. Cedar Corporation is notified by the WDNR when a new well is approved for construction within the Junker portion of the SWCDA.

2. After the well, power, and plumbing are installed, the well driller collects a water sample and sends the sample to a certified laboratory for VOC analysis. The well driller provides the analytical results to the property owner(s), WDNR, and Cedar Corporation.

3. POE GAC filter installation and sampling schedule is determined based on the initial water sample analytical results. If the analytical results report no detected VOCs, the well is scheduled for annual sampling; if VOCs are detected at or above the ES the following steps apply:

4. Until the POE GAC filter systems are installed, the residences receive bottled water if occupied and requested.

5. The owner is provided and signs agreements for POE GAC filter installation, GAC filter change-outs and post GAC change-out sampling.

6. The forms are sent to the WDNR for review and POE GAC filter installation approval.

7. Once approved, Culligan is notified and schedules the POE GAC filter installation.

8. After installation, the well water and filtered water are sampled to confirm the contaminant levels in groundwater and to ensure the drinking water is effectively treated.

9. The homeowner is notified, as is WDNR, of the analytical results.

10. To determine the GAC filter change-out schedule, the homeowner is contacted after one year of operation to calculate annual water volume usage.

Starting in 1997, POE GAC filter systems were installed for most of the private water supply wells within the SWCDA. After POE GAC filters are installed in a home, the filter change-out schedules have been determined, based on raw water sample analytical results and estimated annual water volume usage. The WDNR and Cedar Corporation concur on the appropriate treatment device to install based on this information as well. Once determined, Culligan was contacted and completed the POE GAC filter installation. As the treatment device is sensitive to the volume of water used, Cedar Corporation has monitored water volume usage for each household. The water meter reading is recorded by Culligan and reported to Cedar Corporation. Information has been documented and calculated in Table 12 to monitor and determine the GAC filter change-out frequency. Frequency ranges from semi-annually, annually, to once every two years.

For houses with POE GAC already installed, GAC filter change-outs and private water supply water sampling have completed by following the steps listed below:

1. When GAC filter changes were due, Culligan notified the consumer (typically the well owner) in writing to contact them to schedule a filter change-out. This request may or may not be accepted by the consumer. If not, Culligan would attempt to re-notify the consumer, though not continually.

2. If the consumer contacted Culligan, a filter change was scheduled.

3. Culligan notified Cedar Corporation of the change-out (usually by noting the consumer address on a monthly invoice reviewed by Cedar Corporation).

4. Cedar Corporation mailed a letter to the consumer requesting property access to collect a water sample(s).

5. If the consumer contacted Cedar Corporation in response to the post filter change-out sampling letter, based on previous TCE concentrations, influent and/or effluent samples were collected and analyzed.

6. If the consumer did not respond to the request to sample, then there is no follow-up sample for that filter change-out.

7. If samples were collected, the analysis is reported to the consumer. VOC laboratory analytical reports and private water supply well analysis letters are included in Appendix C.

GAC filter change-out schedules are specific to each private water supply location. The schedule is based upon water usage and VOC concentrations in the groundwater specific to each household and private water supply well. Some residential locations require GAC filter change-outs semiannually which in return require more frequent sampling, up to twice per year. In 2019, the post GAC filter change-out sampling protocol had been modified per the WDNR. If the GACs have been changed-out according to the location-specific schedule, TCE and PCE compounds are filtered out as expected. WDNR also revised the sampling requirements, as follows: if current TCE concentrations are less than 2 ug/L, a sample is collected from the influent and for every third GAC filter change-out both an influent and effluent sample is collected; if current TCE concentrations are equal to or greater than 2 ug/L, influent and effluent samples are collected. Residential drinking water sampling has continued as described above through September 30, 2023.

An effort was made in August 2020 to contact private water supply owners in the SWCDA in the attempt to notify the residents of the ongoing sampling requirements to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. Letters were sent to private water supply owners that had not responded to previous sampling requests. Forty-two letters were sent out to private water supply owners. Cedar Corporation received several responses to the letters throughout the year and in return collected more than the average amount of samples in 2020.

In November 2020 and January 2021, 34 letters were sent out to residents located outside the SWCDA requesting to sample the private water supply. The request for sampling letters were sent out to residents generally located north of the Junker Landfill SWCDA, along Scott Road, Packer Drive, Todd Lane, Starlight Avenue, Tanney Lane, and Labarge Road and to some residents south of the Junker Landfill SWCDA along Trail 12, Gavin Pass, and Young Road.

In 2021, the SWCDA boundary for the Junker Landfill, Nor Lake Facility, and Town of Warren TCE site was modified by WDNR, using private well analytical sampling results collected since the SWCDA was initially put in place in the early 1990s. A letter was sent to residences which were no longer located within the SWCDA indicating that GAC filter systems at these residences is no longer necessary and the LRT would no longer be responsible for the maintenance of the GAC filter systems. Property owners were provided the option of maintaining the GAC filter systems on their own. These residences are no longer sampled on a

regular basis. In addition, several residents were contacted indicating that, though their homes are located within the SWCDA, historic sampling of those wells indicated that GAC filter systems were no longer necessary, and the LRT would no longer be responsible for maintenance of the GAC systems or regular water sampling. A total of 72 POE GAC filter systems were determined unnecessary by the end of 2021.

Funding from the LRT has been historically used to manage the landfill, complete GAC filter change-outs and residential sampling. Residents with private wells in the St. Croix SWCDA were invited to the Information Meeting Regarding Special Well Casing Depth Area in the Towns of Hudson and Warren held on March 8, 2023 at Hudson High School. The DNR informed residents the responsible party funding for the Junkers Landfill portion of the SWCDA (under the Junker Landfill Remediation Trust or LRT), established under the 1997 consent decree and used to install and maintain the GAC filtration systems, ceased at the end of 2022. Effective September 30, 2023, private well owners within the Junkers Landfill portion of the St. Croix SWCDA that have GAC filtration systems became financially responsible for maintaining their private systems and sampling.

There were 242 POE GAC filter systems in operation at the end of September 2023, one of which is outside the SWCDA (720 Norflex Dr.). A system includes two GAC units. The GAC filter systems consist of 227 JL-100 locations and 15 JL-300 locations.

Twenty-nine (29) private water supply wells within the modified SWCDA are without POE GAC filter systems and were scheduled to be sampled annually. The addresses of these wells can be found in Table 12.

3.5.2 Private Water Supply Well Monitoring

Variances were historically obtained from WDNR to install potable wells within the Junker Landfill SWCDA, on a case by case basis. WDNR generally has not approved variances in the SWCDA since 2021. In order to install a well within the Junker Landfill SWCDA, property owners were required to abide by SWCDA requirements.

Culligan performed approximately 123 filter change-outs prior to October 1, 2023. The total number of filter change-outs differ from the total number of private water supply wells sampled in 2023 because some residents do not respond to Cedar Corporation's request to complete sampling following the filter change-out. In addition, some private water supply wells are on different change-out schedules and may be changed up to twice per year. Several private water supply wells within the SWCDA do not have POE GACs installed and are scheduled for annual sampling. A summary of the analytical results for samples collected and analyzed in 2023 are provided in Table 12 and full analytical reports are presented electronically on the enclosed CD-ROM in Appendix D.

The 2023 water analyses for VOCs indicated TCE detects above the ES in the influent water samples at the following addresses:

* 884 Young Road (5.2 µg/L)

TCE was detected between the PAL and ES in the influent water samples at the following addresses:

*	Bakken Road	961, 962
*	Burch Circle	989
*	Coyote Lane	927
*	Dove Court	814, 816
*	Drover Trail	985
*	Florence Lane	910, 941, 949, 953, 963, 970
*	Fraser Lane	954, 959, 960, 965, 968, 972
*	E Highway 12	888
*	Hillside Trail	807, 826, 844, 848, 886, 890
*	Holden Lane	776, 790
*	LaBarge Road	932, 949, 953, 962, 979
*	McCutcheon Road	767
*	Pine Timber Lane	667, 668, 693
*	Pup Circle	941
*	Sadie's Lane	933, 940, 946
*	Yellowstone Trail	875
*	Young Road	894

Other VOCs detected in the effluent water samples collected in 2023 include tetrachloroethylene, toluene, trichloroethylene, acetone, chloroform, methylene chloride, and trichlorofluoromethane. Some of these detections were a result of lab contamination or the surrounding environment such as new construction. These compounds were detected at concentrations below their respective PALs and are not believed to be related to the Junker Landfill.

3. 6 Landfill Cap

3.6.1 Landfill Cap History

In 2013, a large depression had formed in the portion of the landfill cap adjacent to Alexander Road and was noted to be saturated all year round. This area was filled and the landfill cap was reshaped in this area to improve stormwater drainage off the cap. This improvement reduces the amount of moisture that can infiltrate the waste mass, further limiting the overall volume of leachate being generated. In addition, the north fence was replaced, and other areas of the fencing system were improved with chain link fencing.

Observed in 2016, continued landfill waste decomposition has resulted in uneven cap settling. These depressions were filled and restored over late summer and early fall 2016 (Figure 3).

During the summers of 2017 and 2020, the gravel roads and pathways accessing the landfill and the maintenance building washed out due to heavy rainfalls. These areas were refilled with dirt and gravel.

3.6.2 Landfill Cap Maintenance

Mowing of the landfill surface and the ditch on the southeast side of Alexander Road occurred in June 2023. The path leading up and over the cap has been overgrown with grass. Recommendations include laying a new gravel path over the old one.

Subsidence of the landfill cap continues to occur. These include areas on the northeast slope and the southeast corner which continue to be monitored.

5.0 Conclusions

The waste mass in the landfill continues to produce methane volumes within historical ranges, and leachate recovery and removal has increased over the years. Ongoing landfill maintenance and operations are important to maintain removal of the landfill byproducts.

Down gradient detections of VOCs in untreated groundwater have been reduced to less than ES concentrations through the remedial actions at the landfill (i.e.: gas recovery, leachate recovery and landfill capping). In 2023, the only sampled private water supply well with a detection of TCE greater than the ES in the influent was at 884 Young Road. Since the late 1990's, TCE concentrations in private water supply wells have significantly decreased due to the ongoing corrective actions, maintenance, and equipment improvements. Recent results show TCE concentrations have either remained steady or are slowly decreasing within the past three years.

At the end of September 2023, a total of 242 private water supply wells in the SWCDA continue to be provided Culligan GAC water treatment units by the LRT. Post-filter sampling and analytical results continue to show the effectiveness of the GACs by removing groundwater contaminants from the drinking water.

Cedar Corporation has continued to work cooperatively with the Trustee and WDNR to evaluate landfill conditions through 2023 as well as provide routine maintenance of the landfill on a weekly basis. The landfill remediation systems are complicated, interrelated, and require continued professional assessment, monitoring, maintenance, repairs, and upgrades. A summary of landfill and equipment repairs completed in 2023 is listed below.

1. Ongoing maintenance include mowing of the cap
2. Removal of woody vegetation
3. Marking of the monitoring points with highly visible paint (performed annually).
4. Additional maintenance/repairs as necessary

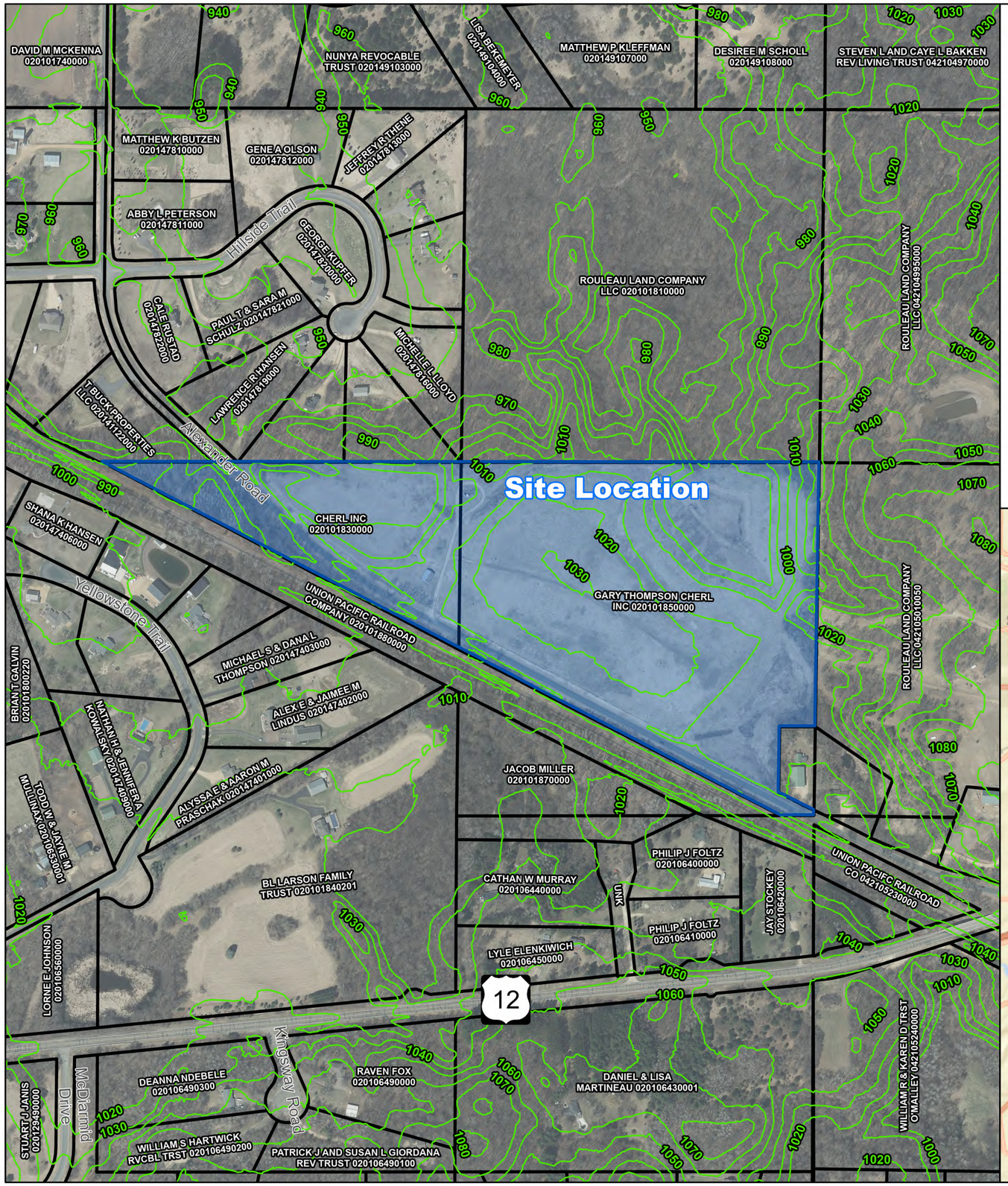
6.0 Standard of Care

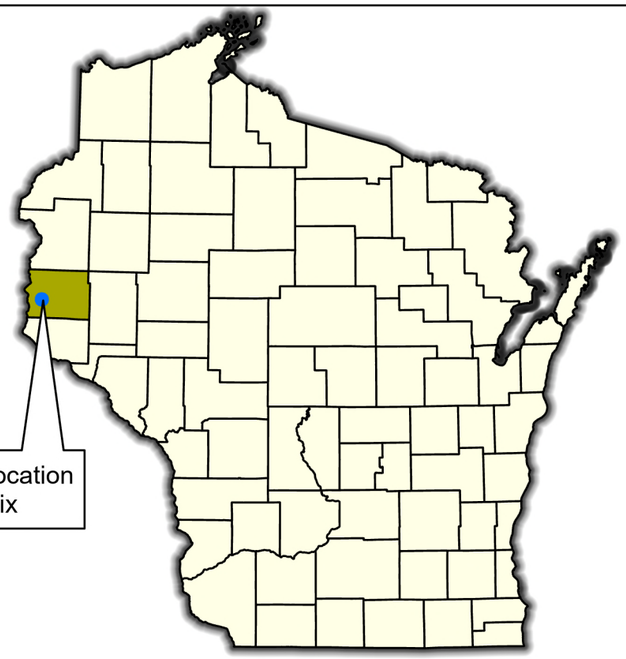
The information contained in this report was collected in accordance with generally accepted professional engineering practices at this time and location. No warranty is implied or intended.

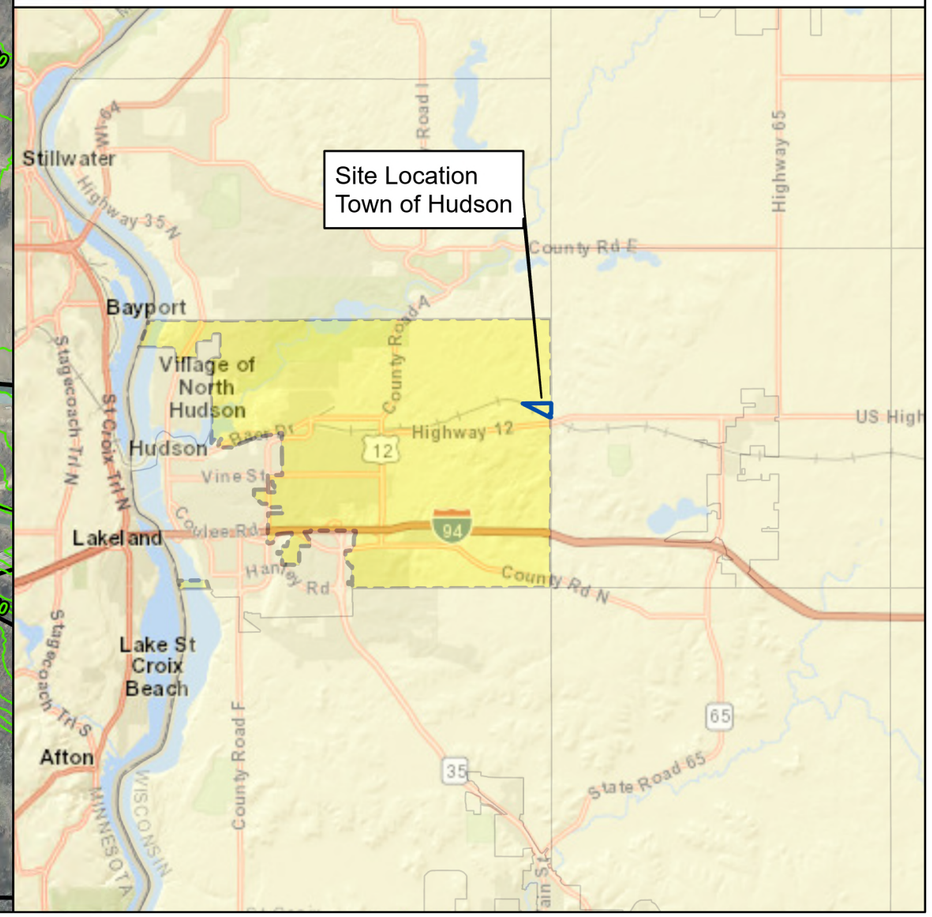
Figures

Figure 1 – Site Location Map

Figure 2 - 2023 General Groundwater Elevation Contours







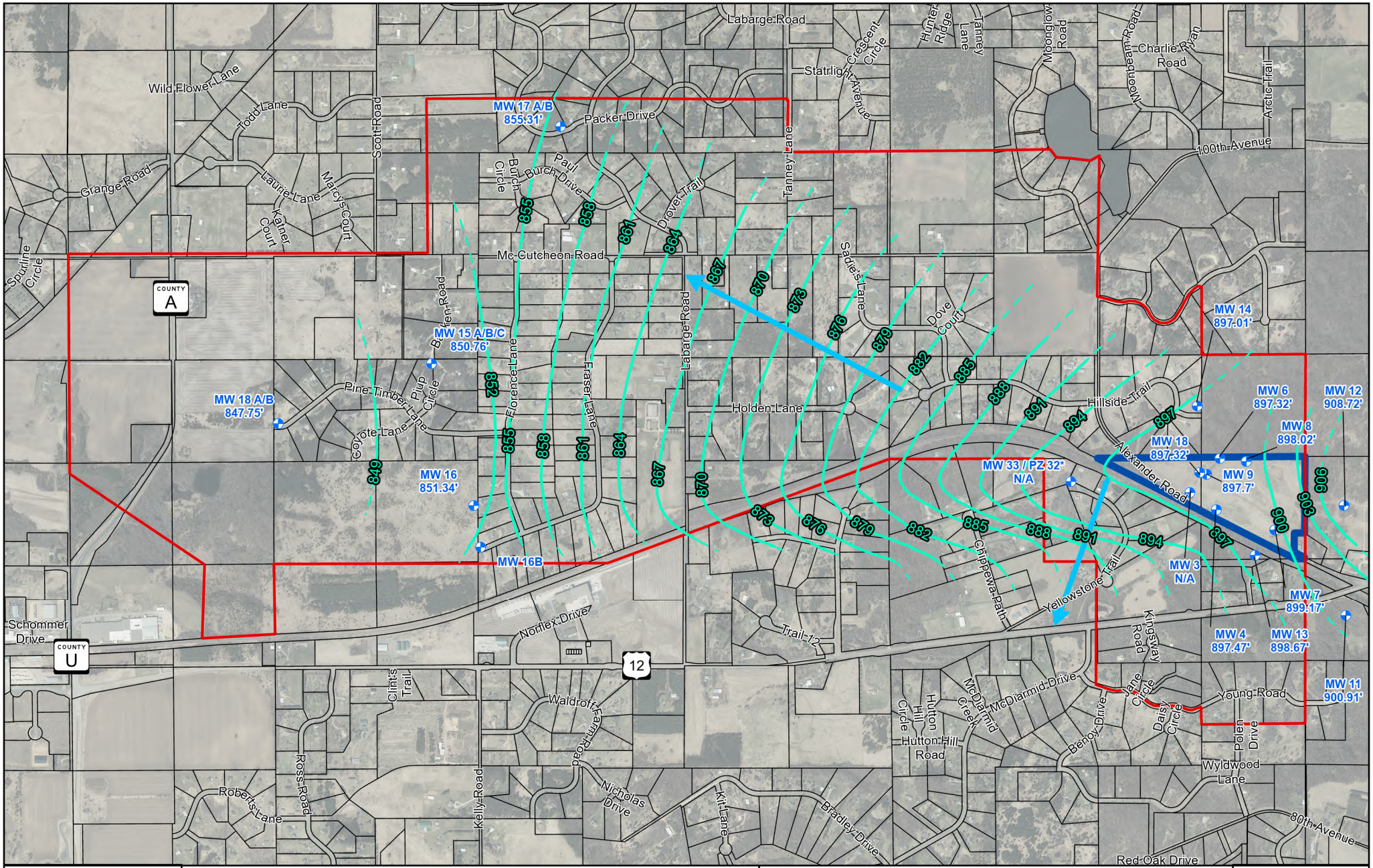
NORTH
W E
S

Cedar CORPORATION

Site Location Map
Junkers Landfill

ALEXANDER ROAD
TOWN OF HUDSON,
ST CROIX COUNTY, WISCONSIN

JOB NO.	L5115-010
DATE	3/19/2024
FIGURE	1



NORTH W E S

Junker Landfill Property

2023 General Ground Water Contours

Feet
0 500 1,000 2,000

The information on this map is from a computer database accessed using a Geographic Information System (GIS). Cedar Corporation cannot guarantee the accuracy of the information contained on this map. Each user of this map is responsible for determining its suitability for their intended use or purpose.

Legend

- Project Area
- SWCA Boundary
- Parcels
- Monitoring Wells
- 849.47' GW Elev. (ft. msl)
- Groundwater Contour
- Flow Direction
- Inferred

*MW 33 / PZ 32 is from Town of Warren TCE Site

JOB NO
L5115-010

DATE
3/22/2024

FIGURE
2

Tables

Table 1 - Leachate Head Monitoring

Table 2 - Weekly Leachate/Condensate Inventory

Table 3.a. - Summary of Leachate/Condensate Analytical Results

Table 3.b. - Summary of Leachate/Condensate SVOC Analytical Results

Table 4 - System Monitoring

Table 5.a - Extracted Methane Volumes

Table 5.b - Extracted Non-Methane Volumes

Table 6 – Extracted Gas Analytical Results

Table 7 - Gas Extraction Well Head Monitoring

Table 8 - Summary of Gas Extraction Well Adjustments

Table 9 - Gas Probe Monitoring

Table 10 - Groundwater Elevations

Table 11 - Summary of Groundwater Analytical Results

Table 12 - Summary of Private Well Analytical Results Within the SWCDA

TABLE 1

LEACHATE HEAD THICKNESS MONITORING

Junker Sanitary Landfill FID #656026800

DNR ID	101	102	103	104	110	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	717	718	719	720	721
DATE	LHW-1	LHW-2	LHW-3	LHW-4	LEW-1	GEW-1	GEW-2	GEW-3	GEW-4	GEW-5	GEW-6	GEW-7	GEW-8	GEW-9	GEW-10	GEW-11	GEW-12	GEW-13	GEW-14	GEW-15	GEW-17	GEW-18	GEW-19	GEW-20	GEW-21
1/10/2012	11.09	3.17	dry	4.45	19.34	2.16	0.25	5.63	0.5	0.62	1.3	14.54	13.32	7	7.51	9.06	2.21	1.61	0.34	0.34	0.37	0.38	2.22	2.4	26.59
2/17/2012					18.2							14.68	13.36	7.23	7.47										
3/23/2012	1.54	dry	dry	3.45	36.88	11.23	0.25	4.95	0.2	0.39	1.01	14.66	13.02	6.08	7.46	4.6	1.71	1.54	0.19	0.2	0.36	0.11	2.19	2.11	23.65
4/18/2012					33.28							17.11	11.77	dry	15.28									1.71	
5/29/2012					17.38							14.76	12.27	6.98	8.98										
6/25/2012	10.54	2.57	dry	1.35	11.68	2.02	dry	4.6	0.2	0.29	1.16	dry	12.47	6.48	6.88	4.55	Not sampled	Not sampled	0.14	dry	0.12	0.16	dry	1.91	21.8
7/18/2012					12.38							14.26	12.91	6.88	7.08										
8/7/2012					14.68							14.71	10.67	3.78	7.03										
9/10/2012	17.64	3.01	dry	2.95	14.73	1.93	dry	1.75	0.22	0.29	0.81	14.14	9.62	3.58	12.98	0.1	dry	dry	0.19	dry	0.15	0.1	No sampling port	2.55	24.2
10/1/2012					14.78							13.46	10.52	3.58	7.78										
11/13/2012	17.69	3	dry	2.55	13.08	1.87	dry	3.9	0.22	0.29	1.16	13.26	8.86	2.93	9.68	dry	0.28	dry	0.19	dry	0.18	0.02	No sampling port	2.21	23.08
12/19/2012	21.54	2.99	dry	3.44	16.78	5.23	dry	5.72	0.24	0.37	1.16	14.38	9.05	2.94	9.88	1	2.41	dry	0.21	dry	0.12	0.01	No sampling port	2.68	23.54
1/15/2013					16.06							12.96	8.85	2.98	13.98										
2/12/2013					17.26							13.92	8.92	3.03	8.53										
3/28/2013	12.86	2.65	dry	2.75	16.88	4.99	0.15	5.78	0.28	0.31	1.21	13.2	9.29	2.74	9.18	0.54	0.21	dry	0.09	dry	0.19	0.2	No sampling port	5.49	21.61
4/29/2013					16.72							15.35	8.69	3.22	9.68										
5/13/2013					16.8							15.56	8.66	3.29	9.68										
6/18/2013	10.36	2.33	dry	3.5	18.86	2.13	dry	5.64	0.3	0.11	2.15	16.4	9.31	3.55	9.13	10.88	0.39	dry	0.2	dry	dry	dry	4.93	4.56	23.06
7/17/2013					18.53							15.71	10.09	3.84	7.83										
8/13/2013					16.58							15.14	9.85	3.66	6.8										
9/11/2013	10.74	2.47	dry	3.59	19.46	1.98	dry	5.6	0.22	0.37	1.66	15.26	10.05	3.55	10.4	1.28	dry	dry	0.21	dry	dry	0.18	1.21	3.89	23.1
10/8/2013					14.84							15.16	9.95	3.48	8.82										
11/19/2013					17.78							14.26	9.59	3.2	8.72										
12/18/2013	12.28	2.58	dry	4.18	16.44	2.38	dry	5.64	0.26	0.47	1.33	15.24	9.75	3.54	8.24	11.02	0.61	dry	0.22	dry	dry	dry	0.03	4.25	22.96
1/15/2014					20.18							14.41	9.91	3.38	8.18										
2/18/2014					22.13							15.22	9.29	3.63	7.48										
3/11/2014	12.39	2.51	dry	3.99	21.48	2.05	dry	5.64	0.13	0.53	1.41	14.7	9.47	3.36	7.56	12.82	0.78	0.27	0.25	dry	0.2	0.16	dry	4.26	21.8
4/22/2014					22.18							13.48	9.39	3.46	7.42										
5/14/2014					16.42							15.08	8.89	3.22	6.7										
6/16/2014	12.29	2.43	dry	3.8	19.93	1.93	dry	5.68	1.65	0.43	1.81	18.64	10.37	3.56	11.58	10.05	2.45	0.05	0.15	dry	dry	dry	3.26	5.51	25.44
7/15/2014					17.23							21.5	10.73	3.63	7.53										
8/5/2014					20.88							18.76	10.7	3.6	7.08										
9/19/2014	12.39	2.37	dry	3.67	16.16	1.94	dry	5.76	1.01	dry	1.8	19.52	11.05	3.63	9.33	9.73	2.12	dry	0.24	dry	dry	dry	3.27	5.39	24.95
10/9/2014					11.08							16.9	9.92	3.1	7.24										23.7
11/25/2014					10.15							16.74	10.01	3.08	7.48										
12/12/2014	2.59	3.07	dry	4.15	8.25	2.05	dry	5.68	0.25	0.59	1.67	6.42	3.55	3.2	2.62	9.06	4.38	0.63	0.33	dry	dry	0.18	0.41	5.41	7.94
1/19/2015					13.38							3.01	0.08	3.13	2.49										0.97
2/24/2015					12.78							2.46	6.63	3.42	2.48										0.9
3/20/2015	7.98	2.43	dry	3.77	16.52	2.05	dry	5.62	0.22	0.57	2.37	2.66	0.55	2.9	2.44	0.42	0.69	1.07	0.31	dry	dry	0.16	0.03	5.21	0.96
4/7/2015					16.98							2.77	dry	3.1	2.52										1.28
5/5/2015					16.08							2.58	dry	2.74	2.42										0.34
6/16/2015	8.34	2.43	dry	2.41	13.33	1.37	dry	5.64	dry	0.31	2.49	9.44	8.55	2.84	12.88	0.15	3.87	1.6	0.37	dry	0.19	0.24	2.15	4.91	16.98
7/15/2015					13.52							12.06	7.95	3.03	12.88										6.47
8/4/2015					10.88							13.09	10.02	3.28	2.4										16.82
9/16/2015	11.64	2.48	dry	3.63	13.53	2.23	dry	5.61	0.28	0.27	2.36	13.44	9.9	3.32	6.08	0.75	0.81	0.84	0.39	dry	dry	dry	2.21	5.25	18.3
10/15/2015					12.51							14.31	10.04	3.4	6.28										17.77
11/6/2015					12.08							14.88	10.21	3.34	6.48										18.32
12/21/2015	12.14	3.35	dry	4.05	13.54	2.37	dry	5.7	0.33	0.53	3.05	18.88	10.93	3.7	6.93	0.68	4.96	2.94	0.41	0.1	dry	0.27	4.97	5.56	24.74
1/7/2016					12.84							18.54	11.37	3.92	7.44										25.16
2/1/2016					18.52							17.8	11.21	3.76	7.02										23.98
3/17/2016	12.62	3.53	dry	4.03	19.7	2.49	dry	5.71	0.62	0.93	3.41	11.53	3.92	4.58	2.67	0.98	2.4	2.62	0.38	0.07	dry	dry	5.89	5.59	7.16
4/4/2016					17.88							11.96	5.32	3.94	2.9										14.32
5/12/2016					20.58							3.23	4.41	4.63	2.73										4.58
6/15/2016	12.72	42.03	0.01	3.65	21.14	7.55	dry	9.3	0.72	1.04	3.02	3.08	3.89	4.44	2.88	8.3	4.7	1.29	0.43	0.04	dry	0.2	3.45	5.63	3.56

TABLE 1

LEACHATE HEAD THICKNESS MONITORING

Junker Sanitary Landfill FID #656026800

DNR ID	101	102	103	104	110	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	717	718	719	720	721
DATE	LHW-1	LHW-2	LHW-3	LHW-4	LEW-1	GEW-1	GEW-2	GEW-3	GEW-4	GEW-5	GEW-6	GEW-7	GEW-8	GEW-9	GEW-10	GEW-11	GEW-12	GEW-13	GEW-14	GEW-15	GEW-17	GEW-18	GEW-19	GEW-20	GEW-21
7/21/2016					21.33							8.51	3.07	4.28	2.88										1.88
8/9/2016					22.23							3.72	3.83	4.28	2.78										3.4
9/20/2016	13.64	42.85	dry	3.87	20.68	8.05	dry	5.72	0.68	0.74	4.02	11.32	8.45	4.08	4.98	13.2	5.21	2.45	0.39	0.04	dry	0.22	4.59	5.51	13.45
11/9/2016					33.78							25.66	13.27	3.98	13.08										18.3
12/1/2016	14.68	40.28	0.05	12.15	21.14	7.87	0.33	5.7	0.38	dry	2.89	18	10.79	3.78	5.18	11.66	5.41	2.87	0.33	0.06	0.22	0.24	-	5.43	20.23
1/3/2017					28.95							15.66	dry	2.48	12.27										22.2
2/13/2017					18.8							2.8	3.67	3.72	25.04										19.96
3/28/2017	19.54	40.03	dry	5.01	23.08	3.05	0.3	5.72	3.27	0.69	4.56	-	dry	4.24	-	21.32	30.57	8.14	0.37	dry	dry	0.2	5.99	4.91	12.7
4/11/2017					23.06							-	dry	3.5	-										27.43
5/8/2017					-							-	-	-	-										-
6/5/2017	16.15	4.18	dry	5.31	23.9	3.62	0.4	5.98	1.51	1.7	4.68	4.29	0.77	4.43	dry	2.2	dry	3.62	0.64	dry	0.28	0.52	4.64	5.59	26.85
7/21/2017					25.33							-	0.2	4.48	7.18										22.95
8/15/2017					26.67							-	dry	4.64	7.67										22.05
9/6/2017	13.34	37.33	dry	5.05	26.1	3.38	dry	dry	0.6	0.62	3.35	-	dry	4.29	6.94	1.12	dry	2.67	0.27	dry	dry	0.55	3.11	5.39	21.7
10/9/2017					23.06							-	dry	3.82	7.45										21.09
11/2/2017					36.44							9.84	0.52	3.96	12.48										-
12/1/2017					31.06							12.64	0.03	3.83	10.38										-
12/19/2017	13.99	3.92	dry	4.7		3.26	dry	5.81	0.52	0.68	4.79					1.55	22.31	1.94	0.51	dry	0.26	0.27	-	5.56	20.81
1/8/2018					33.18							-	32.77	3.03	16.07										22.5
2/15/2018					36.72							40.36	-	3.18	12.56										46.7
3/14/2018	20.16	38.81	dry	29.23	34.02	45.83	dry	dry	21.9	0.44	3.27	-	dry	3.42	37.28	24.35	dry	15.71	0.25	dry	0.26	0.36	-	5.12	47.3
4/12/2018					22.53							5.8	dry	3.48	2.48										32.7
5/10/2018					36.44							-	31.42	3.2	10.08										39.76
6/19/2018	22.56	43.57	dry	28.8	35.57	38.27	dry	5.9	5.72	0.42	dry	55.86	14.49	3.24	37.09	28.1	dry	10.87	0.83	dry	0.34	0.28	2.05	33.59	46.52
7/10/2018					35.03								19.44	3.11	41.68										43
8/14/2018					27.09							-	-	3.28	dry										29.46
9/24/2018	25.06	43.38	0.08	30	30.78	7.03	dry	6.79	1.82	0.64	dry	-	-	4.02	38.98	24.46	dry	8.39	0.64	dry	dry	0.07	3.03	31.72	60.2
10/15/2018					35.43							-	-	4.53	28.36										60.3
11/13/2018					34.78							-	36.77	3.68	-										43
12/28/2018	23.34	43.93	Frozen	29.65	Frozen	29.13	0.35	17.3	21.75	Frozen	4.71	-	3.47	4.58	43.98	29.7	30.51	dry	0.51	dry	Frozen	Frozen	2.79	16.41	46.2
1/7/2019					Frozen							-	5.17	4.58	44.18										46.8
2/13/2019					Frozen							55.56	Frozen	1.88	57.28										51.2
3/20/2019	12.64	38.83	dry	4.45	19.68	3.03	dry	5.1	1.5	dry	dry	0.66	-	2.08	dry	4.5	dry	1.89	dry	dry	dry	dry	dry	4.31	25.7
4/8/2019					35.8							48.98	4.69	3.56	41.78										43.37
5/14/2019					19.78							28.76	22.82	3.68	14.28										29.48
6/18/2019	20.64	dry	dry	3.85	25.08	7.13	dry	7.52	0.7	dry	4.01	21.76	10.52	3.58	6.48	1.7	dry	dry	dry	dry	0.12	0.36	dry	4.71	29.2
7/24/2019					34.23							42.9	30.71	3.42	44.46										48.9
8/14/2019					35							43.21	-	3.28	12.68										19.28
9/20/2019	19.81	43.95	7.99	28.45	29.46	15.93	dry	8.55	2.31	1.59	4.91	43.26	10.7	5.89	-	13.16	30.46	23.93	0.69	dry	0.27	1.95	10.34	21.01	11.9
10/18/2019					33.9							32.07	-	3.76	-										46.3
11/22/2019					32.86							0.15	5.17	4.1	-										9.86
12/4/2019	22.54	41.88	dry	27.55	32.38	21.23	dry	9.5	22.5	dry	4.46	40.86	-	3.48	36.48	9.36	29.51	14.44	0.39	0.15	0.34	0.37	-	16.61	45.85
1/7/2020					Frozen							14.76	2.77	3.18	-										45.4
2/25/2020					23.78							13.86	-	3.08	2.58										7.4
3/17/2020	19.44	43.13	dry	28.05	35.28	3.71	dry	7.1	0.8	0.39	4.81	41.46	-	3.08	31.98	11.1	29.81	16.69	dry	dry	dry	dry	-	5.41	38.1
4/21/2020					29.38							dry	-	3.58	11.38										29.2
5/28/2020					19.48							-	2.77	2.48	dry										-
6/5/2020	29.32	41.18	0.08	28.55	49.48	10.33	0.37	15.31	0.95	0.44	dry	45.76	12.07	4.03	12.1	3.5	30.31	20.09	0.54	dry	0.22	0.56	-	5.53	55.7
7/28/2020					35.47							-	-	4.03	18.68										47.2
8/11/2020					34.96							-	-	2.89	dry										48.26
9/29/2020	18.94	51.93	53.83	dry	38.28	5.73	dry	7	6.7	0.29	7.91	-	-	3.38	-	4.4	30.11	21.29	0.79	dry	dry	dry	3.19	5.21	48.6
10/6/2020					36.33							-	-	3.66	31.86										62.3
11/5/2020					27.28							9.26	10.17	2.08	0.28										27.1
12/10/2020	27.94	4.73	0.33	26.85	33.58	14.43	dry	10	5.3	dry	4.11	31.86	-	3.28	40.98	5.3	6.41	4.69	0.29	0.1	dry	dry	-	4.31	3.2

TABLE 1

LEACHATE HEAD THICKNESS MONITORING

Junker Sanitary Landfill FID #656026800

DNR ID	101	102	103	104	110	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	717	718	719	720	721
DATE	LHW-1	LHW-2	LHW-3	LHW-4	LEW-1	GEW-1	GEW-2	GEW-3	GEW-4	GEW-5	GEW-6	GEW-7	GEW-8	GEW-9	GEW-10	GEW-11	GEW-12	GEW-13	GEW-14	GEW-15	GEW-17	GEW-18	GEW-19	GEW-20	GEW-21
1/18/2021					-							-	-	3.08	-										38.7
2/2/2021					-							-	12.77	2.78	-										45.2
3/19/2021	23.44	42.93	dry	25.96	30.43	18.41	dry	6.25	19.2	0.19	3.71	14.62	-	2.63	42.88	9.8	30.61	22.29	0.79	dry	dry	dry	-	4.86	29.35
4/13/2021					32.18								-	dry											28.2
5/19/2021					57.23								-	4.08											61.5
6/16/2021	27.88	43.53	dry	25.95	57.18	-	dry	8.15	28.6	0.59	4.71	43.84	-	dry	41.34	35.4	30.81	22.15	0.93	dry	0.52	0.66	-	5.59	48.3
7/8/2021					26.19								-	3.95											61.35
8/10/2021					26.55								23.33	3.97											38.46
9/13/2021	15.04	40.83	0.58	26.4	29.78	-	0.55	8.3	1.9	0.89	4.91	6.66	1.67	2.78	-	4.4	22.71	22.84	1.29	dry	0.67	0.56	-	5.36	41.6
10/8/2021					24.98								1.27	3.98	-		6.81								7.2
11/9/2021					26.6								1.27	3.44	-		26.31								31
12/2/2021	6.73	41.23	0.33	27.04	21.84	-	0.56	7.93	2.27	1.04	4.72	-	1.29	3.34	-	5.85	-	21.57	0.75	dry	0.51	dry	-	25.68	46.67
1/31/2022					31.38					dry	4.6	-	10.42	3.88	-	6.36							-	6.68	45.75
2/25/2022					26.37					dry	4.7	-	10.47	7.02	-	7.67							-	8.63	46.65
3/9/2022	14.64	dry	0.69	blocked	21.6	27.03	0.6	11.4	1.89	0.22	4.03	-	blocked	3.24	-	7.25	-	3.74	1.04	-	0.73	0.56	-	7.14	47.4
4/4/2022					24.75					0.45	5.21	-	11.09	3.53	-	4.47							-	5.66	45.81
5/11/2022					30.74					2.71	4.49	-	0.82	4.12	-	7.48							-	7.73	4.29
6/9/2022	22.37	46.32	dry	26.76	29.64	47.74	0.6	8.38	2.06	27.37	3.94	-	1.92	3.67	-	5.17	30.18	23.77	1.04	dry	0.68	1.09	-	5.37	4.13
7/29/2022					25.77					0.32	3.8	-	9.18	3.81	-	36.5							-	5.34	16.18
8/8/2022					27.77					dry	3.87	-	10.15	3.23	-	31.74							-	5.17	15.72
9/7/2022	22.53	46.66	dry	27.14	30.55	48.21	dry	8.07	4.32	0.34	5.67	-	21.98	9.31	-	39.85	31.14	24.46	1.17	-	0.66	0.99	-	blocked	37.97
10/10/2022					30.61					6.44	4.39	-	14.32	3.53	-	40.1							-	5.66	46.38
11/22/2022	22.31	46.62	dry	27.18	30.35	47.23	0.03	9.07	4.66	0.5	5.71	-	22.14	9.45	-	39.92	31.26	24.48	1.25	-	0.8	1.12	-	blocked	38.71
12/29/2022					29.36					1.1	4.43	-	2.39	3.49	-	38.59							-	blocked	42.95
1/18/2023					27.52					dry	3.54	-	5.74	2.26	-	37.66							-	blocked	41.59
2/21/2023					27.4					dry	3.42	-	5.66	3.32	-	37.57							-	blocked	43.99
3/6/2023	22.4	46.81	dry	27.32	30.38	47.6	0.17	9.4	4.98	0.61	5.72	-	22.22	9.54	-	40.2	31.31	24.52	1.48	-	0.81	1.22	-	blocked	38.83
4/3/2023					47.91					0.67	4.16	-	10.53	4.02	-	7.45							-	5.92	42.28
5/22/2023					30.41					1.19	4.66	-	5.79	4.7	-	5.1							-	5.68	8.92
5/31/2023	21.32	41.6	dry	3.68	30.36	4.92	0.51	9.4	2.05	1.21	4.58	-	5.75	4.78	-	5.03	30.73	11.57	1.13	0.1	0.73	1.27	-	5.72	8.89
7/27/2023					30.23					0.64	4.42	-	5.53	4.66	-	4.81							-	5.67	8.82
8/8/2023					30.38					1.39	4.71	-	5.99	4.79	-	5.15							-	5.98	8.91
9/18/2023	15.67	38.75	dry	27.73	24.12	32.47	0.31	7.49	3.48	dry	5.28	-	2.96	4.15	-	6.97	31.03	13.69	1.22	dry	0.15	dry	-	blocked	blocked
10/4/2023					25.89					dry	4.52	-	2.19	4.11	-	5.67							-	6.11	9.39
11/29/2023					28.45					blocked	4.62	-	9.39	4.25	-	8.38							-	5.73	37.46
12/15/2023	23.62	43.04	dry	2.48	29.24	4.4	0.4	16.19	1.79	blocked	3.94	-	dry	3.76	-	8.68	31.18	18.39	1.32	0.23	dry	0.86	-	5.81	9.96

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
1/6/2012	37	1741					
1/10/2012	37.5	1772	31	0	0		pumps off
1/16/2012	37.5	1772	0	0	0		
1/23/2012	37.5	1772	0	0	0.00		gal per day
2/2/2012	36	1680	-92	0	-9.20		gal per day
2/7/2012	37.5	1772	92	0	18.40		gal per day
2/17/2012	37.5	1772	0	0	0.00		gal per day
2/21/2012	37.5	1772	0	0	0.00		gal per day
2/27/2012	37.5	1772	0	0	0.00		gal per day
3/21/2012	46	2299	527	0	22.91		gal per day
3/27/2012	46	2299	0	0	0		pumps off
4/4/2012	46	2299	0	0	0		
4/11/2012	47	2361	62	0	8.86		gal per day
4/18/2012	52.5	2576	215	0	30.71		gal per day
4/25/2012	53.5	2772	196	0	28.00		gal per day
5/2/2012	61	3191	419	0	59.86		gal per day
5/9/2012	66.5	3483	292	0	41.71		gal per day
5/11/2012				3483			Tank pumped
5/16/2012	6.25	138					gal per day
5/25/2012	9.25	246	108	0	12.00		gal per day
5/29/2012	13.75	438	192	0	48.00		gal per day
6/5/2012	25.5	1052	614	0	87.71		gal per day (emptied 395 gallons after manually pumping GEW-21 [375 gal] and LEW-1 [20 gal] on June 1, 2012)
6/13/2012	25.5	1052	0	0	0.00		gal per day
6/22/2012	27	1139	87	0	9.67		gal per day
6/25/2012	27	1139	0	0	0.00		gal per day
7/3/2012	27	1139	0	0	0.00		gal per day
7/9/2012	27.25	1153	14	0	2.33		gal per day
7/19/2012	27.25	1153	0	0	0.00		gal per day
7/23/2012	28.5	1227	74		18.50		gal per day
7/30/2012	28.75	1241	14		2.00		gal per day
8/6/2012	28.75	1241	0		0.00		gal per day
8/15/2012	29	1256	15		1.67		gal per day
8/20/2012	29	1256	0				
8/27/2012	29.25	1271	15		2.14		
9/4/2012	29.25	1271					
9/10/2012	29.25	1271					
9/17/2012	29.25	1271					
9/25/2012	29.5	1286	15		1.88		
10/1/2012	29.5	1286					
10/18/2012	29.5	1286					

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
10/22/2012	29.5	1286					
10/31/2012	29.5	1286					
11/7/2012	29.5	1286					
11/13/2012	29.5	1286					
11/19/2012	29	1256	-30		-5.00		
11/27/2012	29	1256					
12/7/2012	29	1256					
12/12/2012	29	1256					
12/19/2012	29	1256					
12/27/2012	29	1256					
1/2/2013	28.75	1241	-15		-2.50		
1/8/2013	28.75	1241					
1/15/2013	28.5	1227	-14		-2.00		
1/23/2013	28.5	1227					
2/8/2013	28	1197	-30		-1.88		
2/12/2013	27.5	1168	-29		-7.25		
2/27/2013	27.5	1168	0		0.00		
3/7/2013	27.5	1168	0		0.00		
3/13/2013	30	1316	148		24.67		
3/28/2013	30.25	1330	14		0.93		
4/2/2013	46.5	2330	1000		200.00		
4/9/2013	55.25	2861	531		75.86		
4/18/2013	67	3508	647		71.89		
4/19/2013	0	0		4000			Tank pumped
4/22/2013	19.25	709	709		236.33		
4/29/2013	41	1989	1280		182.86		
5/8/2013	59	3078	1089		121.00		
5/13/2013	61	3191	113		22.60		
5/13/2013	0	0		3191			Tank pumped
5/22/2013	14.75	485	485		53.89		
5/29/2013	19.75	736	251		35.86		
6/6/2013	23	912	176		22.00		
6/13/2013	24	967	55		7.86		
6/18/2013	26	1081	114		22.80		
6/25/2013	43.75	2160	1079		154.14		
7/2/2013	46	2299	139		19.86		
7/8/2013	47	2361	62		10.33		
7/17/2013	46.75	2346	-15		-1.67		
7/26/2013	46.25	2315	-31		-3.44		
8/1/2013	46	2299	-16		-2.67		
8/8/2013	46.75	2346	47		6.71		
8/13/2013	46.5	2330	-16		-3.20		
8/19/2013	46.75	2346	16		2.67		
8/27/2013	46.5	2330	-16		-2.00		
9/3/2013	47	2361	31		4.43		
9/11/2013	47	2361	0		0.00		

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
9/17/2013	46.75	2346	-15		-2.50		
9/24/2013	47	2361	15		2.14		
10/2/2013	47.25	2376	15		1.88		
10/8/2013	47.25	2376	0		0.00		
10/15/2013	47.25	2376	0		0.00		
10/24/2013	47.75	2407	31		3.44		
10/28/2013	48	2423	16		4.00		
11/4/2013	48.25	2438	15		2.14		
11/11/2013	48.25	2438	0		0.00		
11/19/2013	48.75	2469	31		3.88		
11/25/2013	49.25	2499	30		5.00		
12/5/2013	49.75	2530	31		3.10		
12/13/2013	49.75	2530	0		0.00		
12/18/2013	50	2545	15		3.00		
12/27/2013	50.5	2576	31		3.44		
12/30/2013	50.75	2591	15		5.00		
1/7/2014	52	2667	76		9.50		10.11
1/15/2014	53	2727	60		7.50		
1/20/2014	54	2787	60		12.00		
1/29/2014	55.75	2890	103		11.44		
2/4/2014	56.75	2949	59		9.83		11.58
2/11/2014	58	3021	72		10.29		
2/18/2014	59.5	3107	86		12.29		
2/28/2014	62	3246	139		13.90		
3/5/2014	62	3246	0		0.00		10.26
3/11/2014	63.25	3314	68		11.33		
3/18/2014	0	0	0	4450	0.00		Tank pumped
3/25/2014	8.25	208	208		29.71		
4/1/2014	25	1024	816		116.57		60.29
4/8/2014	34.25	1572	548		78.29		
4/15/2014	36	1680	108		15.43		
4/22/2014	39.5	1896	216		30.86		
5/1/2014	67	3508	1612		179.11		108.47
5/8/2014	0	0	0	4400	0.00		Tank pumped
5/14/2014	27.5	1168	1168		194.67		
5/20/2014	38.5	1834	666		111.00		
5/27/2014	45	2237	403		57.57		
6/3/2014	57	2963	726		103.71		84.93
6/10/2014	59.5	3107	144		20.57		
6/10/2014	0	0	0	3107			Tank pumped
6/16/2014	13.5	426	426		71.00		
6/25/2014	34.75	1726	1300		144.44		
7/1/2014	41.5	2021	295		49.17		11.33
7/10/2014	42.25	2066	45		5.00		
7/15/2014	42.5	2082	16		3.20		
7/21/2014	42	2051	-31		-5.17		

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
7/28/2014	42.5	2082	31		4.43		
8/5/2014	43	2113	31		3.88		16.86
8/12/2014	42.75	2097	-16		-2.29		
8/13/2014	0	0		2606			Tank pumped
8/19/2014	14.25	461	461		65.86		
8/29/2014	14.25	461	0		0.00		
9/3/2014	14.5	473	12		2.40		1.90
9/13/2014	14	450	-23		-2.30		
9/19/2014	15	497	47		7.83		
9/24/2014	15	497	0		0.00		
10/1/2014	15.25	508	11		1.57		6.17
10/7/2014	15.25	508	0		0.00		
10/12/2014	16	545	37		7.40		
10/18/2014	16.25	557	12		2.00		
10/25/2014	19	696	139		19.86		
11/7/2014	21.75	843	147		11.31		14.41
11/21/2014	22.75	898	55		3.93		
11/25/2014	24.75	1010	112		28.00		
12/1/2014	27	1139	129		21.50		284.98
12/12/2014	27.5	1168	29		2.64		NEW PUMPS INSTALLED
12/18/2014	53.75	2772	1604	2772	267.33	1225	Tank pumped
12/23/2014		4000	4000	4000	800.00	1225	Tank pumped
12/23/2014	8	199	199		199.00		pumps off
12/30/2014	60	3135	2936	3135	419.43	1237	Tank pumped
1/2/2015	34.75	1603	1603		534.33	1266	colder weather
1/6/2015	62.5	3273	1670	3273	417.50	1293	Tank pumped
1/15/2015	68	3558	3558	3558	395.33	1384	Tank pumped
1/19/2015	45	2237	2237		559.25	1388	
1/23/2015	75	3743	1506	3743	376.50	1391	Tank pumped
1/30/2015	64	3354	3354	3354	479.14	1398	Tank pumped
2/6/2015	51	2606	2606		372.29	1404	Tank pumped
2/12/2015	52	2667	2667		444.50	1410	
2/16/2015	74	3827	1160	1160	116.00	1417	Tank pumped
2/24/2015	43	2113	2113	2113	264.13	1462	Tank pumped
3/4/2015	54.75	2831	2831	2831	353.88	1514	Tank pumped
3/13/2015	62	3246	3246	3246	360.67	1534	Tank pumped
3/20/2015	46.75	2346	2346	2346	335.14	1539	Tank pumped
3/27/2015	46.75	2346	2346	2346	335.14	1544	Tank pumped
4/1/2015	37.5	1772	1772	1772	354.40	1548	Tank pumped
4/7/2015	39.5	1896	1896	1896	316.00	1553	Tank pumped
4/16/2015	53.75	2772	2772	2772	308.00	1559	Tank pumped
4/23/2015	29	1256	1256	1256	179.43	1561	Tank pumped, Pumps off
4/29/2015	41.75	2036	2036	2036	339.33	1565	Tank pumped
5/8/2015		2700	2700	2700	300.00		Tank pumped
5/12/2015	30.25	1330	1330				
5/15/2015	41	1989	659				

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
5/18/2015				2000	200.00		Tank pumped
5/22/2015	6.5	146	146		36.50		
5/26/2015	9	236	90		22.50		
6/2/2015	13.25	415	179		25.57		
6/8/2015	18	645	230		38.33		
6/10/2015	30.75	1360	715		357.50		Cleared line; op pumps for 30 mi
6/16/2015	34	1557	197		32.83		
6/22/2015	39	1865	308		51.33		
6/30/2015	69	3606	1741		217.63		Tank pumped
7/8/2015	40.25	1943	1943		242.88		
7/14/2015	59.5	3107	1164		194.00		Tank pumped
7/21/2015	11	317	317		45.29		
7/27/2015	12	360	43		7.17		
8/4/2015	18	645	285		35.63		
8/11/2015	20	749	104		14.86		
8/21/2015	22	856	107		10.70		
8/25/2015	23	912	56		14.00		
9/3/2015	24	967	55		6.11		
9/9/2015	25.5	1052	85		14.17		
9/16/2015	26.75	1124	72		10.29		
9/24/2015	34	1557	433		54.13		
9/29/2015	34.25	1572	15		3.00		
10/9/2015	36	1680	108		10.80		
10/15/2015	37.25	1757	77		12.83		
10/22/2015	38	1803	46		6.57		
10/26/2015	39.75	1912	109		27.25		
11/3/2015	42	2051	139		17.38		
11/13/2015	54.75	2831	780		78.00		Tank pumped
11/20/2015	17	594	594		84.86		
11/23/2015	19.75	736	142		47.33		
12/3/2015	23.5	939	203		20.30		
12/11/2015	27	1139	200		25.00		
12/17/2015	43	2113	974		162.33		
12/21/2015	46	2299	186		46.50		Year End =
12/28/2015	50	2545	246		35.14		54491
1/4/2016	52.75	2712	167		23.86		
1/12/2016	55.5	2876	164		20.50		
1/19/2016	58.5	3050	174		24.86		
1/27/2016	60	3135	85		10.63		
2/1/2016	62.75	3287	152		30.40		
2/10/2016	66	3458	171	3458	19.00		Tank pumped
2/16/2016	7	163	163		27.17	1582	
2/22/2016	30	1316	1153		192.17	1582	
3/1/2016	48.5	2453	1137		142.13	1594	
3/4/2016		3974	1521	3974	507.00		Tank pumped
3/7/2016	67.5	3533	3533	3533	1177.67	1624	Tank pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
3/10/2016		2963	2963	2963	987.67		Tank pumped
3/14/2016		2978	2978	2978	744.50		Tank pumped
3/15/2016	27	1139	1139		1139.00	1702	
3/17/2016		3260	2121	3260	1060.50		Tank Pumped
3/21/2016		3406	3406	3406	851.50		Tank Pumped
3/22/2016	30	1316	1316		1316.00	1717	
3/24/2016		3135	1819	3135	909.50		Tank Pumped
3/28/2016	66	3458	3458	3458	864.50	1724	Tank Pumped
3/31/2016		3246	3246	3246	1082.00		Tank Pumped
4/4/2016	84	4102	4102	4102	1025.50	*1733	Tank Pumped
4/7/2016		3218	3218	3218	1072.67		Tank Pumped
4/11/2016	72.5	3764	3764	3764	941.00	10	Tank Pumped
4/14/2016	56	2905	2905	2905	968.33		Tank Pumped
4/18/2016	72.5	3764	3764	3764	941.00		Tank Pumped
4/21/2016	53.5	2757	2757	2757	919.00		Tank Pumped
4/25/2016	74	3827	3827	3827	956.75		Tank Pumped
4/26/2016	29	1256	1256		1256.00	146	
4/28/2016	53	2727	1471	2727	490.33		Tank Pumped
5/2/2016	63	3300	3300	3300	825.00	209	Tank Pumped
5/5/2016	52.25	2682	2682	2682	894.00		Tank Pumped
5/9/2016	64	3354	3354	3354	838.50	279	Tank Pumped
5/12/2016	49	2484	2484	2484	828.00		Tank Pumped
5/16/2016	60	3135	3135	3135	783.75		Tank Pumped
5/17/2016	23.5	939	939		939.00	357	
5/19/2016	44	2175	1236	2175	618.00		Tank Pumped
5/23/2016	57	2963	2963	2963	740.75		Tank Pumped
5/24/2016	28	1197	1197		1197.00	427	
5/26/2016	48	2423	1226	2423	613.00		Tank Pumped
5/31/2016	70.5	3676	3676	3676	735.20	498	Tank Pumped
6/2/2016	33	1496	1496	1496	748.00		Tank Pumped
6/6/2016	65	3406	3406	3406	851.50	558	Tank Pumped
6/9/2016	30	1316	1316	1316	438.67		Tank Pumped
6/13/2016	51	2606	2606	2606	651.50		Tank Pumped
6/15/2016	35.25	1634	1634		817.00	642	
6/16/2016	47	2361	727	2361	727.00		Tank Pumped
6/20/2016	49	2484	2484	2484	621.00		Tank Pumped
6/21/2016	22	856	856		856.00	703	
6/23/2016	39.25	1881	1025	1881	512.50		Tank Pumped
6/27/2016	48.5	2453	2453	2453	613.25		Tank Pumped
6/28/2016	19	696	696		696.00	770	
7/5/2016		2545	1849	2545	264.14		Tank Pumped
7/7/2016	26.5	1110	1110	1110	555.00		Tank Pumped
7/11/2016	49	2484	2484	2484	621.00	903	Tank Pumped
7/14/2016		1850	1850	1850	616.67		Tank Pumped
7/21/2016	72.25	3754	3754	3754	536.29	1001	Tank Pumped
7/25/2016	45	2268	2268	3368	567.00	1041	Tank Pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
7/28/2016	37	1741	1741	1741	580.33		Tank Pumped
8/1/2016	37	1741	1741	1741	435.25	1117	Tank Pumped
8/4/2016	37	1741	1741	1741	580.33		Tank Pumped
8/8/2016	44	2175	2175	2175	543.75		Tank Pumped
8/9/2016	20	749	749		749.00	1196	
8/11/2016	37.5	1772	1023	1772	511.50		Tank Pumped
8/15/2016	41.5	2515	2515	2515	628.75		Tank Pumped
8/17/2016	26.5	1110	1110		555.00	1272	
8/18/2016	35	1618	508	1618	508.00		Tank Pumped
8/22/2016	43	2144	2144	2144	536.00		Tank Pumped
8/24/2016	27	1139	1139		569.50	1338	
8/25/2016	35	1618	479	1618	479.00		Tank Pumped
8/29/2016	39.5	1896	1896	1896	474.00	1386	Tank Pumped
9/1/2016	33.25	1511	1511	1511	504.00		Tank Pumped
9/6/2016	41	1989	478	1989	95.6		Tank Pumped
9/8/2016	26.25	1096	1096	1096	548.00		Tank Pumped
9/9/2016	15.5	520	520		520.00	1502	
9/12/2016	44.5	2206	1686	2206	562.00	1532	Tank Pumped
9/20/2016	29.02	276	276		34.50	1539	
9/23/2016	26	1081	1081	1081	360.33		
9/26/2016	32.5	1466	385	1466	128.33		Tank Pumped
9/28/2016	4	71	71		35.50	1545	
10/4/2016	4	71	0		0.00		Leachate Pump Down
10/10/2016	7	163	92		15.33		Leachate Pump Down
10/19/2016	7.5	175	12		1.33		Leachate Pump Down
10/25/2016	9	236	61		10.17		Leachate Pump Down
11/1/2016	10	276	40		6.67		Leachate Pump Down
11/9/2016	11	317	41		5.13		Leachate Pump Down
11/25/2016	14	450	133		8.31		Leachate Pump Down
12/1/2016	15	497	47		7.83		Leachate Pump Down
12/8/2016	20	749	252		36.00		Leachate Pump Down
12/14/2016	23	912	163		27.17		
12/20/2016	24	967	55		9.17		
12/23/2016		2423	1456	2423	485.33		Tank Pumped
12/27/2016	66	3458	1035	3458	258.75		Tank Pumped Year End=
12/28/2016	21	802	802		802.00		154774
1/3/2017	55	2846	2846	2846	474.33		Tank Pumped
1/3/2017	3	47	47				
1/5/2017		775	728	775	364.00		Tank Pumped
1/9/2017	32	1436	1436	1436	359.00		Tank Pumped
1/10/2017	17	594	594		594.00		
1/16/2017	29	1256	1256	1256	209.33	1674	Tank Pumped
1/19/2017	34	1557	1557	1557	519.00		Tank Pumped
1/23/2017		2727	2727	2727	681.75		Tank Pumped
1/30/2017	42	2051	2051	2051	293.00		Tank Pumped
2/6/2017	32	1436	1436	1436	205.14		Tank Pumped

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WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
2/9/2017	26	1081	1081	1081	360.33		Tank Pumped
2/13/2017	38	1803	1803		450.75		
2/16/2017	63	3300	1497	3300	499.00		Tank Pumped
2/21/2017	63	3300	3300		660.00		
2/27/2017	41	1989	1989	1989	331.50		Tank Pumped
3/2/2017		1393	1393	1393	464.33		Tank Pumped
3/3/2017	11.5	338	338		338.00		
3/6/2017	34	1557	1219	1557	406.33	1752	Tank Pumped
3/9/2017	34	1680	1680	1680	560.00		Tank Pumped
3/13/2017	27	1137	1137	1137	284.25		Tank Pumped
3/15/2017	24.5	981	981		490.50		
3/16/2017	32	1436	455	1436	455.00		Tank Pumped
3/20/2017	41	1989	1989	1989	497.25		Tank Pumped
3/22/2017	21.25	816	816		408.00		
3/23/2017	30	1316	500	1316	500.00		Tank Pumped
3/27/2017	42.5	2082	2082	2082	520.50		Tank Pumped
3/28/2017	13.25	415	415		415.00	1786	
3/30/2017	30	1316	901	1316	450.50		Tank Pumped
4/3/2017	41	1989	1989	1989	497.25		Tank Pumped
4/5/2017	22	856	856		428.00		
4/6/2017		1316	460	1316	460.00		Tank Pumped
4/10/2017		1850	1850	1850	462.50		Tank Pumped
4/11/2017	14	450	450		450.00	1807	
4/13/2017	28	1197	747	1197	373.50		Tank Pumped
4/15/2017	26.5	1110	1110		555.00		
4/17/2017	45	2237	1127	2237	563.50		Tank Pumped
4/20/2017	42	2051	2051	2051	683.67		Tank Pumped
4/24/2017	49	2484	2484	2484	621.00		Tank Pumped
4/27/2017	44	2175	2175	2175	725.00		Tank Pumped
4/28/2017	19.25	709	709		709.00		
5/1/2017	50	2545	1836	2545	612.00		Tank Pumped
5/4/2017	52	2667	2667	2667	889.00		Tank Pumped
5/5/2017	23	912	912		912.00		
5/8/2017	60.5	3163	2251	3163	750.33	1848	Tank Pumped
5/11/2017	50	2545	2545	2545	848.33		Tank Pumped
5/15/2017	60	3135	3135	3135	783.75		Tank Pumped
5/17/2017	39	1865	1865		932.50		
5/18/2017	>84	4400	2535	4400	2535.00		Tank Pumped
5/22/2017	>84	4400	4400	4400	1100.00		Tank Pumped
5/24/2017	64.5	3380	3380		1690.00		
5/25/2017	>84	4100	720	4100	720.00		Tank Pumped
5/30/2017	>84	4100	4100	4100	820.00		Tank Pumped
5/31/2017	37	1741	1741		1741.00		
6/1/2017	65.5	3432	1691	3432	1691.00		Tank Pumped
6/5/2017	>84	4187	4187	4187	1046.75	1911	Tank Pumped
6/8/2017	67	3508	3508	3508	1169.33		Tank Pumped

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WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
6/12/2017	62.5	3273	3273	3273	818.25		Tank Pumped
6/15/2017	38	1803	1803	1803	601.00		Tank Pumped
6/17/2017	38	1834	31		15.50		Leachate Pump Down
6/19/2017	69	3606	1772	3606	886.00		Tank Pumped
6/21/2017	30.75	1360	1360		680.00		
6/22/2017	45	2237	877	2237	877.00		Tank Pumped
6/26/2017	54	2787	550	2787	137.50		Tank Pumped
6/29/2017	42	2051	2051	2051	683.67		Tank Pumped
7/3/2017	46	2299	2299	2299	574.75		Tank Pumped
7/5/2017	26.5	1110	1110		555.00		
7/6/2017	39	1865	1865	1865	1865.00		Tank Pumped
7/10/2017	52	2667	2667	2667	666.75		Tank Pumped
7/12/2017	30	1316	1316		658.00		
7/13/2017	39	1865	1865	1865	1865.00		Tank Pumped
7/17/2017	47	2361	2361	2361	590.25		Tank Pumped
7/20/2017	36	1680	1680	1680	560.00	1996	Tank Pumped
7/24/2017	45	2237	2237	2237	559.25		Tank Pumped
7/27/2017		1572	1572	1572	524.00		Tank Pumped
7/31/2017		1881	1881	1881	470.25		Tank Pumped
8/1/2017	15.75	533	533		533.00		
8/3/2017	33	1496	1496	1496	748.00		Tank Pumped
8/7/2017	42	2051	2051	2051	512.75		Tank Pumped
8/10/2017	32	1436	1436	1436	478.67		Tank Pumped
8/11/2017	16	545	545		545.00		
8/14/2017	42	2051	1506	2051	502.00		Tank Pumped
8/15/2017	15	497	497		497.00	2035	
8/17/2017	34	1557	1060	1557	530.00		Tank Pumped
8/21/2017	42.25	2066	2066	2066	516.50		Tank Pumped
8/24/2017	31	1375	1375	1375	458.33		Tank Pumped
8/25/2017	16.5	579	579		579.00		
8/28/2017	41	1989	1410	1989	470.00		Tank pumped
8/30/2017	22	856	856		428.00		
8/31/2017	31	1375	519	1375	519.00		Tank pumped
9/5/2017	48	2423	1048	2423	209.60		Tank pumped
9/6/2017	13	404	404		404.00	2068	
9/7/2017		967	563	967	563.00		Tank pumped
9/11/2017	36	1680	1680	1680	420.00		Tank pumped
9/13/2017	25	1024	1024		512.00		
9/14/2017	36	1680	656	1680	656.00		Tank pumped
9/18/2017	38	1803	1803	1803	450.75		Tank pumped
9/21/2017	31	1375	1375	1375	458.33		Tank pumped
9/22/2017	15	497	497		497.00		
9/25/2017	38	1803	1306	1803	435.33		Tank Pumped
9/26/2017	15	497	497		497.00		
10/2/2017		1557	1060	1557	176.67		Tank Pumped
10/5/2017		1197	1197	1197	399.00		Tank Pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
10/7/2017	21.5	829	829		414.50		
10/9/2017	38	1803	974	1803	487.00	2118	Tank Pumped
10/12/2017	24	964	964	964	321.33		Tank Pumped
10/15/2017	31	1375	1375		458.33		
10/16/2017	32	1436	61	1436	61.00		Tank Pumped
10/26/2017	4.5	85	85		8.50		Leachate Pump Down
11/2/2017	6	130	45		6.43	2154	Leachate Pump Down
11/6/2017	51	2606	2476	2606	619.00		Tank Pumped
11/9/2017	29	1256	1256	1256	418.67		Tank Pumped
11/10/2017	12	360	360		360.00		
11/13/2017	32	1436	1076	1436	358.67		Tank Pumped
11/16/2017	32	1436	1436	1436	478.67		Tank Pumped
11/17/2017	13	404	404		404.00		
11/20/2017	37	1741	1337	1741	445.67		Tank Pumped
11/22/2017	20	749	749		374.50		
11/24/2017	35	1618	869	1618	434.50		Tank Pumped
11/27/2017	28	1197	1197	1197	399.00		Tank Pumped
11/30/2017	27	1139	1139	1139	379.67		Tank Pumped
12/4/2017		1695	1695	1695	423.75		Tank Pumped
12/7/2017	24	964	964	964	321.33		Tank Pumped
12/8/2017	7	163	163		163.00		
12/18/2017	38	1803	1640	1640	164.00		Tank Pumped
12/19/2017	15.5	520	520		520.00	2227	
12/21/2017	29	1256	736	1256	368.00		Tank Pumped
12/28/2017	39	1865	1865	1865	266.43		Tank Pumped Year End=
12/29/2017	10	276	276		276.00		179958
1/3/2018	28	1197	921		184.20		
1/4/2018	33	1496	299	1496	299.00		Tank Pumped
1/8/2018	31.75	1420	1420	1420	355.00		
1/11/2018	70	3563	2143	3563	714.33		Tank Pumped
1/15/2018	32.5	1466	1466		366.50		
1/18/2018	50	2545	1079	2545	359.67		Tank Pumped
1/25/2018	56	2905	2905	2905	415.00		Tank Pumped
2/1/2018	53	2727	2727	2727	389.57		Tank Pumped
2/8/2018	49	2484	2484	2484	354.86		Tank Pumped
2/9/2018	13	404	404		404.00		
2/15/2018	50	2545	2141	2545	356.83		Tank Pumped
2/21/2018	45	2237	2237		372.83		
2/22/2018	49	2484	247	2484	247.00		Tank Pumped
2/27/2018	50	2545	2545		509.00		
3/1/2018	52	2667	122	2667	61.00		Tank Pumped
3/7/2018	51	2606	2606		434.33		
3/8/2018	59	2963	357	2963	357.00		Tank Pumped
3/14/2018	45	2237	2237		372.83	2369	
3/15/2018	55	2846	609	2846	609.00		Tank Pumped
3/20/2018	43.75	2160	2160		432.00		

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
3/22/2018	56	2905	745	2905	372.50		Tank Pumped
3/29/2018	>84	4100	4100	4100	585.71		Tank Pumped
3/30/2018	15	497	497		497.00		
4/2/2018	44	2175	1678	2175	559.33		Tank Pumped
4/6/2018	43	2113	2113		528.25		
4/9/2018	68	3558	1445	3558	481.67		Tank Pumped
4/12/2018	35	1618	1618	1618	539.33	2419	Tank Pumped
4/16/2018	55	2846	2846		711.50		
4/19/2018	>84	4100	1254	4100	418.00		Tank Pumped
4/23/2018	>84	4100	4100	4100	1025.00		Tank Pumped
4/26/2018	39	1865	1865	1865	621.67		Tank Pumped
4/27/2018	19	696	696		696.00		
4/30/2018	59	3078	2382	3078	794.00		Tank Pumped
5/3/2018	49	2484	2484	2484	828.00		Tank Pumped
5/7/2018	54	2787	2787	2787	696.75		Tank Pumped
5/10/2018	45	2235	2235	2235	745.00	2470	Tank Pumped
5/14/2018	40	1927	1927		481.75		
5/17/2018	>84	4100	2173	4100	724.33		Tank Pumped
5/22/2018	50	2545	2545		509.00		
5/24/2018	>84	4100	1555	4100	777.50		Tank Pumped
5/29/2018	48	2423	2423		484.60		
5/31/2018	70	3558	1135	3558	567.50		Tank Pumped
6/7/2018	75	3866	3866	3866	552.29		Tank Pumped
6/12/2018	53.5	2757	2757		551.40		
6/14/2018	>84	4100	1343	4100	671.50		Tank Pumped
6/18/2018	41	1989	1989	1989	497.25		Tank Pumped
6/19/2018	14	450	450		450.00	2540	
6/21/2018	38	1927	1477	1927	738.50		Tank Pumped
6/26/2018	48	2484	2484	2484	496.80		Tank Pumped
6/28/2018	33	1496	1496	1496	748.00		Tank Pumped
7/2/2018	46.5	2330	2330		582.50		
7/5/2018	36	1680	-	1680	-		Tank Pumped
7/9/2018	38	1803	1803	1803	450.75		Tank Pumped
7/10/2018	19	696	696		696.00	2577	
7/12/2018	34	1726	1030	1726	515.00		Tank Pumped
7/16/2018	44	2175	2175	2175	543.75		Tank Pumped
7/19/2018	35	1618	1618	1618	539.33		Tank Pumped
7/20/2018	20	749	749		749.00		
7/23/2018	47	2361	1612	2361	537.33		Tank Pumped
7/30/2018	68	3558	3558	3558	508.29		Tank Pumped
8/1/2018	28.5	1227	1227		613.50		
8/6/2018		3721	2494	3721	498.80		Tank Pumped
8/13/2018	68	3558	3558	3558	508.29		Tank Pumped
8/14/2018	16	545	545		545.00	2640	
8/20/2018	60	3135	2590	3135	431.67		Tank Pumped
8/27/2018	71	3699	3699	3699	528.43		Tank Pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
9/4/2018	74	3827	3827	3827	478.38		Tank Pumped
9/7/2018	30	1316	1316		438.67		
9/10/2018	58	3021	1705	3021	568.33		Tank Pumped
9/11/2018	18	645	645		645.00		
9/17/2018	72	3743	3098	3743	516.33		Tank Pumped
9/24/2018	>84	4100	4100	4100	585.71	2712	Tank Pumped
10/1/2018	64	3354	3354	3354	479.14		Tank Pumped
10/4/2018	51	2606	2606		868.67		
10/8/2018	>84	4100	1494	4100	373.50		Tank Pumped
10/12/2018	>84	4100	4100	4100	1025.00		Tank Pumped
10/15/2018	73	3606	3606	3606	1202.00	2748	Tank Pumped
10/22/2018	>84	4100	4100	4100	585.71		Tank Pumped
10/26/2018	>84	4100	4100	4100	1025.00		Tank Pumped
10/29/2018	69.75	3641	3641	3641	1213.67		Tank Pumped
11/1/2018	50	2553	2553	2553	851.00		Tank Pumped
11/5/2018	70.5	3676	3676	3676	919.00		Tank Pumped
11/8/2018	64.75	3393	3393	3393	1131.00		Tank Pumped
11/12/2018	67.25	3521	3521	3521	880.25		Tank Pumped
11/13/2018	24	967	967		967.00	2806	
11/15/2018	53	2727	1760	2727	880.00		Tank Pumped
11/19/2018	68	3558	3558	3558	889.50		Tank Pumped
11/20/2018	25	1024	1024		1024.00		
11/21/2018	41	1989	965	1989	965.00		Tank Pumped
11/26/2018	>84	4100	4100	4100	820.00		Tank Pumped
11/27/2018	16	545	545		545.00		
11/29/2018	33.75	1542	997	1542	498.50		Tank Pumped
12/3/2018	58.25	3036	3036	3036	759.00		Tank Pumped
12/6/2018	47.25	2376	2376	2376	792.00		Tank Pumped
12/7/2018	18	670	670		670.00		
12/10/2018	51	2606	1936	2606	645.33		Tank Pumped
12/11/2018	22	856	856		856.00		
12/13/2018	49.25	2499	1643	2499	821.50		Tank Pumped
12/17/2018	52	2667	2667	2667	666.75		Tank Pumped
12/20/2018	49	2484	2484	2484	828.00		Tank Pumped
12/21/2018	22.5	884	884		884.00		
12/26/2018	65	3406	2522	3406	504.40		Tank Pumped
12/28/2018	40.5	1958	1958		979.00	2893	Year End =
12/31/2018	75	3866	1908		636.00		213995
1/2/2019	>84	4100	234	4100	117.00		Tank Pumped
1/7/2019	59	3078	3078	3078	615.60	2910	
1/14/2019	>84	4100	1022	4100	146.00		Tank Pumped
1/17/2019	31	1375	1375		458.33		
1/21/2019	56	2905	1530	2905	382.50		Tank Pumped
1/23/2019	29	1300	1300		650.00		
1/25/2019	42	2051	751		375.50		
1/28/2019	63.25	3314	1263		421.00		

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
1/29/2019	>84	4100	786	4100	786.00		Tank Pumped
2/1/2019	34	1557	1557		519.00		
2/4/2019	58	3021	1464	3021	488.00		Tank Pumped
2/5/2019	16	545	545		545.00		
2/11/2019	56.75	2949	2404	2949	400.67		Tank Pumped
2/13/2019	27	1139	1139		569.50		
2/18/2019	48	2484	1345	2484	269.00		Tank Pumped
2/22/2019	35	1618	1618		404.50		
2/25/2019	55	2846	1228	2846	409.33		Tank Pumped
2/28/2019	27	1139	1139		379.67		
3/4/2019	48	2484	1345	2484	336.25		Tank Pumped
3/5/2019	18	645	645		645.00		
3/18/2019	60	3135	2490	3135	191.54		Tank Pumped
3/20/2019	24	939	939		469.50	3036	
3/25/2019	71	3699	2760	3699	552.00		Tank Pumped
3/27/2019	28	1197	1197		598.50		
3/28/2019	38	1803	606	1803	606.00		Tank Pumped
4/1/2019	44	2175	2175	2175	543.75		Tank Pumped
4/2/2019	17.5	619	619		619.00		
4/4/2019	36	1680	1061	1680	530.50		Tank Pumped
4/8/2019	48	2484	2484	2484	621.00	3069	Tank Pumped
4/15/2019	>84	4100	4100	4100	585.71		Tank Pumped
4/18/2019	62	3246	3246	3246	1082.00		Tank Pumped
4/25/2019	28	1197	1197	1197	171.00		Tank Pumped
4/26/2019	9	236	236		236.00		
5/1/2019	22	856	620		124.00		
5/6/2019	27	1139	283	1139	56.60		Tank Pumped
5/7/2019	3.5	58	58		58.00		
5/13/2019	52	2667	2609	2667	434.83		Tank Pumped
5/14/2019	7	163	163		163.00	3121	
5/20/2019	45	2237	2074	2237	345.67		Tank Pumped
5/23/2019	35	1618	1618		539.33		
5/28/2019	56	2905	1287	2905	257.40		Tank Pumped
5/29/2019	15	497	497		497.00		
6/3/2019	24	967	470		94.00		Leachate Pumps Down
6/10/2019	34	1557	590	1557	84.29		Tank Pumped, Leachate Pumps down
6/12/2019	6	130	130		65.00		Leachate Pumps Down
6/17/2019	19	700	570		114.00	3168	Leachate Pumps Down
6/26/2019	22	856	156		17.33		Leachate Pumps Down
6/26/2019	24	967	111		-		Leachate Pumps Down
7/2/2019	35	1618	651		108.50		Leachate Pumps Down
7/8/2019	42	2051	433	2051	72.17		Tank Pumped, Leachate Pumps down
7/10/2019	24	1058	1058		529.00		Leachate Pumps running
7/15/2019	>84	4100	3042	4100	608.40		Tank Pumped
7/16/2019	46	2299	2299		2299.00		
7/18/2019	>84	4100	1801	4100	900.50		Tank Pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
7/22/2019	>84	4100	4100	4100	1025.00		Tank Pumped
7/24/2019	45	2237	2237		1118.50	3332	
7/25/2019	63	3300	1063	3300	1063.00		Tank Pumped
7/29/2019	>84	4100	4100	4100	1025.00		Tank Pumped
7/31/2019	48	2423	2423		1211.50		
8/1/2019	62	3246	823	3246	823.00		Tank Pumped
8/5/2019	>84	4100	4100	4100	1025.00		Tank Pumped
8/6/2019	25	1024	1024		1024.00		
8/8/2019	54	2787	1763	2787	881.50		Tank Pumped
8/12/2019	74	3748	3748	3748	937.00		Tank Pumped
8/14/2019	46	2299	2299		1149.50	3554	
8/15/2019	58	3021	722	3021	722.00		Tank Pumped
8/19/2019	>84	4100	4100	4100	1025.00		Tank Pumped
8/22/2019	42	2051	2051	2051	683.67		Tank Pumped
8/23/2019	24	967	967		967.00		
8/26/2019	65.25	3419	2452	3419	817.33		Tank Pumped
8/27/2019	30	1316	1316		1316.00		
8/29/2019	60	3135	1819	3135	909.50		Tank Pumped
9/3/2019	>84	4100	4100	4100	820.00		Tank Pumped
9/5/2019	47.5	1649	1649	1649	824.50		Tank Pumped
9/6/2019	21	802	802		802.00		
9/9/2019	65	3406	2604	3406	868.00		Tank Pumped
9/10/2019	26	1081	1081		1081.00		
9/12/2019	68	3558	2477	3558	1238.50		Tank Pumped
9/16/2019	>84	4100	4100	4100	1025.00		Tank Pumped
9/19/2019	>84	4100	4100	4100	1366.67		Tank Pumped
9/20/2019	25	1024	1024		1024.00	3932	
9/23/2019	>84	4100	3076	4100	1025.33		Tank Pumped
9/24/2019	27.5	1168	1168		1168.00		
9/26/2019	74	3827	2659	3827	1329.50		Tank Pumped
9/30/2019	74	3827	3827	3827	956.75		Tank Pumped
10/3/2019	64.75	3393	3393	3393	1131.00		Tank Pumped
10/7/2019	84	4100	4100	4100	1025.00		Tank Pumped
10/10/2019	68.75	3594	3594	3594	1198.00		Tank Pumped
10/11/2019	29	1256	1256		1256.00		
10/14/2019	84	4100	2844	4100	948.00		Tank Pumped
10/17/2019	68	3558	3558	3558	1186.00		Tank Pumped
10/18/2019	27.75	1183	1183		1183.00	4249	
10/21/2019	84	4100	2917	4100	972.33		Tank Pumped
10/25/2019	84	4100	4100	4100	1025.00		Tank Pumped
10/28/2019	84	4100	4100	4100	1366.67		Tank Pumped
10/31/2019	84	4100	4100	4100	1366.67		Tank Pumped
11/4/2019	84	4100	4100	4100	1025.00		Tank Pumped
11/6/2019	56.5	2934	2934		1467.00		
11/7/2019	58	3078	144	3078	144.00		Tank Pumped
11/12/2019	11	317	317		63.40		Leachate pumps down

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
11/20/2019	16	545	228		28.50		Leachate pumps down
11/21/2019	39	1865	1320	1865	1320.00		Tank Pumped
11/25/2019	84	4100	4100	4100	1025.00		Tank Pumped
12/3/2019	84	4100	4100	4100	512.50		Tank Pumped
12/4/2019	36	1680	1680		1680.00	4567	
12/5/2019	50	2545	865	2545	865.00		Tank Pumped
12/9/2019	71	3699	3699	3699	924.75		Tank Pumped
12/10/2019	28	1197	1197		1197.00		
12/12/2019	44	2175	978	2175	489.00		Tank Pumped
12/16/2019	49	2484	2484	2484	621.00		Tank Pumped
12/17/2019	26	1081	1081		1081.00		System Down
12/19/2019	36	1680	599	1680	299.50		Tank Pumped, System Down
12/23/2019	65	3406	3406	3406	851.50		Tank Pumped
12/26/2019	56	2905	2905	2905	968.33		Tank Pumped Year End=
							221,398
1/2/2020	84	4100	4100	4100	585.71		Tank Pumped
1/3/2020	41	1989	1989		1989.00		
1/6/2020	84	4100	2111	4100	703.67		Tank Pumped
1/7/2020	26.5	1110	1110		1110.00	4635	
1/9/2020	53	2727	1617	2727	808.50		Tank Pumped
1/13/2020	54	2787	2787	2787	696.75		Tank Pumped
1/16/2020	51	2606	2606	2606	868.67		Tank Pumped
1/21/2020	60	3135	3135	3135	627.00		Tank Pumped
1/23/2020	41	1989	1989	1989	994.50		Tank Pumped
1/24/2020	25	1024	1024		1024.00		
1/27/2020	68.25	3570	2546	3570	848.67		Tank Pumped
1/29/2020	25	1024	1024		512.00		
1/30/2020	38	1803	779	1803	779.00		Tank Pumped
2/3/2020	70.75	3687	3687	3687	921.75		Tank Pumped
2/4/2020	21	802	802		802.00		
2/6/2020	47	2361	1559	2361	779.50		Tank Pumped
2/11/2020		3857	3857	3857	771.40		Tank Pumped
2/13/2020	35	1618	1618	1618	809.00		Tank Pumped
2/17/2020	47	2361	2361	2361	590.25		Tank Pumped
2/18/2020	11.5	338	338		338.00		
2/20/2020	39	1865	1527	1865	763.50		Tank Pumped
2/24/2020	60.25	3177	3177	3177	794.25		Tank Pumped
2/25/2020	18	645	645		645.00	-	
2/27/2020	39.75	1912	1267	1912	633.50		Tank Pumped
3/2/2020	75	3743	3743	3743	935.75		Tank Pumped
3/5/2020	84	4100	4100	4100	1366.67		Tank Pumped
3/9/2020		3972	3972	3972	993.00		Tank Pumped
3/10/2020	27.5	1168	1168		1168.00		
3/12/2020	54	2787	1619	2787	809.50		Tank Pumped
3/16/2020	60	3135	3135	3135	783.75		Tank Pumped
3/17/2020	19.75	736	736		736.00	4767	

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
3/19/2020	44.5	2206	1470	2206	735.00		Tank Pumped
3/23/2020	42	2051	2051	2051	512.75		Tank Pumped
3/24/2020	9	236	236		236.00		
3/26/2020	44	2175	1939	2175	969.50		Tank Pumped
3/30/2020	84	4100	4100	4100	1025.00		Tank Pumped
3/31/2020	54	2787	2787		2787.00		
4/2/2020	84	4100	1313	4100	656.50		Tank Pumped
4/6/2020	84	4100	4100	4100	1025.00		Tank Pumped
4/9/2020	54	2787	2787	2787	929.00		Tank Pumped
4/13/2020	84	4100	4100	4100	1025.00		Tank Pumped
4/14/2020	26.25	1096	1096		1096.00		
4/16/2020	54	2787	2787	2787	1393.50		Tank Pumped
4/20/2020	84	4100	4100	4100	1025.00		Tank Pumped
4/21/2020	27.5	1168	1168		1168.00		
4/23/2020	60	3135	1967	3135	983.50		Tank Pumped
4/27/2020	84	4100	4100	4100	1025.00		Tank Pumped
4/30/2020	84	4100	4100	4100	1366.67		Tank Pumped
5/4/2020	84	4100	4100	4100	1025.00		Tank Pumped
5/5/2020		939	939		939.00		
5/7/2020	51	2606	1667	2606	833.50		Tank Pumped
5/11/2020	84	4100	4100	4100	1025.00		Tank Pumped
5/14/2020	52	2667	2667	2667	889.00		Tank Pumped
5/20/2020		3246	3246		541.00		
5/21/2020	84	4100	854	4100	854.00		Tank Pumped
5/26/2020	84	4100	4100	4100	820.00		Tank Pumped
5/28/2020	31.25	1390	1390		695.00		
6/1/2020	84	4100	2710	4100	677.50		Tank Pumped
6/2/2020	37.5	1772	1772		1772.00		
6/4/2020	84	4100	2328	4100	1164.00	4916	Tank Pumped
6/8/2020	84	4100	4100	4100	1025.00		Tank Pumped
6/9/2020	38	1803	1803		1803.00		
6/11/2020	84	4100	2297	4100	1148.50		Tank Pumped
6/15/2020	84	4100	4100	4100	1025.00		Tank Pumped
6/16/2020	28	1197	1197		1197.00		
6/18/2020	68.5	3582	2385	3582	1192.50		Tank Pumped
6/22/2020	84	4100	4100	4100	1025.00		Tank Pumped
6/23/2020	32	1436	1436		1436.00		
6/24/2020	66	3458	2022	3458	2022.00		Tank Pumped
6/29/2020	84	4100	4100	4100	820.00		Tank Pumped
6/30/2020	>84	4500	4500	4500	4500.00		Tank Pumped
7/1/2020	60	3135	3135	3135	3135.00		Tank Pumped
7/6/2020	84	4100	4100	4100	820.00		Tank Pumped
7/8/2020	64	3354	3354		1677.00		
7/9/2020	84	4100	746	4100	746.00		Tank Pumped
7/13/2020	84	4100	4100	4100	1025.00		Tank Pumped
7/16/2020	73.25	3796	3796	3796	1265.33		Tank Pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
7/20/2020	84	4100	4100	4100	1025.00		Tank Pumped
7/23/2020	64.5	3367	3367	3367	1122.33		Tank Pumped
7/27/2020	84	4100	4100	4100	1025.00		Tank Pumped
7/28/2020	28	1197	1197		1197.00	5321	
7/30/2020	55	2846	1649	2846	824.50		Tank Pumped
8/3/2020	63	3300	3300	3300	825.00		Tank Pumped
8/4/2020	23	912	912		912.00		
8/6/2020	47	2361	1449	2361	724.50		Tank Pumped
8/10/2020	62.25	3260	3260	3260	815.00		Tank Pumped
8/11/2020	21.5	829	829		829.00	5473	
8/13/2020	34	2484	1655	2484	827.50		Tank Pumped
8/17/2020	63	3300	3300	3300	825.00		Tank Pumped
8/20/2020	46	2299	2299	2299	766.33		Tank Pumped
8/21/2020	20	749	749		749.00		
8/24/2020	60.25	3149	2400	3149	800.00		Tank Pumped
8/26/2020	33	1496	1496		748.00		
8/27/2020	47	2361	865	2361	865.00		Tank Pumped
8/31/2020	58.5	3050	3050	3050	762.50		Tank Pumped
9/3/2020	45	2237	2237	2237	745.67		Tank Pumped
9/8/2020	62	3246	3246	3246	649.20		Tank Pumped
9/10/2020	27	1139	1139	1139	569.50	5796	Tank Pumped
9/14/2020	49.75	2530	2530	2530	632.50		Tank Pumped
9/17/2020	41.5	2021	2021	2021	673.67		Tank Pumped
9/18/2020	15	497	497		497.00		
9/21/2020	45.75	2284	1787	2284	595.67		Tank Pumped
9/24/2020	42.25	2066	2066	2066	688.67		Tank Pumped
9/25/2020	19	696	696		696.00		
9/28/2020	55	2846	2150	2846	716.67		Tank Pumped
9/29/2020	15	495	495		495.00		
10/1/2020	36	1680	1185	1680	592.50		Tank Pumped
10/5/2020	40	1927	1927	1927	481.75		Tank Pumped
10/6/2020	17	594	594		594.00	6081	
10/12/2020	84	4100	3506	4100	584.33		Tank Pumped
10/13/2020	19	696	696		696.00		
10/19/2020	79	4000	3304	4000	550.67		Tank Pumped
10/21/2020	23	912	912		456.00		
10/26/2020	61.25	3205	2293	3205	458.60		Tank Pumped
10/29/2020	34	1557	1557		519.00		
11/2/2020	68.5	3582	2025	3582	506.25		Tank Pumped
11/5/2020	38	1083	1083		361.00	6412	
11/9/2020	72	3743	2660	3743	665.00		Tank Pumped
11/11/2020	45	2237	2237		1118.50		
11/16/2020	>84	4100	1863	4100	372.60		Tank Pumped
11/19/2020	39	1865	1865		621.67		
11/23/2020	58	3021	1156	3021	289.00		Tank Pumped
11/27/2020	37.5	1772	1772		443.00		

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
11/30/2020	67.75	3545	1773	3545	591.00		Tank Pumped
12/4/2020	45	2237	2237		559.25		
12/7/2020	60.75	3177	940	3177	313.33		Tank Pumped
12/8/2020	15	497	497		497.00	6661	
12/14/2020	62	3246	2749	3246	458.17		Tank Pumped
12/21/2020	63	3300	3300	3300	471.43		Tank Pumped
12/28/2020	59	3078	3078		439.71		Year End=
12/31/2020	>84	4100	1022		340.67		295,449
1/4/2021	>84	4100	1022	4100	146.00		Tank Pumped
1/7/2021	28	1197	1197		119.70		BLOWER NOT OPERATIONAL
1/11/2021	46	2299	1102	2299	275.50		Tank Pumped
1/12/2021	22	856	856		171.20	68551	
1/18/2021	74	3827	2971	3827	495.17		Tank Pumped
1/18/2021	0	0	0			69034	
1/27/2021	61.25	3205	3205	3205	356.11		BLOWER NOT OPERATIONAL
2/1/2021	38.5	1834	1834	1834	366.80		BLOWER NOT OPERATIONAL
2/2/2021	13	404	404		404.00		
2/8/2021	54	2787	2383	2787	397.17		Tank Pumped
2/11/2021	26	1081	1081		360.33		
2/15/2021	40	1927	846	1927	211.50		Tank Pumped
2/17/2021	19	696	696		348.00		
2/23/2021	49	2484	1788	2484	298.00		Tank Pumped
2/26/2021	22	856	856		285.33		
3/1/2021	45	2237	1381	2237	460.33		Tank Pumped
3/3/2021	21	802	802		401.00		
3/8/2021	>84	4100	3298	4100	659.60		Tank Pumped
3/11/2021	>84	4100	4100	4100	1366.67		Tank Pumped
3/15/2021	>84	4100	4100	4100	1025.00		Tank Pumped
3/18/2021	40	1927	1927	1927	642.33		Tank Pumped
3/19/2021	14.75	485	485		485.00	7604	
3/22/2021	40	1927	1442	1927	480.67		Tank Pumped
3/25/2021	>84	4100	4100	4100	1366.67		Tank Pumped
3/26/2021	38	1803	1803		1803.00		
3/29/2021	>84	4100	2297	4100	765.67		Tank Pumped
4/1/2021	41	1989	1989	1989	663.00		Tank Pumped
4/5/2021	44	2175	2175	2175	543.75		Tank Pumped
4/7/2021	38	1803	1803		901.50		
4/8/2021	54	2787	984	2787	984.00		Tank Pumped
4/12/2021	>84	4100	4100	4100	1025.00		Tank Pumped
4/15/2021	49	2484	2484	2484	828.00		Tank Pumped
4/18/2021	43	2113	2113		704.33		
4/19/2021	54	2787	674	2787	674.00		Tank Pumped
4/22/2021	39	1865	1865	1865	621.67		Tank Pumped
4/26/2021	45	2667	2667	2667	666.75		Tank Pumped
4/29/2021	45	2237	2237	2237	745.67		Tank Pumped
5/3/2021	53	2727	2727	2727	681.75		Tank Pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
5/5/2021	30	1316	1316		658.00		
5/6/2021	39	1865	549	1865	549.00		Tank Pumped
5/10/2021	49	2484	2484	2484	621.00		Tank Pumped
5/18/2021	>84	4100	4100	4100	512.50		Tank Pumped
5/19/2021	24	967	967		967.00	7760	
5/21/2021	46	2299	1332	2299	666.00		Tank Pumped
5/24/2021	40	1927	1927	1927	642.33		Tank Pumped
5/27/2021	41	1989	1989	1989	663.00		Tank Pumped
6/1/2021	>84	4100	4100	4100	820.00		Tank Pumped
6/3/2021	31	1375	1375	1375	687.50		Tank Pumped
6/4/2021	20.5	775	775		775.00		
6/7/2021	54.5	2817	2042	2817	680.67		Tank Pumped
6/10/2021	36	1680	1680	1680	560.00		Tank Pumped
6/14/2021	48.25	2438	2438	2438	609.50		Tank Pumped
6/16/2021	26	1081	1081		540.50	7808	
6/17/2021	36	1680	599	1680	599.00		Tank Pumped
6/21/2021	51	2606	2606	2606	651.50		Tank Pumped
6/22/2021	16.25	557	557		557.00		
6/24/2021	38	1803	1246	1803	623.00		Tank Pumped
6/28/2021	42	2051	2051	2051	512.75		Tank Pumped
6/30/2021	22.5	884	884		442.00		
7/6/2021		2712	1828	2712	304.67		Tank Pumped
7/8/2021	26	1081	1081	1081	540.50		Tank Pumped
7/8/2021	2	25	25			7844	
7/12/2021	36	1680	1655		413.75		
7/15/2021	68	3558	1878	3558	626.00		Tank Pumped
7/19/2021	34	1557	1557		389.25		
7/22/2021	62	3246	1689	3246	563.00		Tank Pumped
7/29/2021	66	3458	3458	3458	494.00		Tank Pumped
7/30/2021	12.75	393	393		393.00		
8/3/2021	44.5	2206	1813		453.25		
8/5/2021	52	2667	461	2667	230.50		Tank Pumped
8/10/2021	22	856	856		171.20	7894	
8/12/2021	33	1496	640	1496	320.00		Tank Pumped
8/19/2021	28	1197	1197	1197	171.00		Tank Pumped
8/20/2021	8	199	199		199.00		
8/25/2021	22.75	898	699		139.80		
8/26/2021	39	1865	967	1865	967.00		Tank Pumped
8/30/2021	84	4100	4100	4100	1025.00		Tank Pumped
9/1/2021	35	1618	1618		809.00		
9/2/2021	40	1927	309	1927	309.00		Tank Pumped
9/7/2021	58	3021	3021	3021	604.20		Tank Pumped
9/8/2021	18	645	645		645.00		
9/9/2021	25	1024	379	1024	379.00		Tank Pumped
9/13/2021	38	1803	1803		450.75		
9/16/2021	66	3458	1655	3458	551.67		Tank Pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
9/20/2021	36.5	1711	1711		427.75		
9/23/2021	59	3078	1367	3078	455.67		Tank Pumped
9/28/2021	50	2545	2545		509.00	80976	
9/30/2021	64	3354	809	3354	404.50		Tank Pumped
10/5/2021	43	2113	2113		422.60	81222	
10/6/2021	55	2846	733	2846	733.00		Tank Pumped
10/8/2021	31	1375	1375		687.50	81383	
10/13/2021	58	3078	1703		340.60	81584	
10/14/2021	68	3558	480	3558	480.00		Tank Pumped
10/21/2021	56	2905	2905	2905	415.00		Tank Pumped
10/22/2021	13	404	404		404.00	81956	
10/27/2021	55	2846	2442	2846	488.40		Tank Pumped
10/29/2021	15	497	497		248.50	82253	
11/4/2021	51	2606	2109	2606	351.50		Tank Pumped
11/9/2021	40.5	1958	1958		391.60	82730	
11/11/2021	56	2905	947	2905	473.50		Tank Pumped
11/19/2021	58	3021	3021		377.63	83212	
11/22/2021	>84	4102	1081	4102	360.33		Tank Pumped
11/24/2021	25	1024	1024		512.00	83420	
11/29/2021	55	2846	1822	2846	364.40		Tank Pumped
12/2/2021	31	1375	1375		458.33	83821	
12/6/2021	56	2905	1530	2905	382.50		Tank Pumped
12/10/2021	32	1436	1436		359.00	84239	
12/13/2021	54	2787	1351	2787	450.33		Tank Pumped
12/16/2021	36	1680	1680		560.00	84496	
12/20/2021	55	2846	1166	2846	291.50		Tank Pumped
12/20/2021	4	71	71			84574	
12/27/2021	56	2905	2834	2905	404.86		Tank Pumped
12/30/2021	29	1256	1256		418.67	85030	
							Year End=
							187,385
1/3/2022	51	2606	1350	2606	337.50		Tank Pumped
1/7/2022	31	1375	1375		343.75	85618	
1/10/2022	49	2484	1109	2484	369.67		Tank Pumped
1/14/2022	30.5	1345	1345		336.25	86115	
1/17/2022	47	2361	1016	2361	338.67		Tank Pumped
1/18/2022	15	497	497		497.00	86416	
1/31/2022	41	1989	1492	1989	114.77		Tank Pumped
1/31/2022	0	0	0		-	87363	
2/7/2022	39	1865	1865	1865	266.43		Tank Pumped
2/11/2022	30	1316	1316		329.00	88133	
2/14/2022	41.5	2021	705	2021	235.00		Tank Pumped
2/16/2022	17	594	594		297.00	88502	
2/25/2022	23	912	2354	2036	261.56		Tank Pumped
3/4/2022	23	912	1680	1680	240.00	89583	Tank Pumped
3/9/2022	14	450	1527	1989	305.40		Tank Pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
3/18/2022	52	2667	4082	1865	453.56	90439	Tank Pumped
3/21/2022	3	47	1480	4100	493.33		Tank Pumped
3/31/2022	34	1557	5610	4100	561.00	91005	Tank Pumped
4/4/2022	62	3426	1869		467.25		
4/13/2022	42	2051	10033	11708	1114.78	91499	Tank Pumped
4/22/2022	24	967	3758	4842	417.56		Tank Pumped
4/29/2022	17	594	6372	6151	910.29	92335	Tank Pumped
5/6/2022	23	912	7439	6527	1062.71		Tank Pumped
5/11/2022	35	1618	3784	30778	756.80	92706	Tank Pumped
5/19/2022	51	2606	9188	8200	1148.50		Tank Pumped
5/26/2022	43	2113	4961	5454	708.71	93341	Tank Pumped
6/3/2022	37	1741	3728	4100	466.00		Tank Pumped
6/9/2022	4	71	4446	6089	741.00	93726	Tank Pumped
6/13/2022	54	2787	4705	1989	1176.25		Tank Pumped
6/24/2022	16	545	4833	7075	439.36	94387	Tank Pumped
7/1/2022	3	47	198	696	28.29		Tank Pumped
7/8/2022	7	163	116		16.57	94969	
7/14/2022	7	163	0		0.00		
7/22/2022	14	450	379		47.38	95553	
7/28/2022	16	545	95		15.83		
8/5/2022	18	645	100		12.50	96154	
8/8/2022	19	696	51		17.00		
8/16/2022	21	802	106		13.25	96618	
8/24/2022	22.5	884	82		10.25		
8/31/2022	28.75	1241	357		51.00	97242	
9/7/2022	31	1375	134		19.14		
9/16/2022	36	1680	305		33.89	97899	
9/20/2022	32.5	1466	0		0.00		
9/26/2022	34	1557	91		15.17	98316	
10/4/2022	36	1680	123		15.38		
10/10/2022	36	1680	0		0.00	98789	
10/27/2022	6	130	130	1680	7.65		Tank Pumped
11/3/2022	9	236	106		15.14	99970	
11/8/2022	14	450	214		42.80		
11/14/2022	65	3406	2956		0.00	100682	
11/22/2022	11	317	3141	6230	392.63		Tank Pumped
11/30/2022	22	856	3145	2606	393.13	101704	Tank Pumped
12/8/2022	23	912	2540	2484	317.50		Tank Pumped
12/16/2022	39	1865	3126	2175	390.75	102775	Tank Pumped
12/20/2022	36	1680	2482	2667	620.50		Tank Pumped
12/29/2022	3	47	1388	3021	154.22	103607	Tank Pumped
							Year End =
							143,568
1/3/2023	34.5	1588				103935	
1/9/2023				3196	0.00	104297	Tank Pumped
1/18/2023	17	594		3406	0.00	104852	Tank Pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
1/27/2023	30	1316	722	2905	80.22	105450	Tank Pumped
1/30/2023	36	1680	364	2484	121.33	105652	Tank Pumped
2/10/2023	30	1316	364	1542	33.09	106247	Tank Pumped
2/17/2023	84	4100	2784	2299	397.71	106424	Tank Pumped
2/21/2023	30	1316	2784		696.00	106522	
2/28/2023	11	317	999	3558	142.71	106626	Tank Pumped
3/6/2023	57	2963	2646	3594	441.00	106892	Tank Pumped
3/15/2023	47	2361	602	4100	66.89	107101	Tank Pumped
3/21/2023	18	645	1716	4100	286.00	107238	Tank Pumped
3/27/2023	30	1316	671	4100	111.83	107384	Tank Pumped
4/3/2023	84	4100	2784	4100	397.71	107497	Tank Pumped
4/10/2023	18.5	670	3430	9959	490.00	107598	Tank Pumped
4/17/2023	29	1256	586	4100	83.71	107819	Tank Pumped
4/24/2023	24	967	289	12300	41.29	107984	Tank Pumped
5/5/2023	55	2846	1879	12300	170.82	108353	Tank Pumped
5/10/2023	24	967	1879	9585	375.80	108484	Tank Pumped
5/16/2023	1.5	17	950	5780	158.33	108707	Tank Pumped
5/22/2023	0.5	6	11	7063	1.83	108970	Tank Pumped
5/30/2023	8	199	193	8142	24.13	109296	Tank Pumped
6/6/2023	24	967	768	6827	109.71	109578	Tank Pumped
6/12/2023	84	4100	3133	9052	522.17	109828	Tank Pumped
6/19/2023	0	0	4100	2963	585.71	109850	Tank Pumped
6/26/2023	8	199	199		28.43	110135	
7/5/2023	11	317	118		13.11	110499	
7/12/2023	13.5	426	109		15.57	110784	
7/21/2023	15	497	71		7.89	111150	
7/27/2023	16	545	48		8.00	111394	
8/1/2023	29	1256	711		142.20	111606	
8/8/2023	30	1316	60		8.57	111880	
8/15/2023	56	2905	1589		227.00	112099	
8/21/2023	84	4100	1195		199.17	112152	
8/28/2023	84	4100	0		0.00	112156	
9/5/2023	84	4100	0		0.00	112161	
9/12/2023	84	4100	0		0.00	112165	Tank Pumped
9/18/2023	53.5	2757	1343		223.83	112286	Tank Pumped
9/25/2023	4	71	2686		383.71	112367	Tank Pumped
10/4/2023	27.5	1168	1097	3458	121.89	112724	Tank Pumped
10/11/2023	29.25	1271	103	3458	14.71	113013	Tank Pumped
10/25/2023	52	2667	1396	3594	99.71	113513	Tank Pumped
10/30/2023	22.5	884	1783	4100	356.60	113552	Tank Pumped
11/8/2023	25	1024	140	4100	15.56	113830	Tank Pumped
11/17/2023	43	2113	1089	3300	121.00	114201	Tank Pumped
11/21/2023	79	4003	1890	4100	472.50	114370	Tank Pumped
11/29/2023	22	856	3147	2423	393.38	114680	Tank Pumped
12/6/2023	25	1024	168	3300	24.00	114977	Tank Pumped
12/15/2023	15.5	520	504	4100	56.00	115322	Tank Pumped

TABLE 2

WEEKLY LEACHATE/CONDENSATE MONITORING

Junker Sanitary Landfill FID #656026800

DATE	DEPTH IN TANK (INCHES)	VOLUME IN TANK (GALLONS)	CHANGE IN VOLUME (GALLONS)	VOLUME REMOVED (GALLONS)	AVERAGE DAILY LIQUID GENERATION RATE (GALLONS)	POWER METER READING (kwHr)	COMMENTS
12/22/2023	34	1557	1037	1865	148.14	115616	Tank Pumped
12/28/2023	28	1197	360	4100	60.00	115785	Tank Pumped
							Year End=
							169,353

TABLE 3.a.

SUMMARY OF LEACHATE/CONDENSATE ANALYTICAL RESULTS

Junker Sanitary Landfill FID #656026800

PARAMETER	UNITS	SAMPLE DATE										
		6/24/2013	6/25/2014	2/16/2015	6/15/2016	6/5/2017	6/25/2018	6/17/2019	6/23/2020	6/17/2021	6/29/2022	6/7/2023
Specific conductivity	*umhos/cm*	810	510	5550	3700	3500	2110	771	689	499	1995	1887
pH (field)		8.5	7.3	7.4	6.6	14.1	6.73	6.67	6.59	7.03	7.23	7.03
COD	*mg/L*	180	250	950	500	840	419	1000	442	806	772	274
BOD (48 Hour)	*mg/L*	94	53	320	61	65	26.2	18.1	28.3	51	173	16.1 b*
Alkaliniity, Total	*mg/L*	<1.1	150	2300	-	1500	-	267	1650	1710	613	1570
Total Suspended Solids	*mg/L*	25	44	24	40	270	128	903	125	1750	1180	81.4
Total Phosphorous	*mg/L*	0.96	2.6	0.94	1.3	19	0.23	28.1	3.8	5.3	0.88	0.39
Chloride	*mg/L*	34	3.4	860	620	300	1230	27.5	422	**408**	150	325
Total Iron	*mg/L*	88	11	6.5	13	27	10.9	161	94.6	**2520**	320	21.7
Total Manganese	*mg/L*	0.59	0.023	0.27	0.48	1.2	0.49	1.5	0.75	**3.2**	1.5	0.89
Cyanide	*mg/L*	<0.0012	<0.0012	0.0042	0.0037	<0.0030	<0.0030	<0.0030	<0.0030	0.0045	0.012	0.0058
Nitrogen, total Kjeldahl	*mg/L*	15	14	170	120	100	122	34.6	142	227	95.7	122 B
Arsenic	*µg/L*	5.8	<2.6	9.9	<3.8	10	<3.7	18	13	**100**	0.039	0.0075 J
Cadmium	*µg/L*	1.5	<0.26	<0.94	1.4 J	0.64 J	0.91 J B	0.74 J	<0.43	<4.3	<0.43	<0.00043
Chromium	*µg/L*	7.8	2.7	6.6	4.9 J	5.2 J	5.3	12	12	98	40	<0.0017
Copper	*µg/L*	1200	100	6.4	1.4 B	4.9 J	6.3 J B	69	68	120	500	0.0070 JB
Lead	*µg/L*	35	9.3	<2.5	1.6	<2.7	4.6 J	7.9	14	<27	21	<0.0027
Mercury	*µg/L*	<6.4	<0.072	<0.061	<0.11	<0.098	<0.098	<0.098	0.14 J	0.18	0.16 J	<0.000079
Molybdenum	*µg/L*	<2.1	2.9	<2.2	<2.2	<3.8	<3.8	<3.8	<3.8	<38	<3.8	<0.0038
Nickel	*µg/L*	10	2.9	56	28	13	19	8.2 J	27	48	21	0.014
Selenium	*µg/L*	<4.6	<4.6	<4.6	<4.6	<5.3	<5.3	<5.3	<5.3	<53	<5.3	<0.0053
Silver	*µg/L*	<0.57	<0.57	<1.3	<1.3	<1.5	<1.5	<1.5	<1.5	43	<1.5	<0.0015
Zinc	*µg/L*	330	29	<9.3	67	9.4 J B	<5.0	26	440	350	290	<0.0050
VOCs												
Benzene	*µg/L*	<0.074	<0.074	6.6	3.1	5.8	<0.15	<0.15	<0.15	0.21	<0.73	0.56
n-Butylbenzene	*µg/L*	<0.13	<0.13	<0.13	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<1.9	<0.39
sec-Butylbenzene	*µg/L*	<0.15	<0.15	<0.15	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<2.0	<0.40
Chlorobenzene	*µg/L*	<0.14	<0.14	1.8	0.83	1.2	<0.39	<0.39	<0.39	0.62	<1.9	0.99 J
Chloroethane	*µg/L*	<0.34	<0.34	<0.34	<0.51	0.67	<0.51	<0.51	<0.51	<0.51	<2.5	<0.51
Chloromethane	*µg/L*	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<1.6	1.9 JB
1,4-Dichlorobenzene	*µg/L*	<0.15	<0.15	7.9	3.4	5.5	<0.36	<0.79	<0.79	2.1	<1.8	2.2
Dichlorodiflouromethane	*µg/L*	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<3.4	<0.67
1,1-Dichloroethane	*µg/L*	<0.19	<0.19	1.9	1.4	2.9	<0.41	<0.41	2.4	<0.41	<2.1	<0.41
1,2-Dichloropropane	*µg/L*	<0.50	<0.50	2.7	1.9	1.9	<0.43	<0.43	1	<0.43	<2.1	<0.43
2,2-Dichloropropane	*µg/L*	-	-	-	-	-	-	-	0.82 J	0.82	<2.2	<0.44
1,2-Dichloroethane	*µg/L*	<0.28	<0.28	3.6	2.9	2.9	<0.39	1.2	2.4	<0.39	<2.0	<0.39
1,1-Dichloroethene	*µg/L*	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.41	<0.41	<0.39	<2.1	<0.39
cis-1,2-Dichloroethene	*µg/L*	2.1	1.5	43	31	27	<0.41	0.82	17	<0.41	<2.0	<0.41
trans-1,2-Dichloroethene	*µg/L*	<0.25	<0.25	0.57	<0.35	0.42	<0.35	<0.35	<0.35	<0.35	<1.7	<0.35
Ethylbenzene	*µg/L*	2.1	<0.13	79	23	<0.18	<0.18	1.3	<0.18	2.2	1.2 J	1.3
Isopropylbenzene	*µg/L*	<0.14	<0.14	1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<1.9	<0.39
p-Isopropyltoluene	*µg/L*	<0.17	<0.17	7.8	3.7	<0.36	2.3	5.4	1.9	2.4	6	2.3
Methylene Chloride	*µg/L*	<0.68	<0.68	11	5.5	13	<1.6	<1.6	<1.6	1.8	<8.2	<1.6
Methyl ethyl ketone (MEK)	*µg/L*	-	-	-	-	-	-	37	190	<2.1	210	4.5
Naphthalene	*µg/L*	<0.16	<0.16	14	2.1	3.4	<0.34	0.73	0.89 J	1.8	4.5 J B	1.6
n-Propylbenzene	*µg/L*	<0.13	<0.13	<0.13	<0.39	<0.41	<0.41	<0.41	<0.41	<0.41	<2.1	<0.41
p-Dichlorobenzene	*µg/L*	-	-	-	-	-	-	1.4	1.2	-	-	<0.40
Styrene	*µg/L*	-	-	-	-	-	-	0.78 J	<0.39	0.75	<1.9	<0.39
Tetrachloroethene	*µg/L*	0.88	0.73	21	13	13	2.2	2.3	7.9	<0.37	<1.9 *	<0.37
Tetrahydrofuran	*µg/L*	-	-	-	-	-	-	4500	1200	**990**	**2000**	**360**
Toluene	*µg/L*	4	0.55	470	170	300	0.28	2.9	4.3	6.8	3.2	2.1
1,1,1-Trichloroethane	*µg/L*	<0.2	<0.2	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<1.9	<0.38
Trichloroethene	*µg/L*	0.73	0.46	14	5.6	9.9	0.5	1.3	3.7	<0.16	<0.82	<0.16
Trichlorofluoromethane	*µg/L*	<0.19	<0.19	<0.19	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<2.1	<0.43
1,2,4-Trimethylbenzene	*µg/L*	<0.14	<0.14	11	5.4	6.3	<0.36	1.2	<0.36	<0.36	4.1 J	1.2
1,3,5-Trimethylbenzene	*µg/L*	0.4	<0.18	7.7	2.5	6.6	2	2.6	2.8	1.6	4.2 J	2.1
Vinyl Chloride	*µg/L*	<0.1	<0.1	2.2	1.7	1.9	<0.20	<0.20	<0.20	<0.20	<1.0	<0.20
Xylenes, Total	*µg/L*	11	<0.068	440	220	420	4.1	35	60	28	15	30
Total VOCs	*µg/L*	**21.21**	**3.24**	**1146.77**	**497.03**	**822.39**	**11.38**	**4593.15**	**1494.60**	**1039.1**	**2234.2**	**407.86**

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

J - Reported value was between the limit of detection and the limit of quantitation

B - Compound was found in the blank

TABLE 3.b.

SUMMARY OF LEACHATE/CONDENSATE SVOC ANALYTICAL RESULTS

Junker Sanitary Landfill FID #656026800

PARAMETER	SAMPLE DATE										
Semi-Volatiles in µg/L	6/24/2013	6/25/2014	2/16/2015	6/15/2016	6/5/2017	6/25/2018	6/17/2019	6/23/2020	6/17/2021	6/29/2022	6/7/2023
1,2,4-Trichlorobenzene	<0.15	<0.20	<0.93	<0.91	<0.34	<0.34	<0.89	<0.34	<0.34	<2.1	<0.19
1,2-Dichlorobenzene	<0.11	<0.21	<0.97	<0.95	0.55	<0.33	<0.93	<0.18	<0.19	<2.2	<0.20
1,3-Dichlorobenzene	<0.17	<0.18	<0.82	<0.80	<0.40	<0.40	<0.79	<0.15	<0.16	<1.9	<0.17
1,4-Dichlorobenzene	<0.58	<0.18	<0.82	<0.80	5.5	<0.36	<0.79	<0.15	0.92	<1.9	1.2 J
2,2'-oxybis[1-chloropropane]	<0.14	<0.33	<1.5	<1.5	<0.31	<0.31	<1.4	<0.28	<0.29	<3.4 ^c	<0.30
2,4,5-Trichlorophenol	<1.4	<2.2	<10	<9.8	<2.1	<2.1	<9.7	<1.9	<1.9	<23	<2.0
2,4,6-Trichlorophenol	<0.52	<0.62	<2.8	<2.8	<0.58	<0.59	<2.7	<0.53	<0.54	<6.4 *	<0.57
2,4-Dichlorophenol	<0.94	<2.2	<10	<10	<2.1	<2.1	<9.8	<1.9	<2.0	<23 *	<2.1
2,4-Dimethylphenol	<1.5	<1.5	<7.1	<6.9	4.8	<1.5	<6.8	<1.3	11	34 J	4.6 J
2,4-Dinitrophenol	<0.82	<7.4	<34	<33	<6.9	<7.1	<32	<6.3	<6.5	<76 ^c	<6.9 ^c
2,4-Dinitrotoluene	<0.16	<0.21	<0.96	<0.94	<0.20	<0.20	<0.92	<0.18	<0.19	<2.2	<0.20
2,6-Dinitrotoluene	<0.077	<0.063	<0.29	<0.28	<0.06	<0.061	<0.28	<0.054	<0.056	<0.65	<0.059
2-Chloronaphthalene	<0.13	<0.20	<0.92	<0.90	<0.19	<0.19	<0.89	<0.17	<0.18	<2.1	<0.19
2-Chlorophenol	<0.50	<0.48	<2.2	<2.1	<0.45	<0.46	<2.1	<0.41	<0.42	<5.0	<0.45
1-Methylnaphthalene	-	-	-	-	-	-	-	0.54 J	<0.23	-	-
2-Methylnaphthalene	<0.066	<0.056	<0.26	0.58	1.1	<0.054	0.83	<0.048 ^c*	<0.049	<0.58	0.14 J ^c
2-Methylphenol	0.65	<0.26	10	8	7.1	<0.25	<1.1	<0.22	<0.23	26	<0.24
2-Nitroaniline	<0.90	<1.1	<5.0	<4.9	<1.0	<1.1	<4.9	<0.95	<0.97	<11	<1.0 ^c
2-Nitrophenol	<1.1	<2.1	<9.8	<9.6	<2.0	<2.1	<9.4	<1.8	<1.9	<22	<2.0 ^c
3 & 4 Methylphenol	2.7	<0.39	9.5	4	8.9	<0.37	<1.7.	<0.33	<0.34	13 J	<0.36
3,3'-Dichlorobenzidine	<0.51	<1.5	<6.7	<6.6	<1.4	<1.4	<6.5	<1.3	<1.3	<15 *	<1.4
3-Nitroaniline	<0.89	<1.5	<7.0	<6.9	<1.4	<1.5	<6.7	<1.3	<1.4	<16	<1.4
4,6-Dinitro-2-methylphenol	<1.4	<5.1	<23	<23	<4.8	<4.9	<22	<4.3	<4.5	<52	<4.7
4-Bromophenyl phenyl ether	<0.41	<0.46	<2.1	<2.1	<0.44	<0.45	<2.0	<0.40	<0.41	<4.8	<0.43
4-Chloro-3-methylphenol	<1.1	<2.0	<9.0	<8.8	<1.9	<1.9	260	<1.7	<1.7	<20	<1.8
4-Chloroaniline	<1.7	<1.7	<7.9	<7.7	<1.6	<1.7	<7.6	<1.5	<1.5	<18	<1.6
4-Chlorophenyl phenyl ether	<0.54	<0.55	<2.5	<2.4	<0.51	<0.53	<2.4	<0.47	<0.48	<5.6	<0.51
4-Nitroaniline	<2.0	<1.4	<6.5	<6.4	<1.3	<1.4	<6.3	<1.2	<1.3	<15	<1.3
4-Nitrophenol	<1.8	<6.4	<29	<29	<6.0	<6.1	<28	<5.5	<5.6	<66	<5.9
Acenaphthene	<0.097	<0.27	<1.2	<1.2	0.31	<0.26	<1.2	0.27 J	<0.23	<2.7	<0.25
Acenaphthylene	<0.11	<0.23	<1.0	<1.0	<0.22	<0.22	<1.0	<0.20	<0.20	<2.4	<0.21
Anthracene	<0.15	<0.29	<1.3	<1.3	<0.27	<0.28	<1.3	<0.25	0.31	<3.0	<0.27
Benzo[a]anthracene	<0.051	<0.049	<0.22	<0.22	0.084	<0.047	<0.21	<0.042	<0.043	<0.50 *	<0.045
Benzo[a]pyrene	<0.059	<0.085	<0.39	<0.38	<0.080	<0.082	<0.37	<0.073	<0.075	<0.88 *	<0.079
Benzo[b]fluoranthene	<0.064	<0.069	<0.32	<0.31	0.098	<0.067	<0.30	<0.059	<0.061	<0.72 *	<0.064
Benzo[g,h,i]perylene	<0.38	<0.32	<1.5	<1.4	<0.30	<0.31	<1.4	<0.28	<0.28	<3.3 *	<0.30 ^c
Benzo[k]fluoranthene	<0.13	<0.055	<0.25	<0.25	<0.052	<0.053	<0.24	<0.047	<0.048	<0.57 *	<0.051
Benzoic acid	<2.4	<5.0	<23	<22	<4.7	<4.8	<22	<4.2	<4.4	<51	<4.6
Benzyl alcohol	<2.0	<5.2	29	<23	<4.9	<5.0	39	<4.4	<4.6	<54	<4.8
Bis(2-chloroethoxy)methane	<0.17	<0.24	<1.1	<1.1	<0.23	<0.23	68	<0.21	<0.21	<2.5	<0.23
Bis(2-chloroethyl)ether	<0.17	<0.25	<1.1	<1.1	<0.24	<0.24	<1.1	<0.22	<0.22	2.7 J ^c	<0.23
Bis(2-ethylhexyl) phthalate	1.8	<1.5	<6.7	<6.6	6.3	<1.4	17	11	4.4	<15 *	1.8 J ^c
Butyl benzyl phthalate	<0.21	<0.41	<1.9	<1.8	<0.39	<0.40	<1.8	<0.35	<0.36	<4.3 *	<0.38
Carbazole	<0.51	<0.30	<1.4	<1.4	0.55	<0.29	<1.3	<0.26	7.5	<3.1 ^c	<0.28
Chrysene	<0.073	<0.059	<0.27	<0.26	0.095	<0.056	<0.26	<0.050	<0.052	<0.60 *	<0.054
Dibenzo(a,h)anthracene	<0.089	<0.044	<0.20	<0.19	<0.041	<0.042	<0.19	<0.037	<0.038	<0.45 *	<0.041 ^c
Dibenzofuran	<0.13	<0.23	<1.0	<1.0	<0.21	<0.22	1.1	<0.19	<0.20	<2.3	<0.21
Diethyl phthalate	<0.14	<0.31	<1.4	<1.4	<0.29	0.55	2.2	<0.27	<0.27	<3.2 *	<0.29
Dimethyl phthalate	<0.13	<0.27	<1.2	<1.2	<0.25	<0.26	<1.2	<0.23	<0.24	<2.8	<0.25
Di-n-butyl phthalate	<0.64	<0.63	<2.9	<2.8	<0.59	<0.60	<2.8	<0.54	<0.55	<6.5 *	1.0 J
Di-n-octyl phthalate	<1.3	<0.090	<4.1	<4.0	<0.85	<0.87	16	<0.77	<0.79	<9.3 *	<0.84 ^c
Fluoranthene	<0.16	<0.39	<1.8	<1.7	<0.37	<0.38	<1.7	<0.33	<0.34	<4.0	<0.36
Fluorene	<0.13	<0.21	<0.96	<0.94	0.32	<0.20	2	<0.18	<0.18	<2.2	<0.19
Hexachlorobenzene	<0.082	<0.068	<0.31	<0.30	<0.064	<0.066	<0.30	<0.058 *	<0.060	<0.70	<0.0.63
Hexachlorobutadiene	<0.59	<0.44	<2.0	<2.0	<0.42	<0.43	<1.9	<0.38 *	<0.39	<4.6 *	<0.41
Hexachlorocyclopentadiene	<1.5	<5.5	<25	<24	<5.1	<5.3	<24	<4.7	<4.8	<57 ^c	<5.1 ^c
Hexachloroethane	<0.44	<0.51	<2.3	<2.3	<0.48	<0.50	<2.3	<0.44	<0.45	<5.3	<0.48
Indeno[1,2,3-cd]pyrene	<0.060	<0.064	<0.29	<0.29	<0.060	<0.062	<0.28	<0.055	<0.057	<0.66 *	<0.060 ^c
Isophorone	120	80	480	98	25	<0.31	4.4	<0.28	<0.28	9.0 J	<0.30
Naphthalene	<0.12	<0.27	7.4	2.1	3.4	0.28	<1.2	<0.23	0.74	<2.7	1.3
Nitrobenzene	<0.16	<0.39	<1.8	<1.7	<0.36	<0.37	<1.7	<0.33	<0.34	<4.0	<0.36
N-Nitrosodi-n-propylamine	<0.19	<0.13	<0.60	<0.59	<0.12	<0.13	<0.58	<0.11	<0.12	<1.4 ^c	<0.12
N-Nitrosodiphenylamine	<0.15	<0.32	<1.5	<1.4	<0.30	<0.31	<1.4	<0.27	<0.28	<3.3	<0.30
Pentachlorophenol	<1.4	<3.4	<15	<15	<3.2	<3.3	<15	<2.9	<3.0	<35 ^c	<3.1 ^c
Phenanthrene	<0.17	<0.26	<1.2	<1.2	<0.24	<0.25	3.1	<0.22	0.34	<2.7	<0.24
Phenol	2	<0.58	12	<2.6	<0.54	<0.55	<2.5	<0.49	<0.51	9.3 J	<0.54 ^c
Pyrene	<0.18	<0.37	<1.7	<1.6	<0.34	<0.35	<1.6	<0.31	<0.32	<3.8 *	<0.34
Total SVOC's	***127.15***	***80***	***547.9***	***112.68***	***64.11***	***0.83***	***413.63***	***11.79***	**25.21**	**26.00**	**1.3**

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

J - Reported value was between the limit of detection and the limit of quantitation

TABLE 4
SYSTEM MONITORING
Junker Sanitary Landfill FID #656026800

	WEATHER				BLOWER/HEADER					GAS TO FLARE								TECHNICIAN	COMMENTS
DATE	AMB. TEMP. °F	BARO PRESS AND TREND in Hg	BARO PRESS AND TREND mm Hg	BARO PRESS TREND	HEADER LINE VAC in H2O	INLET VAC in H2O	DISCHARGE PRESSURE in H2O	VFD CONDITION %	POWER METER READING KwhR	PRESSURE in H2O	TEMP °F	METHANE %	CARBON DIOXIDE %	OXYGEN %	BALANCE GAS %	VELOCITY feet/min	FLOW cubic ft/min		
1/6/2012	36	29.73 S			-24	-48	0.20			-0.03	101	29.4%	23.1%	1.2%	46.3%	420	84.252	apc	flare off
1/10/2012	48	29.85 F			-20.7	-48	0.20				111	33.5%	27.1%	0.1%	39.3%	350	70.21	APC	flare off
1/16/2012	33	29.81 R			-18	-48	0.20			0.01	101	29.5%	27.0%	0.0%	43.5%	400	80.24	apc	flare off
1/23/2012	25	29.58 R			-20.7	-48	0.20			0.02	107	28.0%	26.5%	0.4%	45.1%	400	80.24	apc	flare off
2/2/2012	36	30.29 R			-18	-48	0.20			0.02	104	22.0%	24.1%	0.3%	53.6%	425	85.255	apc	flare off
2/7/2012	27	30.5 S			-18.4	-48	0.20			0.20	102	21.6%	24.5%	0.4%	53.5%	400	80.24	apc	flare off
2/17/2012	35	29.97 S			-18.7	-48	0.20				106	24.2%	25.3%	0.3%	50.2%	400	80.24	apc	
2/21/2012	35	29.57 S			-18.8	-48	0.20			-0.03	103	23.9%	24.9%	0.2%	51.0%	400	80.24	apc	flare off
2/27/2012	28	30.354 R			-19.5	-48	0.20				101	19.0%	23.5%	0.5%	57.0%	400	80.24	apc	flare off
3/21/2012	60	29.96 R				-46	0.32			-0.03	107	19.8%	24.4%	3.0%	52.8%	400	80.24	RDS	flare off
3/27/2012	68	28.54 R				-45	0.07				108	33.9%	28.8%	1.1%	36.3%	400	80.24	RDS	flare off
4/4/2012	66	28.90 S				-46	0.08			0.01		26.3%	24.0%	2.0%	47.7%	400	80.24	SEM	flare off
4/11/2012	43	29.26 S				-46	0.17			0.02	110	22.0%	22.3%	3.6%	52.1%	425	85.255	SEM	flare off
4/18/2012	60	28.74				-44	0.02			0.02	123	23.3%	23.6%	3.3%	49.8%	912.3	183.00738	SEM/RDS	flare off
4/25/2012	52	28.47 F				-43	0.20			0.20	99	26.2%	25.3%	3.0%	45.5%	900	180.54	SEM/RDS	flare off
5/2/2012	71	28.64 S				-44	0.02			0.20	136	23.8%	24.1%	3.2%	48.9%		144	RDS	flare off
5/9/2012	58	28.89 S				-43.5				0.00	122	23.9%	24.7%	2.9%	48.5%		188	RDS	flare off
5/16/2012	58	29.04 S				-43				0.20	126	21.0%	24.4%	3.1%	51.5%		67	RDS	flare off
5/25/2012	72	28.87R				-43				0.20	134	19.9%	23.8%	3.2%	53.1%		95	RDS	flare off
5/29/2012	60	28.68R				-43.25				0.10	121	22.7%	24.3%	3.0%	50.0%		135	RDS	flare off
6/5/2012	75	28.89S				-43.25				0.30	137	16.9%	16.0%	8.5%	58.6%		64	RDS	flare off
6/13/2012	68	28.99S				-43.25				0.30	125	16.7%	18.3%	7.8%	57.2%		116	RDS	flare off
6/22/2012	84	28.89S				-43.25				0.30	143	17.5%	18.8%	6.6%	57.1%		144	RDS	flare off
6/25/2012	77	28.98S				-43.25				0.30	140	16.8%	16.5%	8.1%	58.6%		91	RDS	flare off
7/3/2012	85	28.67S				-43.25				0.30	135	17.7%	18.1%	7.7%	56.5%		77	RDS	flare off
7/9/2012	83	30.15S				-43.25				0.30	138	17.1%	17.8%	8.3%	56.8%		80	RDS	flare off
7/19/2012	74	28.76S				-43.25				0.30	122	16.0%	18.2%	7.2%	58.6%		93	RDS	flare off
7/23/2012	92	28.80F				-43				0.40	151	17.7%	20.7%	5.6%	56.0%		74	RDS	flare off
7/30/2012	73	28.78S				-43				0.40	131	18.6%	18.0%	7.8%	55.6%		125	RDS	flare off
8/6/2012	67	28.98S				-43				0.40	130	23.9%	25.2%	2.7%	48.2%		87	RDS	flare off
8/15/2012	69	28.71F				-43				0.40	120	24.7%	26.4%	1.9%	47.0%		121	RDS	flare off
8/20/2012	72	28.89S				-43				0.50	140	22.4%	25.7%	1.7%	50.2%		93	RDS	flare off
8/27/2012	73	29.00S				-43				0.50	132	19.3%	25.1%	1.9%	53.7%		90	RDS	flare off
9/4/2012	92	28.67S				-43				0.50	141	20.5%	25.6%	1.6%	52.3%		113	RDS	flare off
9/10/2012	69	28.89F				-43				0.50	128	19.2%	24.6%	1.7%	54.5%		56	RDS	flare off
9/17/2012	56	28.83S				-43				0.50	117	18.6%	25.0%	1.8%	54.6%		98	RDS	flare off
9/25/2012	64	28.77R				-43				0.40	121	16.7%	24.3%	1.8%	57.2%		108	RDS	flare off
10/1/2012	62	28.77S				-43				0.40	114	15.7%	24.1%	1.9%	58.3%		131	RDS	flare off
10/18/2012	44	29.25R			System shut down blower failure													RDS	
10/22/2012	60	28.76R			System shut down blower failure													RDS	
10/31/2012	40	30.00F			System shut down blower failure													RDS	
11/7/2012	39	29.03F			System shut down blower failure													RDS	
11/13/2012	36	30.15F			System shut down blower failure													RDS	
11/19/2012	50	30.06S			System shut down blower failure													RDS	
11/27/2012	25	30.20F			System shut down blower failure													RDS	
12/7/2012	34	30.03S			System shut down blower failure													RDS	
12/12/2012	24	29.9F			System shut down blower failure													RDS	
12/19/2012	28	29.99S			System shut down blower failure													RDS	
12/27/2012	20	30.25F			System shut down blower failure													RDS	

TABLE 4
SYSTEM MONITORING
Junker Sanitary Landfill FID #656026800

	WEATHER				BLOWER/HEADER					GAS TO FLARE								TECHNICIAN	COMMENTS
DATE	AMB. TEMP. °F	BARO PRESS AND TREND in Hg	BARO PRESS AND TREND mm Hg	BARO PRESS TREND	HEADER LINE VAC in H2O	INLET VAC in H2O	DISCHARGE PRESSURE in H2O	VFD CONDITION %	POWER METER READING KwhR	PRESSURE in H2O	TEMP °F	METHANE %	CARBON DIOXIDE %	OXYGEN %	BALANCE GAS %	VELOCITY feet/min	FLOW cubic ft/min		
1/2/2013	14	29.95S			System shut down blower failure													RDS	
1/8/2013	32	29.83F			System shut down blower failure													RDS	
1/15/2013	22	29.00S			System shut down blower failure													RDS	
1/23/2013	11	30.17S			System shut down blower failure													RDS	
2/8/2013	16	30.36S			System shut down blower failure													RDS	
2/12/2013	26	29.90F			System shut down blower failure													RDS	
2/27/2013	35	29.90R			System shut down blower failure													RDS	
3/7/2013	38	30.35S			System shut down blower failure													RDS	
3/13/2013	32	30.30S			System shut down blower failure														
3/28/2013	32	30.34S			System shut down blower failure													RDS	
4/2/2013	26	30.30S			System shut down blower failure													RDS	
4/9/2013	38	30.05S			System shut down blower failure													RDS	
4/18/2013	33	28.52F			System shut down blower failure													RDS	
4/22/2013	38	30.19S			System shut down blower failure													RDS	
4/29/2013	55	28.60F			System shut down blower failure													RDS	
5/8/2013	60	28.83S			System shut down blower failure													RDS	
5/13/2013	50	28.81S			System shut down blower failure													RDS	
5/22/2013	53	28.59R				NA		50		0.00	61	34.9%	24.3%	6.3%	34.4%		116	RDS	
5/29/2013	70	28.63F				NA		50		0.00	82	30.9%	20.4%	7.0%	41.7%		132	RDS	
6/6/2013	58	28.88S				NA		50		0.20	77	46.9%	26.6%	4.9%	21.6%		158	RDS	
6/13/2013	73	28.93S				NA		50		0.20	83	39.4%	25.9%	3.6%	31.1%		261	RDS	
6/18/2013	65	28.93S				NA		50		0.10	73	37.0%	26.1%	3.5%	33.4%		122	RDS	
6/25/2013	80	28.64S				NA		50		0.80	86	38.2%	28.6%	1.0%	32.2%		144	RDS	
7/2/2013	79	28.96S				NA		70		0.80	90	31.4%	27.2%	1.2%	40.2%		204	RDS	
7/8/2013	82	28.85S				NA		70		0.80	89	26.5%	27.0%	1.4%	45.1%		204	RDS	
7/17/2013	90	29.09S				NA		70		0.90	91	22.3%	26.2%	1.3%	50.2%		110	RDS	
7/26/2013	63	28.78S				NA		40		0.80	80	20.1%	26.3%	1.0%	52.6%		169	RDS	
8/1/2013	74	28.87S				NA		40		0.20	88	22.0%	26.1%	1.3%	50.6%		113	RDS	
8/8/2013	72	28.89S				NA		40		0.20	82	22.3%	26.6%	1.4%	49.7%		116	RDS	
8/13/2013	70	29.02S				NA		40		0.20	86	22.7%	25.9%	1.5%	49.9%		257	RDS	
8/19/2013	70	28.85S				NA		40		0.20	77	24.5%	26.8%	1.3%	47.4%		165	RDS	
8/27/2013	90	28.68S				NA		40		0.20	91	25.3%	26.9%	1.1%	46.7%		115	RDS	
9/3/2013	71	28.89S				NA		40		0.10	82	24.3%	26.7%	1.2%	47.8%		138	RDS	
9/11/2013	82	28.86S				NA		40		0.40	78	23.4%	26.7%	1.0%	48.9%		100	RDS	
9/17/2013	70	28.95F				NA		40		0.40	76	24.1%	26.3%	1.0%	48.6%		205	RDS	
9/24/2013	52	28.82S				NA		40		0.30	76	19.6%	24.2%	3.0%	53.2%		115	RDS	
10/2/2013	72	28.87S				NA		40		0.40	75	20.0%	26.3%	1.0%	52.7%		69	RDS	
10/8/2013	64	28.73F				NA		40		0.30	62	20.5%	26.3%	1.3%	51.9%		43	RDS	
10/15/2013	52	28.51F				NA		40		0.30	59	23.0%	26.8%	1.1%	49.1%		51	RDS	
10/24/2013	39	29.05R				NA		40		0.40	60	19.4%	25.6%	1.3%	53.7%		85	RDS	
10/28/2013	42	29.2R				NA		40		0.30	52	19.3%	25.6%	1.2%	53.9%		84	RDS	
11/4/2013	42	28.71S				NA		40		0.30	52	21.8%	26.2%	1.1%	50.9%		76	RDS	
11/11/2013	26	29.24R				NA		40		0.40	46	18.4%	24.8%	1.5%	55.3%		61	RDS	
11/19/2013	26	29.01F				NA		40		0.30	41	18.4%	24.0%	2.8%	54.8%		160	RDS	
11/25/2013	38	28.76S				NA		40		0.40	46	22.6%	26.1%	1.2%	50.1%		100	RDS	
12/5/2013	8	30.04R				NA		40		0.40	46	19.2%	24.2%	1.2%	55.4%		76	RDS	
12/13/2013	12	29.04S				NA		40		0.50	47	36.7%	26.3%	4.9%	32.1%		-	RDS	
12/18/2013	26	28.62S				NA		40		0.60	28	43.2%	28.7%	2.0%	26.1%		-	RDS	
12/27/2013	30	28.81F				NA		70		0.30	57	28.0%	26.6%	1.8%	43.6%		370	RDS	

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	WEATHER				BLOWER/HEADER					GAS TO FLARE								TECHNICIAN	COMMENTS
DATE	AMB. TEMP. °F	BARO PRESS AND TREND in Hg	BARO PRESS AND TREND mm Hg	BARO PRESS TREND	HEADER LINE VAC in H2O	INLET VAC in H2O	DISCHARGE PRESSURE in H2O	VFD CONDITION %	POWER METER READING KwhR	PRESSURE in H2O	TEMP °F	METHANE %	CARBON DIOXIDE %	OXYGEN %	BALANCE GAS %	VELOCITY feet/min	FLOW cubic ft/min		
12/30/2013	-7	29.1F				NA		70		0.40	44	20.3%	25.8%	1.7%	52.2%		356	RDS	
1/7/2014	-1	29.01R				NA		70		0.20	47	15.6%	24.4%	2.5%	57.5%		273	RDS	
1/15/2014	3	28.92F				NA		70		0.10	48	10.9%	16.7%	7.6%	64.8%		466	RDS	
1/20/2014	14	28.87R				NA		70		0.20	50	12.9%	21.7%	3.4%	62.0%		336	RDS	
1/29/2014	16	28.66F				NA		70		0.20	47	13.6%	22.5%	2.5%	61.4%		333	RDS	
2/4/2014	9	29.25S				NA		70		0.30	50	13.4%	21.9%	2.3%	62.4%		378	RDS	
2/11/2014	7	29.15F				NA		70		0.10	46	12.5%	22.6%	2.3%	62.6%		288	RDS	
2/18/2014	33	28.42S				NA		70		0.20	52	14.9%	22.9%	2.0%	60.2%		300	RDS	
2/28/2014	6	28.79S				NA		70		0.10	41	12.6%	20.8%	3.4%	63.2%		339	RDS	
3/5/2014	18	29.29R				NA		70		0.10	47	11.8%	21.1%	2.5%	64.6%		310	RDS	
3/11/2014	37	28.69R				NA		70		0.10	53	12.3%	20.9%	2.7%	64.1%		301	RDS	
3/18/2014	30	29.78S			System shut down													RDS	
3/25/2014	18	29.07S				NA		70		0.40	50	12.5%	22.0%	1.9%	63.6%		308	RDS	
4/1/2014	29	28.79R				NA		70		0.20	51	11.0%	23.1%	2.4%	63.5%		196	RDS	
4/8/2014	40	28.80R				NA		70		0.50	55	12.9%	21.2%	2.1%	63.8%		324	RDS	
4/15/2014	30	28.97S				NA		70		0.60	54	8.2%	12.1%	10.6%	69.1%		348	RDS	
4/22/2014	45	28.96S				NA		70		0.10	62	13.6%	20.7%	2.1%	63.6%		325	RDS	
5/1/2014	40	28.64R				NA		70		0.20	60	14.2%	21.3%	1.9%	62.6%		346	RDS	
5/8/2014	60	28.52F				NA		50		-0.20	68	18.5%	21.3%	1.8%	58.4%		248	RDS	
5/14/2014	46	29.10S				NA		50		-0.20	58	16.3%	23.3%	1.4%	59.0%		202	RDS	
5/20/2014	67	28.72S				NA		50		-0.10	72	17.4%	23.2%	0.7%	58.7%		308	RDS	
5/27/2014	69	28.80R				NA		50		-0.10	69	18.5%	23.5%	0.4%	57.6%		333	RDS	
6/3/2014	70	28.80S				NA		50		-0.10	94	18.9%	23.6%	0.4%	57.1%		319	RDS	
6/10/2014	69	28.85F				NA		50		-0.20	74	19.6%	24.2%	0.4%	55.8%		293	RDS	
6/16/2014	82	28.77S				NA		50		-0.10	94	18.9%	23.6%	0.4%	57.1%		422	RDS	
6/25/2014	56	28.93S				NA		50		-0.20	68	20.6%	24.6%	0.4%	54.4%		281	RDS	
7/1/2014	74	28.50R				NA		50		-0.20	90	21.9%	24.8%	0.4%	52.9%		281	RDS	
7/10/2014	75	28.94S				NA		50		-0.10	94	21.6%	24.2%	0.3%	53.9%		341	RDS	
7/15/2014	61	29.94F				NA		50		-0.20	78	21.6%	24.7%	0.4%	53.3%		303	RDS	
7/21/2014	80	28.81S				NA		50		-0.20	96	22.5%	24.6%	0.4%	52.5%		319	RDS	
7/28/2014	68	29.07S				NA		50		-0.10	80	25.2%	25.4%	0.4%	49.0%		322	RDS	
8/5/2014	67	29.00S				NA		50		0.00	81	22.2%	23.6%	0.8%	53.4%		338	RDS	
8/12/2014	72	28.93F				NA		50		0.20	81	20.4%	23.8%	0.6%	55.2%		0	RDS	
8/19/2014	79	28.63S				NA		50		0.30	80	26.5%	25.9%	0.2%	47.4%		0	RDS	
8/29/2014	74	28.69S				NA		50		0.30	77	20.0%	25.2%	0.4%	54.4%		0	RDS	
9/3/2014	62	28.79S				NA		50		0.30	67	16.9%	23.5%	1.5%	58.1%		0	RDS	
9/13/2014	56	29.12F				NA		50		0.30	69	16.8%	24.7%	0.5%	58.0%		0	RDS	
9/19/2014	64	28.75F				NA		50		0.20	70	18.1%	25.4%	0.3%	56.2%		0	RDS	
9/24/2014	55	29.08S				NA		50		0.00	63	17.8%	23.8%	1.3%	57.1%		0	RDS	
10/1/2014	50	29.94R				NA		50	11152	0.00	60	18.9%	25.2%	0.6%	55.4%		158	SEM	
10/7/2014	45	29.54R				NA		65	11214	0.20	51	15.8%	18.9%	6.0%	59.3%		153	SEM	
10/12/2014	60	28.76F				NA		65	11365	0.50	74	17.1%	24.6%	0.6%	57.6%		212	RDS	
10/18/2014	52	29.09S				NA		65	11536	0.50	76	13.4%	23.5%	1.3%	61.8%		136	RDS	
10/25/2014	60	28.89S				NA		65	11734	0.40	73	13.9%	23.6%	1.2%	61.3%		160	RDS	
11/7/2014	38	28.74F				NA		65	12224	0.50	58	15.2%	24.6%	0.6%	59.6%		143	RDS	
11/21/2014	25	28.95F				NA		70	12400	0.40	50	19.0%	23.4%	2.8%	54.8%		251	RDS	
11/25/2014	22	28.91R				NA		70	12561	0.60	59	14.6%	23.3%	1.7%	60.4%		185	RDS	
12/1/2014	5	29.53S				NA		70	12835	0.60	57	12.1%	22.3%	2.1%	63.5%		158	RDS	
12/12/2014	34	29.00S				NA		70	13075	0.10	62	25.2%	25.3%	0.6%	48.9%		85	RDS	

TABLE 4
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	WEATHER				BLOWER/HEADER					GAS TO FLARE								TECHNICIAN	COMMENTS
DATE	AMB. TEMP. °F	BARO PRESS AND TREND in Hg	BARO PRESS AND TREND mm Hg	BARO PRESS TREND	HEADER LINE VAC in H2O	INLET VAC in H2O	DISCHARGE PRESSURE in H2O	VFD CONDITION %	POWER METER READING KwhR	PRESSURE in H2O	TEMP °F	METHANE %	CARBON DIOXIDE %	OXYGEN %	BALANCE GAS %	VELOCITY feet/min	FLOW cubic ft/min		
12/18/2014	22	29.16S				NA		70	13253	0.10	61	17.2%	24.7%	0.8%	57.3%		129	RDS	
12/23/2014	32	28.56R				NA		70	13493	0.10	51	19.0%	25.8%	0.7%	54.5%		0	RDS	
1/2/2015	13	29.05F				NA		70	14065	0.10	57	16.5%	24.3%	1.1%	58.1%		43	RDS	
1/6/2015	-2	29.16S				NA		70	14316	0.00	53	16.9%	24.0%	1.1%	58.0%		0	SEM	
1/15/2015	30	28.79S				NA		70	15011	0.10	63	17.0%	24.7%	0.9%	57.4%		0	RDS	
1/19/2015	29	28.79F				NA		70	15246	0.10	57	17.4%	23.9%	1.0%	57.7%		0	RDS	
1/30/2015	15	28.29F				NA		70	15902	1.00	51	17.3%	22.8%	1.9%	58.0%		302	RDS	
2/6/2015	20	28.86F				NA		70	16402	1.00	50	13.2%	21.6%	3.0%	62.2%		257	RDS	
2/12/2015	-2	29.43S				NA		70	16807	1.20	49	11.2%	20.3%	3.2%	65.3%		357	RDS	
2/16/2015	9	28.95F				NA		70	17118	1.10	49	12.4%	21.7%	2.1%	63.8%		273	RDS	
2/24/2015	28	28.56R			System shut down													RDS	
3/4/2015	5	30.23R			System shut down													RDS	
3/13/2015	50	28.90S				NA		70	18163	0.20	67	19.2%	25.0%	0.4%	55.4%		357	RDS	
3/20/2015	40	28.88S				NA		70	18485	0.20	65	16.8%	24.3%	0.8%	58.1%		456	RDS	
3/26/2015	29	28.97S				NA		70	18789	0.10	62	16.2%	26.1%	0.9%	56.8%		237	RDS	
4/1/2015	60	28.62F				NA		70	19088	0.20	70	17.5%	24.0%	1.0%	57.5%		287	RDS	
4/7/2015	37	29.03S				NA		70	19303	0.20	60	16.7%	23.6%	1.1%	58.6%		273	RDS	
4/16/2015	55	28.94S				NA		70	19723	0.20	71	15.7%	23.6%	1.0%	59.7%		306	RDS	
4/22/2015	34	28.73S				NA		90	19848	2.30	73	16.5%	18.7%	3.7%	61.1%		489	RDS	
4/29/2015	62	28.92F				NA		70	20105	0.90	65	13.8%	18.4%	5.2%	62.6%		351	RDS	
5/5/2015	67	29.06S				NA		70	20346	1.60	66	9.5%	16.3%	6.4%	67.8%		366	RDS	
5/12/2015	45	28.97R				NA		70	20621	0.10	62	9.1%	18.3%	4.9%	67.7%		440	RDS	
5/22/2015	63	29.09S				NA		70	20994	0.30	69	8.2%	16.6%	5.7%	69.5%		585	RDS	
5/26/2015	62	28.66S				NA		70	21152	0.20	67	10.6%	19.6%	3.1%	66.7%		380	RDS	
6/2/2015	63	28.94S				NA		70	21422	0.10	70	9.2%	18.8%	3.3%	68.7%		240	RDS	
6/10/2015	74	28.70S				NA		80	21736	0.80	81	10.0%	21.0%	0.9%	68.1%		494	RDS	
6/16/2015	70	29.08S				NA		80	22086	0.80	78	7.5%	20.9%	1.1%	70.5%		147	RDS	
6/22/2015	64	28.35S				NA		80	22408	0.00	79	11.5%	22.1%	1.2%	65.2%		398	RDS	
6/30/2015	70	28.82S				NA		80	22831	-0.20	90	7.7%	20.1%	2.2%	70.0%	432	432	RDS	
7/8/2015	70	28.94F				NA		80	23206	-0.70	94	10.2%	21.1%	1.5%	67.2%		435	RDS	
7/14/2015	78	28.68S				NA		80	23485	-0.70	98	10.3%	21.1%	1.8%	66.6%		399	RDS	
7/21/2015	70	28.86S				NA		80	23817	-0.70	98	10.0%	20.5%	2.1%	67.4%		548	RDS	
7/27/2015	81	28.87S				NA		80	24103	-0.60	98	4.7%	13.5%	7.9%	73.9%		436	RDS	
8/4/2015	75	28.89S				NA		80	24534	0.30	86	11.7%	22.5%	1.6%	64.2%		349	RDS	
8/11/2015	78	29.04S				NA		80	24913	-0.20	94	7.4%	19.6%	2.7%	70.3%		411	RDS	
8/21/2015	74	28.77F				NA		80	25091	0.50	80	17.5%	21.8%	1.8%	58.9%		396	RDS	
8/25/2015	69	28.95R				NA		80	25172	0.50	87	18.0%	23.4%	5.0%	58.1%		428	RDS	
9/3/2015	78	28.82S				NA		70	25657	0.00	81	11.0%	22.4%	1.3%	65.3%		382	RDS	
9/9/2015	69	25.85S				NA		70	25861	-0.30	80	10.8%	22.1%	1.2%	65.9%		427	RDS	
9/16/2015	80	28.81S				NA		70	26103	-0.10	82	10.3%	22.3%	1.2%	66.2%		359	RDS	
9/24/2015	69	29.12S				NA		70	26380	-0.20	77	10.2%	22.3%	1.2%	66.3%		331	RDS	
9/29/2015	48	29.11R				NA		70	26411	-0.30	69	15.7%	19.6%	3.9%	60.8%		397	RDS	
10/9/2015	50	30.32S				NA		70	26777	0.30	72	4.5%	10.2%	11.8%	73.5%		573	RDS	
10/15/2015	54	28.9S				NA		70	26987	1.00	75	10.9%	22.1%	1.2%	65.8%		377	RDS	
10/22/2015	58	29.16S				NA		70	27235	1.00	58	9.7%	22.8%	1.3%	66.3%		32	SEM	
10/26/2015	57	29.11S				NA		70	27385	0.00	72	10.3%	22.7%	0.1%	66.1%		391	RDS	
11/3/2015	60	28.84F				NA		70	27661	-0.10	70	10.4%	22.7%	0.1%	66.0%		312	RDS	
11/13/2015	39	28.96R				NA		70	28094	0.00	68	11.4%	22.9%	0.1%	65.0%		442	RDS	
11/20/2015	27	29.08R				NA		70	28417	-0.10	63	11.1%	23.2%	0.1%	64.9%		354	RDS	

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	WEATHER				BLOWER/HEADER					GAS TO FLARE								TECHNICIAN	COMMENTS
DATE	AMB. TEMP. °F	BARO PRESS AND TREND in Hg	BARO PRESS AND TREND mm Hg	BARO PRESS TREND	HEADER LINE VAC in H2O	INLET VAC in H2O	DISCHARGE PRESSURE in H2O	VFD CONDITION %	POWER METER READING KwhR	PRESSURE in H2O	TEMP °F	METHANE %	CARBON DIOXIDE %	OXYGEN %	BALANCE GAS %	VELOCITY feet/min	FLOW cubic ft/min		
11/23/2015	46	28.87R				NA		70	28590	0.00	66	11.1%	24.1%	0.1%	64.1%		262	RDS	
12/3/2015	24	29.06S				NA		70	29120	0.80	59	10.6%	22.7%	1.3%	65.4%		160	SEM	
12/11/2015	42	28.63R				NA		70	29537	0.80	63	11.5%	22.9%	0.1%	64.9%		460	RDS	
12/17/2015	27	28.68S				NA		70	29852	0.80	58	12.0%	22.6%	1.1%	64.3%		232	RDS	
12/21/2015	36	28.70S				NA		70	30083	0.70	59	11.7%	23.2%	0.1%	64.2%		293	RDS	
12/28/2015	18	29.09F				NA		70	30479	1.30	52	11.7%	22.7%	0.9%	64.7%		318	RDS	
1/4/2016	32	29.98F				NA		70	30895	1.30	54	10.7%	22.5%	1.0%	65.8%		516	RDS	
1/12/2016	0	28.97R				NA		70	31397	1.10	51	9.8%	22.2%	0.9%	67.1%		322	RDS	
1/19/2016	5	29.30S				NA		70	31870	1.30	50	9.7%	22.2%	0.9%	67.2%		262	RDS	
1/27/2016	33	28.71F				NA		70	32346	1.30	52	11.1%	22.8%	0.5%	65.6%		309	RDS	
2/1/2016	26	28.87R				NA		70	32615	1.40	56	10.5%	21.6%	1.3%	66.6%		483	RDS	
2/10/2016	8	28.99S				NA		70	33100	0.80	50	9.5%	20.4%	1.2%	68.9%		406	RDS	
2/16/2016	34	28.78R				NA		70	33455	0.70	56	9.2%	20.5%	1.0%	69.3%		435	RDS	
2/22/2016	43	28.99F				NA		70	33769	0.90	55	10.4%	20.8%	0.7%	68.1%		351	RDS	
3/1/2016	22	29.04S				NA		70	34172	0.50	53	9.9%	21.7%	1.0%	67.4%		396	RDS	
3/7/2016	63	28.64S				NA		70	34461	0.50	65	11.2%	19.8%	2.7%	66.1%		428	RDS	
3/15/2016	51	28.57R				NA		70	34797	0.10	62	10.7%	19.3%	3.6%	66.4%		448	RDS	
3/22/2016	60	28.63S				NA		70	35114	0.00	66	12.7%	21.5%	1.7%	64.0%		51	SEM	
3/28/2016	47	29.07R				NA		70	35381	-0.20	63	12.2%	21.4%	1.5%	64.9%		335	RDS	
4/4/2016	33	29.23R				NA		70	35674*	0.00	59	8.3%	15.7%	5.9%	70.1%		337	RDS	
4/11/2016	36	28.97R				NA		70	316	-0.20	59	11.9%	21.1%	2.7%	64.3%		309	RDS	
4/26/2016	45	28.97R				NA		70	392	0.00	63	13.4%	22.4%	1.5%	62.7%		392	RDS	
5/2/2016	65	29.00F				NA		70	363	0.00	77	13.2%	20.7%	2.2%	63.9%		363	RDS	
5/9/2016	60	28.81F				NA		70	467	-0.10	71	12.0%	19.2%	3.7%	65.1%		467	RDS	
5/17/2016	56	29.29R				NA		70	1754	-0.20	71	12.3%	20.4%	2.6%	64.7%		373	RDS	
5/24/2016	81	28.85R				NA		70	1990	0.00	84	14.0%	20.8%	2.2%	63.0%		429	RDS	
5/31/2016	71	28.82S				NA		70	2214	0.00	76	14.9%	22.1%	1.4%	61.6%		350	RDS	
6/6/2016	64	28.73R				NA		70	2410	-0.20	77	14.8%	22.1%	1.4%	61.7%		412	RDS	
6/15/2016	70	28.68R				NA		70	2699	8.20	81	5.3%	9.0%	12.4%	73.3%		382	RDS	
6/21/2016	79	28.93F				NA		70	2895	7.80	87	15.0%	21.0%	2.1%	61.9%		302	RDS	
6/28/2016	72	29.22F				NA		70	3114	8.20	83	14.1%	21.8%	1.8%	62.3%		184	RDS	
7/8/2016	70	28.82R				NA		70	3200	0.20	83	21.6%	21.3%	2.4%	54.8%		289	SEM	
7/11/2016	76	28.74F				NA		70	3378	0.10	83	17.5%	23.3%	1.0%	58.2%		252	RDS	
7/21/2016	86	28.86S				NA		70	3691	0.40	87	17.0%	22.7%	1.2%	59.1%		299	RDS	
7/25/2016	82	29.04S				NA		70	3817	0.20	89	14.9%	22.1%	2.0%	61.0%		345	RDS	
8/1/2016	79	29.00F				NA		70	3892	0.20	88	21.6%	15.8%	7.0%	55.6%		238	RDS	
8/9/2016	82	28.89S				NA		70	4146	0.50	89	17.3%	22.1%	1.8%	58.8%		228	RDS	
8/17/2016	78	29.03F				NA		70	4396	0.30	93	18.1%	24.2%	0.8%	56.9%		325	RDS	
8/24/2016	74	28.86R				NA		70	4616	0.20	88	18.2%	24.9%	0.8%	56.1%		317	RDS	
8/29/2016	80	29.21F				NA		70	4775	0.40	88	16.7%	24.6%	1.1%	57.6%		399	RDS	
9/9/2016	70	28.88R				NA		70	4989	0.20	79	24.2%	21.3%	3.8%	50.7%		165	RDS	
9/12/2016	74	28.81S				NA		70	5085	0.20	86	21.1%	25.7%	9.0%	52.3%		146	RDS	
9/20/2016	73	29.09F				NA		70	5097	0.50	85	27.7%	23.1%	3.1%	46.1%		103	RDS	
9/28/2016	60	29.13S				NA		70	5353	1.10	80	21.8%	24.5%	2.9%	50.8%		257	RDS	
10/4/2016	70	28.80R				NA		70	5394	0.40	77	36.1%	28.0%	1.9%	34.1%		289	SEM	
10/10/2016	74	29.00F				NA		70	5598	0.40	80	24.0%	25.6%	2.2%	48.2%		141	SEM	
10/19/2016	54	29.10S				NA		70	5900	0.40	77	19.2%	24.1%	2.9%	53.9%		286	SEM	
10/25/2016	56	29.28F				NA		70	6106	0.80	70	19.3%	24.4%	2.5%	53.8%		239	SEM	
11/1/2016	60	28.85R				NA		70	6339	-	76	17.4%	23.3%	2.9%	56.4%		408	SEM/KAL	
11/9/2016	58	29.26F				NA		70	6569	-	62	26.6%	24.8%	2.4%	46.4%		347	SEM/KJB	
11/25/2016	34	30.29F				NA		70	7488	-	-	22.3%	24.6%	2.2%	51.2%		-	KJB	
12/1/2016	33	28.82R				NA		70	7844	1.10	61	10.0%	21.0%	3.4%	65.6%		27	KJB	

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	WEATHER				BLOWER/HEADER					GAS TO FLARE									
DATE	AMB. TEMP. °F	BARO PRESS AND TREND in Hg	BARO PRESS AND TREND mm Hg	BARO PRESS TREND	HEADER LINE VAC in H2O	INLET VAC in H2O	DISCHARGE PRESSURE in H2O	VFD CONDITION %	POWER METER READING KwhR	PRESSURE in H2O	TEMP °F	METHANE %	CARBON DIOXIDE %	OXYGEN %	BALANCE GAS %	VELOCITY feet/min	FLOW cubic ft/min	TECHNICIAN	COMMENTS
12/8/2016	19	29.70F				NA		70	8314	-	58	9.0%	20.8%	3.2%	67.1%		-	KAL/JAL	
12/14/2016	5	29.07S				NA		70	8748	1.20	53	9.2%	20.4%	2.9%	67.5%		34	KAL/KJB	
12/20/2016	25	28.88R				NA		70	9195	-	56	9.5%	20.6%	2.3%	67.6%		11	KAL	
12/28/2016	30	28.63R				NA		70	9706	-0.30	56	9.8%	23.1%	0.6%	66.5%		205	KAL	
1/3/2017	15	28.98	736.09	R		NA		70	10098	0.10	53	8.3%	21.8%	1.1%	68.8%		150	KAL/KJB	
1/10/2017	25	28.27	718.06	F		NA		70	10660	1.10	-	9.7%	21.8%	0.4%	68.1%		255	KAL	Flow is based on Avg. Flow in 2016
1/16/2017	23	29.02	737.11	S		NA		70	11087	1.00	-	9.3%	21.1%	0.7%	68.9%		255	KAL	Flow is based on Avg. Flow in 2016
1/23/2017	33	28.72	729.49	S		NA		70	11478	1.20	-	8.6%	20.8%	1.0%	69.6%		255	KAL	Flow is based on Avg. Flow in 2016
1/30/2017	21	28.56	725.42	S		NA		70	11889	1.20	-	11.4%	21.8%	0.4%	66.4%		255	KAL	Flow is based on Avg. Flow in 2016
2/6/2017	28	28.63	727.20	F		NA		70	12344	1.60	-	10.2%	21.4%	0.5%	67.9%		255	KAL	Flow is based on Avg. Flow in 2016
2/13/2017	44	28.88	733.55	F		NA		70	12759	1.10	-	10.3%	21.3%	0.5%	67.9%		255	KJB	Flow is based on Avg. Flow in 2016
2/21/2017	58	28.62	726.95	S		NA		70	13209	0.40	-	10.1%	21.2%	0.6%	68.1%		255	KAL	Flow is based on Avg. Flow in 2016
3/3/2017	Extraction system not working																	KAL	Blower Down
3/7/2017																		KAL	Blower Down
3/15/2017	29	29.21	741.93	S		NA		70	13878	1.20	-	14.1%	21.4%	1.3%	63.2%		255	KAL	Flow is based on Avg. Flow in 2016
3/22/2017	37	29.42	747.27	S		NA		70	14203	1.50	-	10.9%	20.6%	1.7%	66.8%		255	KAL	Flow is based on Avg. Flow in 2016
3/28/2017	38	29.01	736.85	R		NA		70	14487	1.40	-	8.8%	21.3%	1.8%	68.1%		255	KAL	Flow is based on Avg. Flow in 2016
4/5/2017	47	30	762.00	S		NA		70	14888	1.60	59	7.9%	21.2%	1.8%	69.1%		87	KAL	
4/11/2017	34	30.25	768.35	S		NA		70	15179	1.70	59	7.2%	21.5%	1.9%	69.4%		179	KAL	
4/15/2017	72	28.67	728.218	S		NA		70	15383	1.80	66	7.8%	20.8%	1.1%	70.3%		411	KAL	
4/28/2017	43	29.95	760.73	R		NA		70	15990	1.30	65	6.8%	20.2%	1.9%	71.1%		310	KAL	
5/5/2017	65	28.84	732.54	R		NA		70	16319	1.30	71	6.4%	20.7%	1.0%	71.9%		283	KJB	
5/8/2017	60	28.85	732.79	F		NA		70	16463	1.50	70	6.6%	20.6%	1.0%	71.8%		66	KAL	
5/17/2017	62	29.56	750.82	S		NA		70	16861	1.80	71	6.7%	21.1%	0.9%	71.3%		402	KAL	
5/24/2017	65	28.63	727.20	S		NA		70	16900	1.30	66	9.7%	21.6%	0.2%	68.5%		402	AMB/CGA	Blower Down
5/31/2017	79	30	762.00	S		NA		70	16905	1.20	79	8.6%	14.4%	7.5%	69.5%		293	KAL	Replaced Fuses
6/5/2017	77	30	762.00	S		NA		70	17096	1.90	73	5.6%	8.9%	12.4%	73.1%		287	KAL/KJB	Condensate Full, automatic shut down
6/17/2017	81	29.62	752.35	S		NA		70	17373	1.70	87	12.0%	17.7%	5.7%	64.6%		410	KAL	Restarted Blower
6/21/2017	68	29.95	760.73	S		NA		70	17549	1.40	78	11.9%	22.2%	1.2%	64.7%		244	KAL	
6/26/2017	62	30.17	766.32	S		NA		70	17786	1.50	75	9.9%	21.0%	1.5%	67.6%		191	KAL	
7/5/2017	80	29.98	761.49	S		NA		70	17888	2.10	80	11.4%	16.8%	5.7%	66.1%		217	JAL	Restarted Blower
7/12/2017	75	29.81	757.17	S		NA		70	18212	1.60	82	10.0%	21.8%	1.5%	66.7%		246	AMB	
7/17/2017	80	29.98	761.49	F		NA		70	18454	2.00	84	9.1%	21.2%	1.5%	68.2%		225	KAL	
7/27/2017	82	30.08	764.03	F		NA		70	18928	1.60	89	8.2%	20.7%	1.4%	69.6%		221	JAL	
8/1/2017	76	30.05	763.27	F		NA		70	19158	1.60	80	8.2%	21.0%	1.7%	69.1%		296	AMB	
8/11/2017	60	30.14	765.56	S		NA		70	19632	1.40	87	7.6%	20.5%	1.5%	70.4%		285	KAL	
8/15/2017	65	30.01	762.25	S		NA		70	19817	1.50	82	7.6%	21.3%	1.4%	69.7%		102	KAL	
8/25/2017	55	30.18	766.57	S		NA		70	20285	2.90	78	7.3%	21.0%	1.7%	70.0%		227	KAL	
8/30/2017	73	30.07	763.78	S		NA		70	20519	1.30	76	7.5%	20.9%	1.5%	70.1%		227	KAL	
9/6/2017	60	30.14	765.56	S		NA		70	20855	3.10	63	7.4%	21.2%	1.7%	69.7%		392	KAL	
9/13/2017	74	29.77	756.16	S		NA		70	21183	2.40	85	8.1%	21.4%	1.4%	69.1%		309	KAL	
9/22/2017	82	29.9	759.46	S		NA		70	21591	2.90	84	7.7%	21.2%	1.5%	69.5%		270	KJB	
9/26/2017	60	29.95	760.73	R		NA		70	21775	3.10	80	7.9%	21.4%	1.6%	69.1%		124	KJB	
10/7/2017	52	28.33	719.58	F		NA		70	22078	1.40	58	12.5%	23.5%	1.6%	63.8%		273	AMB	
10/9/2017	48	28.95	735.33	S		NA		70	22080	1.40	49	0.0%	0.0%	20.6%	79.4%		-	AMB	Blower Down
10/15/2017	45	30.16	766.06	S		NA		70	22085	2.60	66	19.1%	20.3%	4.3%	56.3%		273	KJB	Restarted Blower
10/26/2017	47	28.43	722.12	R		NA		70	22615	3.30	72	10.9%	21.2%	2.8%	65.1%		161	AMB	
11/2/2017	36	29.88	758.95	R		NA		70	22987	3.20	69	8.8%	20.2%	3.2%	67.8%		75	KJB	
11/10/2017	30	29.38	746.25	F		NA		70	23434	1.70	58	7.6%	18.2%	5.3%	68.9%		189	AMB	
11/17/2017	36	29.75	755.65	F		NA		70	23809	2.00	62	8.6%	18.4%	4.7%	68.3%		204	KJB	
11/22/2017	11	30.33	770.38	S		NA		70	24060	1.40	61	7.1%	17.2%	5.4%	70.3%		402	KJB	

TABLE 4
SYSTEM MONITORING
Junker Sanitary Landfill FID #656026800

	WEATHER				BLOWER/HEADER					GAS TO FLARE									
DATE	AMB. TEMP. °F	BARO PRESS AND TREND in Hg	BARO PRESS AND TREND mm Hg	BARO PRESS TREND	HEADER LINE VAC in H2O	INLET VAC in H2O	DISCHARGE PRESSURE in H2O	VFD CONDITION %	POWER METER READING KwhR	PRESSURE in H2O	TEMP °F	METHANE %	CARBON DIOXIDE %	OXYGEN %	BALANCE GAS %	VELOCITY feet/min	FLOW cubic ft/min	TECHNICIAN	COMMENTS
11/27/2017	50	28.46	722.88	F		NA		70	24546	1.70	66	8.6%	18.3%	4.6%	68.5%		222	AMB	
12/8/2017	25	29.92	759.97	S		NA		70	24783	-	-	-	-	-	-		-	KAL	Blower Down
12/15/2017	19	29.9	759.46	S		NA		70	24848	-0.20	63	18.3%	21.4%	3.1%	57.2%		401	KAL	
12/19/2017	35	28.8	731.52	R		NA		70	25119	1.40	62	13.0%	23.2%	1.8%	62.0%		202	KAL	
12/28/2017	0	30.34	770.64	S		NA		70	25655	1.10	56	9.5%	21.4%	2.2%	66.9%		426	KAL	
1/3/2018	2	30.25	768.35	S		NA		70	25925	4.10	58	9.0%	20.9%	2.1%	68.0%		306	KAL	
1/8/2018	26	29.97	761.24	R		NA		70	26087	2.10	38	10.8%	16.5%	7.5%	65.2%		237	KAL	Restarted Blower
1/15/2018	3	30.33	770.38	S		NA		70	26443	0.90	50	9.0%	22.8%	1.0%	67.2%		287	KAL	
2/1/2018	-6	30.31	769.87	R		NA		70	26844	0.60	32	3.9%	8.3%	13.6%	74.2%		171	KAL	Restarted Blower
2/9/2018	8	30.39	771.91	F		NA		70	27240	1.10	58	10.7%	22.9%	0.8%	65.6%		211	KAL	
2/15/2018	32	28.7	728.98	R		NA		70	27530	0.90	63	10.7%	23.0%	0.8%	65.5%		221	KAL	Flow is based on Avg. Flow in 2018
2/21/2018	5	30.61	777.49	S		NA		70	27835	0.90	55	9.9%	23.2%	0.9%	66.0%		290	KAL	
2/27/2018	21	30.02	762.51	S		NA		70	28104	0.80	63	9.3%	22.3%	1.0%	67.4%		102	KAL	
3/7/2018	16	30.07	763.78	S		NA		70	28663	0.60	62	9.2%	22.1%	1.0%	67.7%		221	KAL	Flow is based on Avg. Flow in 2018
3/14/2018	25	28.89	733.81	S		NA		70	29037	0.80	63	9.1%	22.4%	0.9%	67.6%		194	KAL/AMB	
3/20/2018	25	30.06	763.52	S		NA		70	29328	0.20	61	12.8%	23.5%	0.4%	63.3%		259	KAL	
3/30/2018	27	30.15	765.81	F		NA		70	29709	0.20	48	13.3%	22.1%	1.8%	62.8%		17	KAL	Restarted Blower
4/6/2018	12	30.09	764.29	R		NA		70	30017	0.30	58	15.1%	24.3%	0.4%	60.2%		194	KAL	
4/12/2018	38	29.73	755.14	S		NA		70	30284	0.40	63	15.8%	24.6%	0.4%	59.2%		215	KAL/AMB	
4/16/2018	28	30.01	762.25	S		NA		70	30515	0.40	64	15.6%	25.2%	0.3%	58.9%		226	KAL	
4/27/2018	53	29.73	755.14	S		NA		70	30692	0.10	53	26.7%	25.5%	0.4%	47.4%		285	KAL	Restarted Blower
4/30/2018	56	29.93	760.22	F		NA		70	30807	0.20	56	20.4%	25.5%	0.3%	53.8%		101	KAL	
5/10/2018	48	30.07	763.78	S		NA		70	31182	0.10	79	18.6%	25.5%	0.3%	55.6%		196	KAL	
5/14/2018	61	29.96	760.98	S		NA		70	31199	0.00	82	16.0%	23.5%	1.5%	59.0%		145	KAL	Restarted Blower
5/22/2018	62	30.09	764.29	R		NA		70	31296	0.10	74	19.4%	21.6%	3.0%	56.0%		231	KAL	Restarted Blower
5/29/2018	80	29.91	759.71	S		NA		70	31436	0.10	91	22.8%	24.2%	0.7%	52.3%		276	KAL	Restarted Blower
6/7/2018	60	30.05	763.27	S		NA		70	31450	0.20	73	21.8%	20.6%	4.0%	53.6%		125	KAL	Restarted Blower
6/12/2018	68	29.94	760.48	S		NA		70	31518	-0.10	80	24.6%	23.1%	2.8%	49.5%		264	KAL	Restarted Blower
6/19/2018	59	28.98	736.09	S		NA		70	31589	-0.20	65	25.4%	25.4%	1.0%	48.2%		122	KAL	Restarted Blower
6/26/2018	70	28.82	732.03	S		NA		70	31778	0.50	81	19.7%	27.6%	0.4%	52.3%		315	AMB	
7/2/2018	75	29.98	761.49	S		NA		70	31942	0.40	126	15.2%	26.2%	0.5%	58.1%		170	KAL	
7/10/2018	71	29.17	740.92	S		NA		70	32163	0.30	84	14.1%	25.1%	0.5%	60.3%		294	KAL	
7/20/2018	65	29.91	759.71	R		NA		70	32440	0.20	83	14.7%	24.5%	0.6%	60.2%		251	AMB	
7/23/2018	68	30.08	764.03	S		NA		70	32525	0.30	99	13.6%	24.3%	0.6%	61.5%		233	KAL	
8/1/2018	72	29.9	759.46	S		NA		70	32778	0.40	-	14.3%	24.2%	0.6%	60.9%		183	CAS	
8/6/2018	68	30.03	762.76	S		NA		70	32916	0.20	85	13.6%	24.0%	0.6%	61.8%		434	CAS	
8/14/2018	67	29.98	761.49	S		NA		70	33140	0.50	89	13.5%	23.9%	0.6%	62.0%		151	KAL	
8/20/2018	70	30.02	762.51	S		NA		70	33235	0.60	83	15.9%	24.5%	0.3%	59.3%		237	AMB	Restarted Blower
8/27/2018	85	29.71	754.63	F		NA		70	33465	0.50	91	15.1%	24.5%	0.6%	59.8%		221	AMB	Flow is based on Avg. Flow in 2018
9/7/2018	74	30.33	770.38	F		NA		70	33829	0.40	90	12.9%	23.3%	0.6%	63.2%		206	JAL	
9/11/2018	80	30	762.00	F		NA		70	33959	0.60	90	14.1%	24.0%	0.7%	61.2%		84	AMB	
9/19/2018	60	30.02	762.51	S		NA		70	34219	0.50	82	13.8%	24.3%	0.6%	61.3%		344	KAL	
9/24/2018	60	29.95	760.73	S		NA		70	34258	1.00	79	31.5%	26.6%	0.3%	41.6%		246	KAL	Restarted Blower
10/4/2018	42	30.36	771.14	S		NA		70	34620	1.00	77	13.9%	23.5%	0.9%	61.7%		154	KAL	
10/11/2018	-	-	-	-		-		-	-	-	-	-	-	-	-		-	KAL	Condensate Full, Blower off
10/15/2018	34	30.2	767.08	S		NA		70	34935	0.60	59	25.2%	26.5%	0.4%	47.9%		273	KAL	Restarted Blower
10/29/2018	30	30	762.00	S		NA		65	35281	0.60	45	29.9%	26.8%	3.2%	40.1%		221	AMB/MEE	Flow is based on Avg. Flow in 2018. Restarted Blower
11/1/2018	32	29.97	761.24	F		NA		65	35429	0.40	62	21.2%	26.5%	0.7%	51.6%		171	KAL	
11/6/2018	37	29.71	754.63	R		NA		65	35678	0.60	63	17.8%	25.6%	0.6%	56.0%		11	KAL	
11/13/2018	10	30.5	774.70	S		NA		65	36100	1.00	57	15.5%	24.8%	0.7%	59.0%		384	KAL	

TABLE 4
SYSTEM MONITORING
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	WEATHER				BLOWER/HEADER					GAS TO FLARE								TECHNICIAN	COMMENTS
DATE	AMB. TEMP.	BARO PRESS AND TREND	BARO PRESS AND TREND	BARO PRESS TREND	HEADER LINE VAC	INLET VAC	DISCHARGE PRESSURE	VFD CONDITION	POWER METER READING	PRESSURE	TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	VELOCITY	FLOW		
	°F	in Hg	mm Hg		in H2O	in H2O	in H2O	%	KwhR	in H2O	°F	%	%	%	%	feet/min	cubic ft/min		
11/20/2018	19	30.1	764.54	F		NA		65	36518	1.20	58	17.1%	24.5%	0.7%	57.5%		77	KAL	
11/27/2018	14	29.96	760.98	S		NA		65	36857	0.80	45	19.3%	25.9%	0.3%	54.5%		263	KAL	
12/7/2018	12	30.34	770.64	S		NA		65	37263	0.70	56	13.3%	23.8%	0.7%	62.2%		336	KAL	
12/11/2018	10	28.95	735.33	S		NA		65	37442	0.20	53	13.8%	23.9%	0.7%	61.6%		277	AMB	
12/21/2018	24	29.77	756.16	S		NA		65	37841	0.00	57	13.6%	23.8%	0.7%	61.9%		282	KAL	
12/28/2018	22	28.86	733.04	S		NA		65	38123	-0.30	55	10.9%	23.1%	0.9%	65.1%		206	KAL/AMB	
12/31/2018	28	29.74	755.40	S		NA		65	38232	-0.60	49	16.7%	20.7%	4.5%	58.1%		357	KAL	
1/7/2019	37	29.51	749.55	S		NA		65	38323	-0.80	41	23.6%	25.1%	3.1%	48.1%		281	KAL	Restarted Blower
2/1/2019	9	30.18	766.57	S		NA		70	39489	0.20	54	40.4%	33.2%	0.8%	25.6%		75	KAL	Blower down on 1/17/19, restarted on 1/25/19
2/5/2019	5	30.22	767.59	S		NA		70	39713	0.10	54	34.6%	31.4%	0.8%	33.2%		197	KAL	
2/13/2019	13	29.98	761.49	S		NA		70	40194	0.10	62	30.0%	30.5%	0.8%	38.7%		238	KAL	
2/22/2019	12	30.42	772.67	S		NA		70	40742	0.00	68	27.2%	28.9%	1.3%	42.6%		273	KAL	
2/28/2019	9	30.2	767.08	S		NA		70	41092	-0.20	58	28.2%	28.9%	1.3%	41.6%		257	KAL	
3/5/2019	10	30.17	766.32	S		NA		70	41409	0.00	61	28.2%	28.7%	1.5%	41.6%		183	KAL	
3/14/2019	39	29.26	743.20	S		NA		70	41907	0.00	68	31.3%	29.7%	1.1%	37.9%		214	KAL	
3/20/2019	35	29.89	759.21	S		NA		70	42202	0.00	73	30.5%	29.1%	1.2%	39.2%		179	KAL/AMB	
3/27/2019	48	29.92	759.97	S		NA		70	42610	0.50	64	18.7%	26.4%	0.3%	54.6%		164	KAL	
4/2/2019	36	29.92	759.97	S		NA		70	42899	0.70	62	16.4%	25.3%	0.4%	57.9%		489	KAL	
4/8/2019	60	29.74	755.40	F		NA		70	43171	0.50	67	15.7%	24.6%	0.5%	59.2%		122	KAL	
4/18/2019	45	30.01	762.25	S		NA		70	43454	0.60	51	21.7%	25.8%	0.6%	51.9%		461	AMB	
4/26/2019	50	30.03	762.76	R		NA		70	43797	0.30	66	14.2%	25.5%	0.7%	61.6%		457	AMB	
5/1/2019	38	30.16	766.06	S		NA		70	43926	0.20	51	16.5%	25.2%	0.5%	57.8%		439	KAL	
5/7/2019	54	30.27	768.86	S		NA		70	44278	0.30	71	12.5%	22.6%	0.7%	64.2%		453	KAL	
5/14/2019	61	29.95	760.73	S		NA		70	44580	0.00	76	12.2%	22.6%	0.7%	64.5%		493	KAL	
5/23/2019	54	30.02	762.51	R		NA		70	44956	-0.40	76	3.7%	8.6%	12.3%	75.4%		693	KAL	
5/29/2019	64	29.83	757.68	S		NA		70	45205	0.10	80	10.2%	22.0%	0.6%	67.2%		536	KAL	
6/3/2019	60	30.05	763.27	S		NA		70	45407	0.20	82	9.7%	21.5%	0.6%	68.2%		480	KAL	
6/12/2019	61	29.99	761.75	S		NA		70	45774	0.10	83	10.0%	22.1%	0.6%	67.3%		532	KAL	
6/17/2019	56	29.99	761.75	S		NA		70	45984	0.40	56	13.4%	19.7%	2.8%	64.1%		362	KAL	
6/26/2019	74	30.03	762.76	S		NA		70	46292	-0.10	74	20.7%	20.9%	5.4%	53.0%		662	KAL	
7/2/2019	70	29.92	759.97	S		NA		70	46515	-0.50	86	18.1%	20.8%	5.0%	56.1%		390	KAL	
7/8/2019	81	30.05	763.27	S		NA		70	46737	-0.20	92	16.7%	20.0%	5.2%	58.0%		577	KAL	
7/16/2019	84	29.89	759.21	S		NA		70	46926	-0.10	98	10.3%	12.5%	9.6%	67.6%		492	KAL	Restarted Blower
7/24/2019	71	30.2	767.08	F		NA		70	47039	-0.50	90	22.1%	22.7%	3.3%	51.9%		353	KAL	
7/31/2019	70	30.21	767.33	S		NA		70	47272	-0.10	89	4.8%	6.0%	14.2%	74.3%		540	KAL	
8/6/2019	81	29.87	758.70	S		NA		70	47445	0.00	92	11.1%	9.9%	11.1%	67.6%		475	KAL	Restarted Blower
8/14/2019	70	30.08	764.03	S		NA		70	47728	-0.20	89	20.0%	21.8%	2.5%	55.7%		536	KAL	
8/23/2019	67	30.23	767.84	S		NA		70	47886	-0.30	86	19.6%	17.7%	6.5%	56.2%		481	KAL	Restarted Blower
8/27/2019	69	29.79	756.67	S		NA		70	48022	-0.80	95	24.8%	22.4%	3.5%	49.3%		506	KAL	
9/6/2019	63	30.13	765.30	S		NA		70	48247	-0.30	77	21.3%	17.1%	8.4%	53.2%		589	KAL	Restarted Blower
9/10/2019	80	29.1	739.14	S		NA		70	48390	-0.30	102	0.7%	1.0%	19.2%	79.1%		508	LCS	

TABLE 4
SYSTEM MONITORING
Junker Sanitary Landfill FID #656026800

	WEATHER				BLOWER/HEADER					GAS TO FLARE								TECHNICIAN	COMMENTS
DATE	AMB. TEMP.	BARO PRESS AND TREND	BARO PRESS AND TREND	BARO PRESS TREND	HEADER LINE VAC	INLET VAC	DISCHARGE PRESSURE	VFD CONDITION	POWER METER READING	PRESSURE	TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	VELOCITY	FLOW		
	°F	in Hg	mm Hg		in H2O	in H2O	in H2O	%	KwhR	in H2O	°F	%	%	%	%	feet/min	cubic ft/min		
9/20/2019	67	30.08	764.03	S		NA		70	48565	-0.20	89	1.3%	2.0%	18.5%	78.2%		390	KAL	Restarted Blower
9/24/2019	58	29.81	757.17	S		NA		70	48686	1.20	78	20.0%	20.9%	5.9%	53.2%		237	KAL	Restarted Blower
10/3/2019	55	29.11	739.39	S		NA		70	49108	0.60	78	13.8%	25.0%	0.8%	60.4%		30	LCS	
10/11/2019	36	29.83	757.68	S		NA		70	49451	0.80	73	14.4%	23.2%	1.7%	60.7%		580	KAL	
10/18/2019	52	29.79	756.67	S		NA		70	49783	1.00	71	14.6%	23.3%	1.6%	60.5%		438	KAL	
10/28/2019	34	23.23	590.04	S		NA		70	50049	1.20	65	18.2%	23.8%	2.2%	55.8%		378	AMB	
11/6/2019	27	30.37	771.40	R		NA		70	50480	1.80	68	8.0%	16.5%	6.2%	69.3%		348	KAL	Maintenance on Blower
11/12/2019	9	30.47	773.94	F		NA		70	50815	1.60	-	12.2%	20.7%	2.8%	64.3%		569	KAL	
11/20/2019	37	30.06	763.52	F		NA		70	51258	1.70	-	5.9%	15.9%	6.2%	72.1%		323	KAL	
11/25/2019	37	28.59	726.19	R		NA		70	51600	1.50	-	9.7%	20.7%	2.7%	66.9%		222	AMB	
12/4/2019	31	28.87	733.30	R		NA		70	52078	1.20	-	10.0%	22.7%	0.8%	66.5%		357	KAL	
12/10/2019	-4	30.19	766.83	R		NA		70	52388	-0.30	-	13.2%	24.1%	0.9%	61.8%		422	KAL	
12/17/2019	23	-	-	-		NA		-	52588	-	-	-	-	-	-		-	KAL	Blower down
12/20/2019	25	30.16	766.06	F		NA		70	52675	-0.40	-	15.1%	24.8%	0.5%	59.6%		473	KAL	Restarted Blower. Warmed it up and reprogrammed blower settings.
12/26/2019	34	29.93	760.22	R		NA		70	52989	-0.30	-	16.7%	26.8%	0.5%	56.0%		342	KAL	
1/3/2020	32	29.85	758.19	S		NA		70	53311	-0.20	-	18.7%	27.2%	0.5%	53.6%		654	KAL	
1/7/2020	23	30	762.00	R		NA		70	53519	-0.50	-	17.7%	26.8%	0.6%	54.9%		553	KAL	
1/13/2020	20	30.22	767.59	S		NA		70	53928	-	-	-	-	-	-		-	KAL	Servicing GEM meter
1/24/2020	28	30.03	762.76	S		NA		70	54620	0.30	65	17.0%	25.9%	0.3%	56.7%		-	KAL	
1/29/2020	16	30.23	767.84	S		NA		60	54842	-	-	-	-	-	-		-	KAL	Blower off, bearings grinding
2/4/2020	15	30.34	770.64	S		NA		60	54991	0.00	48	9.8%	24.0%	1.5%	64.7%		-	LCS	Temporarily turned blower on for readings
2/11/2020	15	29.21	741.93	S		NA		60	-	0.10	51	17.5%	26.5%	0.7%	55.3%		-	LCS	Temporarily turned blower on for readings
2/18/2020	18	29.63	752.60	S		NA		60	55361	0.20	39	16.9%	26.3%	1.0%	55.6%		-	LCS	Temporarily turned blower on for readings
2/25/2020	45	29.42	747.27	R		NA		60	55514	-0.10	43	19.5%	26.7%	0.8%	53.0%		273	LCS	Temporarily turned blower on for readings
3/10/2020	40	29.38	746.25	R		NA		60	55772	-0.10	44	23.2%	28.6%	0.8%	47.4%		218	LCS	Temporarily turned blower on for readings
3/17/2020	40	30.27	768.86	R		NA		60	55890	0.10	40	26.0%	28.9%	0.5%	44.6%		311	AMB	Temporarily turned blower on for readings
3/24/2020	45	30.01	762.25	S		NA		70	56246	1.50	56	22.8%	27.0%	0.4%	49.8%		98	LCS	Blower repaired
3/31/2020	47	29.32	744.73	S		NA		70	56525	1.50	51	21.8%	26.8%	0.2%	51.2%		264	LCS	
4/2/2020	57	29.09	738.89	S		NA		70	56614	1.80	60	19.1%	26.0%	0.3%	54.6%		203	LCS	Restarted Blower
4/6/2020	50	29.86	758.44	S		NA		70	56813	1.50	58	18.2%	25.6%	0.4%	55.8%		125	LCS	Restarted Blower
4/14/2020	28	30.12	765.05	F		NA		70	57182	1.40	50	13.3%	23.0%	0.6%	63.1%		85	LCS	Restarted Blower
4/21/2020	40	30.02	762.51	R		NA		70	57509	1.40	53	9.1%	18.2%	3.8%	68.9%		-	AMB	Restarted Blower
4/29/2020	45	29.95	760.73	R		NA		70	57916	1.30	61	9.6%	22.7%	1.0%	66.7%		-	AMB	
5/5/2020	40	30.05	763.27	R		NA		70	58105	1.00	57	11.4%	22.8%	0.6%	65.2%		117	LCS	Restarted Blower
5/14/2020	58	28.96	735.58	R		NA		70	58541	1.20	64	9.8%	21.8%	0.9%	67.5%		68	LCS	
5/20/2020	60	30.18	766.57	R		NA		70	58787	1.20	66	9.2%	21.3%	1.0%	68.5%		-	AMB	
5/28/2020	77	29.91	759.71	F		NA		70	59016	1.30	-	10.6%	22.1%	0.8%	66.5%		294	AMB	Restarted Blower
6/2/2020	85	29.82	757.43	S		NA		70	59060	1.40	-	14.9%	23.3%	0.5%	61.3%		202	KAL	Restarted Blower
6/9/2020	82	29.67	753.62	S		NA		70	59239	0.20	-	25.2%	26.2%	0.3%	48.3%		154	KAL	Restarted Blower
6/16/2020	80	30.21	767.33	S		NA		70	59463	0.40	-	16.4%	24.5%	0.4%	58.7%		281	KAL	
6/23/2020	70	29.91	759.71	S		NA		70	59708	0.80	-	9.2%	14.4%	8.4%	68.0%		33	KAL	
6/30/2020	-	-	-	-		NA		70	-	-	-	-	-	-	-		-	KAL	Blower off, tank full
7/1/2020	78	29.95	760.73	S		NA		70	59930	0.30	89	16.9%	24.9%	0.6%	57.6%		238	KAL	
7/8/2020	80	29.88	758.95	F		NA		70	60145	0.70	87	12.4%	17.7%	5.9%	64.0%		213	KAL	
7/13/2020	80	29.29	743.97	S		NA		70	60297	0.90	-	12.0%	17.2%	6.5%	64.3%		-	AMB	

TABLE 4
SYSTEM MONITORING
Junker Sanitary Landfill FID #656026800

	WEATHER				BLOWER/HEADER					GAS TO FLARE									
DATE	AMB. TEMP. °F	BARO PRESS AND TREND in Hg	BARO PRESS AND TREND mm Hg	BARO PRESS TREND	HEADER LINE VAC in H2O	INLET VAC in H2O	DISCHARGE PRESSURE in H2O	VFD CONDITION %	POWER METER READING KwhR	PRESSURE in H2O	TEMP °F	METHANE %	CARBON DIOXIDE %	OXYGEN %	BALANCE GAS %	VELOCITY feet/min	FLOW cubic ft/min	TECHNICIAN	COMMENTS
7/21/2020	67	29.94	760.48	F		NA		70	60590	0.80	76	12.5%	18.1%	5.6%	63.8%		232	KAL	
7/28/2020	72	29.92	759.97	S		NA		70	60825	0.70	85	12.2%	17.5%	6.1%	64.2%		226	KAL	
8/4/2020	61	30.16	766.06	S		NA		70	61091	0.80	85	14.4%	17.7%	6.0%	61.9%		82	KAL	
8/11/2020	73	30.01	762.25	S		NA		70	61352	0.40	86	13.2%	17.4%	5.9%	63.5%		234	KAL	
8/21/2020	73	29.88	758.95	S		NA		70	61733	1.00	85	14.0%	18.6%	5.4%	62.0%		108	KAL	
8/26/2020	82	29.81	757.17	S		NA		70	61928	0.90	92	13.8%	19.1%	5.1%	62.0%		151	KAL	
9/3/2020	64	29.84	757.94	R		NA		70	62230	0.80	81	12.5%	18.9%	5.4%	63.3%		106	KAL	
9/10/2020	56	30.43	772.92	S		NA		70	62511	0.90	78	11.9%	18.3%	5.5%	64.3%		270	KAL	
9/18/2020	47	30.44	773.18	S		NA		70	62810	0.90	74	12.1%	19.8%	5.6%	62.5%		56	KAL	
9/25/2020	74	31.14	790.96	R		NA		70	-	0.60	77	13.5%	19.6%	5.0%	61.9%		56	MEE	
9/29/2020	54	29	736.60	S		NA		70	63221	0.70	76	12.6%	19.1%	5.1%	63.2%		337	LCS	
10/6/2020	56	29.84	757.94	F		NA		70	63325	1.20	75	13.1%	19.9%	3.3%	63.7%		154	KAL	
10/13/2020	55	29.89	759.21	R		NA		70	63646	1.30	71	7.8%	17.0%	6.6%	68.6%		296	KAL	
10/21/2020	36	30.14	765.56	S		NA		70	64191	1.20	62	11.9%	21.8%	2.7%	63.6%		296	KAL	
10/29/2020	32	30.14	765.56	S		NA		70	64718	1.30	63	9.2%	19.4%	4.0%	67.4%		152	KAL	
11/5/2020	35	29.05	737.87	S		NA		70	65119	1.40	70	8.9%	19.1%	3.9%	68.1%		83	LCS	
11/11/2020	28	29.93	760.22	S		NA		70	65459	0.90	61	8.3%	20.9%	2.3%	68.4%		262	KAL	
11/19/2020	48	-	-	-		NA		70	65755	-	-	-	-	-	-		-	KAL	Blower down
11/27/2020	30	30.12	765.05	S		NA		70	65968	1.20	55	10.6%	14.6%	8.4%	66.4%		221	KAL	Restarted blower
12/4/2020	35	29.96	760.98	S		NA		70	66473	1.10	61	11.5%	20.0%	4.9%	63.6%		184	KAL	
12/8/2020	30	29.94	760.48	S		NA		70	66743	1.10	57	12.1%	19.7%	4.1%	64.1%		79	KAL	
12/14/2020	15	30.34	770.64	S		NA		70	67134	1.40	55	9.6%	18.7%	5.2%	66.5%		273	KAL	
12/21/2020	34	29.56	750.82	S		NA		70	67601	1.30	57	9.4%	17.3%	6.1%	67.2%		355	KAL	
12/28/2020	14	30.26	768.60	R		NA		70	68072	1.30	50	7.1%	15.5%	8.1%	69.3%		288	KAL	
1/7/2021	20	-	-	-		NA		70	-	-	-	-	-	-	-		-	KAL	Blower down
1/12/2021	23	29.98	761.49	R		NA		70	68551	0.90	58	24.3%	26.9%	0.3%	48.5%		191	KAL	
1/18/2021	21	29.9	759.46	R		NA		70	69034	1.70	54	11.1%	17.7%	6.7%	64.5%		453	KAL	
1/25/2021	8	30.09	764.29	R		NA		70	-	-	-	-	-	-	-		-	KAL	Servicing GEM meter
2/2/2021	20	30.32	770.13	F		NA		70	70148	1.10	52	8.7%	17.5%	5.7%	68.1%		178	AMB	
2/11/2021	-2	30.52	775.21	F		NA		70	70831	1.50	49	7.9%	17.5%	6.6%	68.0%		-	AMB	
2/17/2021	10	30.29	769.37	R		NA		70	71263	1.90	48	7.9%	16.4%	6.2%	69.5%		183	KAL	
2/26/2021	37	29.91	759.71	R		NA		70	71909	1.20	56	7.6%	16.1%	5.9%	70.4%		121	KAL	
3/3/2021	34	30.06	763.52	R		NA		70	72269	1.40	59	9.2%	18.0%	4.5%	68.3%		38	KAL	
3/10/2021	43	29.59	751.59	R		NA		70	72669	-	-	-	-	-	-		-	KAL	Blower down
3/19/2021	36	30.5	774.70	R		NA		70	73232	1.30	57	6.7%	14.2%	8.1%	71.0%		254	KAL	
3/26/2021	28	30.07	763.78	R		NA		70	73530	1.10	58	9.9%	18.3%	4.1%	67.7%		190	KAL	
4/1/2021	27	30.54	775.72	R		NA		70	73804	1.00	61	10.7%	22.2%	0.7%	66.4%		342	KAL	
4/7/2021	70	29.64	752.86	R		NA		70	74079	0.70	73	11.4%	22.0%	0.7%	65.9%		198	KAL	
4/13/2021	35	28.94	735.08	R		NA		70	-	0.40	63	10.4%	22.4%	0.7%	66.5%		187	LCS	
4/18/2021	50	29.88	758.95	R		NA		70	74509	0.70	72	10.5%	22.2%	0.6%	66.7%		111	AMB	
4/29/2021	63	30.28	769.11	R		NA		70	75052	0.60	71	9.2%	21.6%	0.7%	68.5%		169	LCS	
5/5/2021	50	30.16	766.06	R		NA		70	75266	1.00	73	9.1%	21.4%	0.7%	68.8%		102	KAL	
5/10/2021	50	30.2	767.08	R		NA		70	75479	1.00	70	9.0%	21.5%	0.8%	68.7%		352	KAL	
5/19/2021	65	30.01	762.25	R		NA		70	75821	0.80	77	9.8%	21.7%	0.4%	68.1%		61	KAL	
5/24/2021	72	29.94	760.48	R		NA		70	76037	0.70	82	9.7%	21.4%	0.6%	68.3%		223	KAL	
6/4/2021	87	29.87	758.70	F		NA		70	76508	0.70	91	9.5%	21.2%	0.6%	68.7%		245	BJI	
6/7/2021	87	29.81	757.17	R		NA		70	76635	0.90	92	9.2%	20.9%	0.6%	69.3%		220	KAL	
6/16/2021	80	30.03	762.76	R		NA		70	76981	0.80	93	9.0%	19.9%	0.9%	70.2%		118	KAL	
6/22/2021	60	29.93	760.22	R		NA		70	77228	0.90	84	8.4%	21.1%	1.0%	69.5%		176	KAL	
6/30/2021	84	30.07	763.78	R		NA		70	77575	0.06	94	8.4%	20.6%	1.0%	70.0%		307	BJI	
7/8/2021	62	29.98	761.49	R		NA		70	77907	0.80	85	8.6%	21.2%	1.0%	69.2%		179	BJI	
7/12/2021	81	30.03	762.76	R		NA		70	78085	0.90	93	8.6%	20.9%	1.1%	69.4%		162	BJI	

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	WEATHER				BLOWER/HEADER					GAS TO FLARE									
DATE	AMB. TEMP. °F	BARO PRESS AND TREND in Hg	BARO PRESS AND TREND mm Hg	BARO PRESS TREND	HEADER LINE VAC in H2O	INLET VAC in H2O	DISCHARGE PRESSURE in H2O	VFD CONDITION %	POWER METER READING KwhR	PRESSURE in H2O	TEMP °F	METHANE %	CARBON DIOXIDE %	OXYGEN %	BALANCE GAS %	VELOCITY feet/min	FLOW cubic ft/min	TECHNICIAN	COMMENTS
7/19/2021	83	30.17	766.32	R		NA		70	78374	0.70	92	8.3%	20.5%	1.3%	69.9%		188	BJI	
7/30/2021	73	30.12	765.05	R		NA		70	78769	0.11	90	7.5%	19.0%	0.5%	73.0%		219	BJI	
8/3/2021	70	30.05	763.27	R		NA		70	78854	0.20	91	11.7%	22.6%	0.2%	65.5%		157	KAL	
8/10/2021	69	30.05	763.27	R		NA		70	79136	0.20	89	10.1%	22.1%	1.0%	66.8%		198	BJI	
8/20/2021	70	29.92	759.97	R		NA		70	79548	0.30	95	10.6%	21.5%	0.8%	67.1%		211	BJI	
8/25/2021	65	30.06	763.52	R		NA		70	79746	0.00	91	9.3%	21.7%	1.1%	67.9%		158	BJI	
9/1/2021	66	29.97	761.24	R		NA		70	79990	-0.3	86	10.5	22.2	0.9	66.4		143	KAL	
9/8/2021	62	29.83	757.68	R		NA		70	80273	0	85	10.5	22.1	0.9	66.5		77	KAL	
9/13/2021	67	29.97	761.24	R		NA		70	80479	-0.1	86	10.7	22.4	0.8	66.1		-	KAL	
9/20/2021	72	29.62	752.35	R		NA		70	80639	0	80	18.3	23.5	0.4	57.8		270	KAL	
9/28/2021	64	29.87	758.70	R		NA		70	80976	-0.7	76	3.2	6.2	14.8	75.8		431	ODR	
10/5/2021	59	30.17	766.32	R		NA		70	81222	-0.6	83	3	6.4	14.5	76.1		408	ODR	
10/13/2021	57	29.64	752.86	R		NA		70	81584	-0.7	81	3.3	6.5	14.7	75.5		221	ODR	
10/22/2021	33	29.99	761.75	R		NA		70	81956	-0.7	72	2.5	5.5	15.8	76.2		343	ODR	
10/29/2021	46	29.84	757.94	R		NA		70	82253	-0.3	76	12.1	23.2	0.7	64		38	ODR	
11/9/2021	42	30.14	765.56	R		NA		70	82730	-0.1	74	12.4	23	0.7	63.9		176	ODR	
11/19/2021	25	30.18	766.57	R		NA		70	83212	0.5	68	12.7	23.5	0.7	63.1		-	ODR	Flow not working
11/24/2021	45	29.57	751.08	R		NA		70	83420	0.5	72	14.9	24.1	0.5	60.5		-	ODR	on instrument
12/2/2021	41	29.89	759.21	R		NA		70	83821	0.6	70	13.2	23.7	0.7	62.4		203	ODR	
12/10/2021	28	29.89	759.21	R		NA		70	84239	0.5	65	13.3	23.9	0.5	62.3		459	ODR	
12/16/2021	15	29.85	758.19	R		NA		70	84496	-	-	-	-	-	-		-	ODR	Blower Down
12/20/2021	17	29.36	745.74	R		NA		70	84574	-	-	-	-	-	-		-	ODR	Blower Down
12/30/2021	14	29.69	754.13	R		NA		70	85030	0.8	-	11.0	14.6	8.2	66.2		249	ODR	Temp Probe Broke
1/7/2022	-15	30.16	766.06	R		NA		70	85618	0.0	-	12.1	19.7	5.0	63.2		275	ODR	Temp Probe Broke
1/14/2022	14	29.81	757.17	R		NA		70	86115	0.7	57.6	11.1	18.5	5.2	65.2		-	ODR	Flow not working
1/18/2022	30	29.87	758.70	R		NA		70	86416	0.6	50	13.9	21.6	3.0	61.5		533	ODR	
1/24/2022	3	29.72	754.89	R		NA		70	86859	0.9	56.7	8.6	13.9	9.6	67.8		385	ODR	
1/31/2022	17	29.76	755.90	R		NA		70	87363	0.1	58.8	10.5	17.3	6.6	65.7		588	ODR	
2/11/2022	30	29.42	747.27	R		NA		70	88133	0.8	60.3	9.8	16.5	6.4	67.3		329	ODR	
2/16/2022	25	29.65	753.11	R		NA		70	88502	0.9	59.4	8.8	15.0	8.3	67.9		394	ODR	
2/25/2022	5	30.36	771.14	R		NA		70	89143	0.0	52.2	7.5	14.5	8.7	69.3		591	ODR	
3/4/2022	17	30.18	766.57	R		NA		70	89583	0.9	58.5	8.5	16.4	7.0	68.1		568	ODR	
3/9/2022	16	29.96	760.98	R		NA		70	89884	0.6	57.4	9.5	18.5	5.1	66.9		581	ODR	
3/18/2022	36	29.92	759.97	R		NA		70	90439	1.0	-	6.9	13.2	9.6	70.2		194	ODR	Temp Probe Non-operational
3/21/2022	58	29.87	758.70	F		NA		70	90609	0.7	65.84	14.5	21.1	2.6	61.9		-	AMB	Flow not working
3/31/2022	30	29.72	754.89	R		NA		70	91005	0.9	46.5	3.4	5.6	15.5	75.6		488	ODR	Blower Re-Start
4/4/2022	33	29.87	758.70	R		NA		70	91217	0.6	-	14.5	22.1	2.4	61.0		212	ODR	Temp Probe Non-operational
4/13/2022	46	29.56	750.82	R		NA		70	91499	0.9	53.8	10.8	10.3	13.7	65.2		78	ODR	
4/22/2022	45	29.83	757.68	R		NA		70	92015	0.5	-	14.2	22.6	1.5	61.7		202	ODR	Temp Probe Non-operational
4/29/2022	46	28.89	733.81	R		NA		70	92355	1.0	68.2	8.6	14.2	8.8	68.4		157	ODR	
5/6/2022	52	29.96	760.98	R		NA		70	92477	0.7	69.1	15.9	22.5	1.8	59.7		138	AMB	
5/11/2022	70	29.10	739.14	R		NA		73	92706	0.6	72.9	15.8	21.2	3.0	60.0		153	RMS	
5/19/2022	65	28.54	724.92	R		NA		73	93029	0.7	78.7	16.0	22.2	2.1	59.8		124	ODR	
5/26/2022	46	28.83	732.28	R		NA		73	93341	0.6	78.1	11.8	20.4	3.5	64.3		94	ODR	
6/3/2022	55	30.04	763.02	R		NA		73	93461	0.8	72.9	8.2	11.8	11.0	69.0		169	ODR	
6/9/2022	75	28.92	734.57	R		NA		73	93726	0.7	83.3	8.5	14.3	8.9	68.4		144	ODR	
6/13/2022	66	28.79	731.27	R		NA		73	93902	0.8	77.7	9.0	15.8	7.7	67.5		148	ODR	
6/24/2022	89	28.86	733.04	R		NA		73	94387	0.7	77.7	10.9	20.1	3.4	65.5		221	RMS	
7/1/2022	65	28.97	735.84	R		NA		73	94674	0.6	73.9	9.5	20.1	3.3	67.1		332	RMS	
7/8/2022	73	29.05	737.87	R		NA		73	94969	0.0	88.7	9.9	21.3	2.0	66.7		224	RMS	
7/14/2022	78	29.23	742.44	R		NA		73	95252	0.6	88.5	9.5	20.1	3.3	67.1		-	ODR	Flow not working
7/22/2022	77	28.81	731.77	R		NA		73	95553	0.6	94	10.1	21.9	1.6	66.3		109	ODR	

TABLE 4
SYSTEM MONITORING
Junker Sanitary Landfill FID #656026800

	WEATHER				BLOWER/HEADER					GAS TO FLARE									
DATE	AMB. TEMP. °F	BARO PRESS AND TREND in Hg	BARO PRESS AND TREND mm Hg	BARO PRESS TREND	HEADER LINE VAC in H2O	INLET VAC in H2O	DISCHARGE PRESSURE in H2O	VFD CONDITION %	POWER METER READING KwhR	PRESSURE in H2O	TEMP °F	METHANE %	CARBON DIOXIDE %	OXYGEN %	BALANCE GAS %	VELOCITY feet/min	FLOW cubic ft/min	TECHNICIAN	COMMENTS
7/28/2022	62	28.90	734.06	R		NA		73	95808	0.5	88.7	9.9	21.8	1.5	66.7		204	RMS	
8/5/2022	78	28.99	736.35	R		NA		73	96154	0.5	96.5	10.5	22.2	1.2	66.1			RMS	Flow not working
8/8/2022	56	29.07	738.38	R		NA		73	96281	0.5	96.5	9.7	21.5	1.4	67.4		100	RMS	
8/16/2022	67	29.10	739.14	R		NA		73	96618	0.5	-	10.3	22.0	1.2	66.5		186	RMS	Temp Probe Non-operational
8/24/2022	74	28.90	734.06	R		NA		73	96953	0.6	-	11.0	22.5	1.0	65.5		63	RMS	Temp Probe Non-operational
8/31/2022	73	29.15	740.41	R		NA		73	97242	0.5	-	11.0	22.5	1.1	65.3		95	RMS	Temp Probe Non-operational
9/7/2022	73	29.13	739.90	R		NA		73	97533	0.5	-	11.0	22.4	1.1	65.5		66	RMS	Temp Probe Non-operational
9/16/2022	65	28.90	734.06	R		NA		73	97899	0.4	90.1	11.8	22.9	0.9	64.4		143	RMS	
9/20/2022	65	28.78	731.01	R		NA		73	98066	0.5	89.7	12.1	23.1	0.9	63.9		80	RMS	
9/26/2022	46	28.94	735.08	R		NA		73	98316	0.3	81.9	11.8	23.1	1.1	64.0		141	RMS	
10/4/2022	60	30.11	764.79	R		NA		73	98531	0.0	88.8	13.6	23.9	0.8	61.7		21	AMB	
10/10/2022	61	29.05	737.87	R		NA		73	98789	0.4	85.9	13.6	24.1	0.9	61.5		156	ODR	
10/27/2022	52	30.17	766.32	R		NA		73	99544	0.3	79.7	13.2	23.9	1.0	62.0		115	AMB	
11/3/2022	58	28.82	732.03	F		NA		73	99970	0.4	82.6	14.0	23.8	0.8	61.5		186	RMS	
11/8/2022	40	30.43	772.92	R		NA		73	100287	0.2	69.6	13.5	23.8	0.9	61.8		654	AMB	
11/14/2022	26	30.26	768.60	S		NA		73	100682	0.3	64.9	16.5	21.9	3.3	58.3		18	RMS	
11/22/2022	30	29.04	737.62	R		NA		73	101186	0.4	66.9	7.2	11.4	13.3	68.1		161	ODR	
11/30/2022	17	28.94	735.08	R		NA		73	101704	0.2	60.4	12.7	19.6	5.2	62.5		10	RMS	
12/8/2022	28	29.24	742.70	R		NA		73	102226	0.2	68.3	14.8	23.6	1.5	60.0		31	RMS	
12/16/2022	31	28.49	723.65	F		NA		73	102775	0.2	64.4	16.1	23.7	1.9	58.3		18	ODR	
12/20/2022	1	29.44	747.78	R		NA		73	103015	0.3	54.7	13.1	22.6	2.4	61.9		187	RMS	
12/29/2022	37	28.58	725.93	R		NA		73	103607	0.6	68.7	15.7	22.7	1.9	59.7		314	RMS	
1/3/2023	25	28.66	727.96	R		NA		73	103935	0.3	60.2	16.6	24.1	1.5	57.8		42	RMS	
1/9/2023	21	28.87	733.30	R		NA		73	104297	0.2	59.2	16.6	24.3	1.4	57.7		155	RMS	
1/18/2023	32	28.99	736.35	F		NA		73	104852	0.1	66.5	14.9	23.3	1.7	60.2		288	RMS	
1/27/2023	30	28.46	722.88	S		NA		73	105450	0.2	62.7	15.3	22.8	1.9	60.0		94	RMS	
1/30/2023	-11	29.34	745.24	S		NA		73	105652	0.3	50.8	13.3	22.4	2.0	62.2		115	RMS	
2/10/2023	9	29.85	758.19	R		NA		73	106247	-	-	-	-	-	-		-	RMS	No GEM, getting calibrated
2/17/2023	15	30.12	765.05	R		NA		73	106424	-	-	-	-	-	-		-	ODR	No GEM, getting calibrated
2/21/2023	6	28.75	730.25	R		NA		73	106522	0.0	23.1	6.8	10.1	12.5	70.6		-	ODR	Blower Restarted
2/28/2023	30	29.89	759.21	R		NA		73	106626	0.0	31.4	0.0	0.1	21.5	78.4		-	ODR	Blower Not Running
3/6/2023	32	28.99	736.35	F		NA		10	106892	-	-	-	-	-	-		-	ODR	Blower Not Running
3/15/2023	43	28.84	732.54	F		NA		15	107101	0.0	49.5	32.0	29.7	0.5	37.7		-	ODR	Blower Not Running
3/21/2023	27	28.96	735.58	R		NA		73	107238	0.7	40.4	31.2	27.0	1.2	40.7		131	ODR	Blower Restarted
3/27/2023	45	29.20	741.68	R		NA		73	107384	0.5	54.1	30.6	27.1	1.4	41.0		-	ODR	Blower started for gas data
4/3/2023	38	28.70	728.98	R		NA		73	107497	0.0	46.4	0.0	0.3	21.1	78.6		-	ODR	Blower started for gas data
4/10/2023	50	29.15	740.41	R		NA		73	107598	1.1	61.9	17.8	15.2	8.3	58.7		163	ODR	Blower Restarted
4/17/2023	33	28.71	729.23	R		NA		73	107819	1.1	46.3	15.3	15.2	11.3	58.3		192	ODR	Blower Restarted
4/24/2023	36	29.07	738.38	F		NA		73	107984	0.8	53.6	22.2	23.8	2.6	51.4		185	RMS	
5/5/2023		28.86	733.04			NA		73		0.8	71.9	29.5	27.7	1.7	41.1		-		
5/10/2023		29.10	739.14			NA		73		0.8	75.2	24.0	26.0	2.1	47.9		185		
5/16/2023		28.87	733.30			NA		73		0.9	75.1	21.0	25.7	1.7	51.6		186		
5/22/2023		28.99	736.35			NA		73		0.5	78.6	16.9	24.4	2.0	56.7		159		
5/30/2023		28.85	732.79			NA		73		0.8	84.7	16.2	24.0	1.5	58.3		148		
6/6/2023		28.96	735.58			NA		73		0.4	89	16.7	25.3	1.1	56.9		86		
6/12/2023		28.83	732.28			NA		73		0.5	92.8	15.9	25.0	1.0	58.1		106		
6/19/2023		28.80	731.52			NA		73		0.3	81.2	17.6	19.9	6.5	56.0		204		
6/26/2023	67	28.78	731.01	S		NA		73	110135	0.2	90.7	15.8	25.0	1.2	58.0		307	RMS	
7/5/2023	72	28.72	729.49	S		NA		73	110499	0.4	97.1	14.6	24.0	1.3	60.1		54	RMS	
7/12/2023	63	28.83	732.28	R		NA		73	110784	0.4	89.6	14.3	23.9	1.4	60.3		268	RMS	
7/21/2023	73	29.05	737.87	R		NA		73	111150	0.2	97.3	13.7	23.6	1.5	61.3		162	RMS	
7/27/2023	90	28.82	732.03	R		NA		73	111394	0.3	102.6	14.1	23.4	1.5	61.0		175	ODR	

TABLE 4
SYSTEM MONITORING
Junker Sanitary Landfill FID #656026800

	WEATHER				BLOWER/HEADER					GAS TO FLARE								TECHNICIAN	COMMENTS
DATE	AMB. TEMP.	BARO PRESS AND TREND	BARO PRESS AND TREND	BARO PRESS TREND	HEADER LINE VAC	INLET VAC	DISCHARGE PRESSURE	VFD CONDITION	POWER METER READING	PRESSURE	TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	VELOCITY	FLOW		
	°F	in Hg	mm Hg		in H2O	in H2O	in H2O	%	KwhR	in H2O	°F	%	%	%	%	feet/min	cubic ft/min		
8/1/2023	83	29.04	737.62	R		NA		73	111606	0.1	105.7	14.1	23.5	1.2	61.1		169	RMS	
8/8/2023	80	28.91	734.31	R		NA		73	111880	0.0	96.5	14.1	23.4	1.6	60.9		98	ODR	
8/15/2023	70	29.07	738.38	R		NA		73	112099	0.5	76.1	17.0	24.2	1.9	56.8		36	ODR	
8/21/2023	70	29.16	740.66	R		NA		73	112152	-0.1	72.1	11.6	22.0	1.1	65.3		45	RMS	Blower off, tank full
8/28/2023	74	28.91	734.31	R		NA		73	112156	0.0	78.8	21.8	26.2	0.6	51.5		13	RMS	Blower off, tank full
9/5/2023	85	28.60	726.44	R		NA		73	112161	0.0	90.1	29.1	28.4	0.4	42.1		-	RMS	Blower off, tank full
9/12/2023	55	29.08	738.63	S		NA		73	112165	0.0	60.3	30.1	28.6	0.4	40.9		60	RMS	Blower off, tank full
9/18/2023	55	28.98	736.09	F		NA		73	112286	0.4	93.8	26.0	28.0	1.1	44.9		163	RMS	
9/25/2023	63	28.98	736.09	R		NA		73	112367	0.4	71.5	17.1	25.2	4.8	52.9		259	RMS	
10/4/2023	65	28.79	731.27	F		NA		73	112724	0.5	91.9	20.4	26.7	1.1	51.9		60	RMS	
10/11/2023	55	28.73	729.74	R		NA		73	113013	0.1	84.4	18.7	26.5	1.1	53.7		217	RMS	
10/25/2023	53	28.93	734.82	R		NA		73	113513	0.5		17.6	25.5	1.0	55.9		107	RMS	
10/30/2023	28	29.14	740.16	R		NA		73	113552	0.3	39.5	26.8	29.9	0.3	43.0		66	RMS	
11/8/2023	44	29.69	754.13	R		NA		73	113830	-	-	-	-	-	-		-	RMS	
11/17/2023	33	28.96	735.58	S		NA		73	114201	0.4	70.4	17.6	24.2	3.1	55.1		133	RMS	
11/21/2023	39	28.96	735.58	S		NA		73	114370	0.5	70.9	17.1	23.7	3.1	56.1		214	RMS	
11/29/2023	40	28.74	730.00	S		NA		73	114680	0.5	68.9	16.4	23.4	2.9	57.2		125	RMS	
12/6/2023	43	28.84	732.54	R		NA		73	114977	0.4	68	16.1	23.8	2.5	57.5		178	RMS	
12/15/2023	38	29.24	742.70	F		NA		73	115322	0.1	69.4	14.2	22.2	3.0	60.5		63	RMS	
12/22/2023	36	29.06	738.12	S		NA		73	115616	0.5	64.9	14.2	22.5	3.0	60.3		118	RMS	
12/28/2023	32	30.03	762.76	R		NA		73	115785	0.5	63.8	15.8	26.1	5.9	54.2		90	MEE	Restarted Blower

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
1/6/2012	84.3	29.4%	24.8	35,669.01		
1/10/2012	70.2	33.5%	23.5	135,477.22		
1/16/2012	80.2	29.5%	23.7	204,515.71		
1/23/2012	80.2	28.0%	22.5	226,469.38		
2/2/2012	85.3	22.0%	18.8	270,087.84	872,219.15	
2/7/2012	80.2	21.6%	17.3	124,789.25		
2/17/2012	80.2	24.2%	19.4	279,620.35		
2/21/2012	80.2	23.9%	19.2	110,461.59		
2/27/2012	80.2	19.0%	15.2	131,721.98	646,593.18	1,518,812.33
3/21/2012	80.2	19.8%	15.9	526,194.66		
3/27/2012	80.2	33.9%	27.2	235,019.75	761,214.41	2,280,026.74
4/4/2012	80.2	26.3%	21.1	243,107.94		
4/11/2012	85.3	22.0%	18.8	189,061.49		
4/18/2012	183.0	23.3%	42.6	429,818.45		
4/25/2012	180.5	26.2%	47.3	476,798.92	1,338,786.80	3,618,813.55
5/2/2012	144.0	23.8%	34.3	345,461.76		
5/9/2012	188.0	23.9%	44.9	452,914.56		
5/16/2012	67.0	21.0%	14.1	141,825.60		
5/25/2012	95.0	19.9%	18.9	245,008.80		
5/29/2012	135.0	22.7%	30.6	176,515.20	1,361,725.92	4,980,539.47
6/5/2012	64.0	16.9%	10.8	109,025.28		
6/13/2012	116.0	16.7%	19.4	223,165.44		
6/22/2012	144.0	17.5%	25.2	326,592.00		
6/25/2012	91.0	16.8%	15.3	66,044.16	724,826.88	5,705,366.35
7/3/2012	77.0	17.7%	13.6	157,006.08		
7/9/2012	80.0	17.1%	13.7	118,195.20		
7/19/2012	93.0	16.0%	14.9	214,272.00		
7/23/2012	74.0	17.7%	13.1	75,444.48		
7/30/2012	125.0	18.6%	23.3	234,360.00	799,277.76	6,504,644.11
8/6/2012	87.0	23.9%	20.8	209,593.44		
8/15/2012	121.0	24.7%	29.9	387,335.52		
8/20/2012	93.0	22.4%	20.8	149,990.40		
8/27/2012	90.0	19.3%	17.4	175,089.60	922,008.96	7,426,653.07
9/4/2012	113.0	20.5%	23.2	266,860.80		
9/10/2012	56.0	19.2%	10.8	92,897.28		
9/17/2012	98.0	18.6%	18.2	183,738.24		
9/25/2012	108.0	16.7%	18.0	207,774.72		
10/1/2012	131.0	15.7%	20.6	177,698.88	928,969.92	8,355,622.99
10/18/2012	0.0	0.0%	0.0	-		
10/22/2012	0.0	0.0%	0.0	-		
10/31/2012	0.0	0.0%	0.0	-		
11/7/2012	0.0	0.0%	0.0	-		
11/13/2012	0.0	0.0%	0.0	-		
11/19/2012	0.0	0.0%	0.0	-		
11/27/2012	0.0	0.0%	0.0	-		
12/7/2012	0.0	0.0%	0.0	-		
12/12/2012	0.0	0.0%	0.0	-		

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
12/19/2012	0.0	0.0%	0.0	-		
12/27/2012	0.0	0.0%	0.0	-		
1/2/2013	0.0	0.0%	0.0	-		
1/8/2013	0.0	0.0%	0.0	-		
1/15/2013	0.0	0.0%	0.0	-		
1/23/2013	0.0	0.0%	0.0	-		
2/8/2013	0.0	0.0%	0.0	-		
2/12/2013	0.0	0.0%	0.0	-		
2/27/2013	0.0	0.0%	0.0	-		
3/7/2013	0.0	0.0%	0.0	-		
3/13/2013	0.0	0.0%	0.0	-		
3/28/2013	0.0	0.0%	0.0	-		
4/2/2013	0.0	0.0%	0.0	-		
4/9/2013	0.0	0.0%	0.0	-		
4/18/2013	0.0	0.0%	0.0	-		
4/22/2013	0.0	0.0%	0.0	-		
4/29/2013	0.0	0.0%	0.0	-		
5/8/2013	0.0	0.0%	0.0	-		
5/13/2013	0.0	0.0%	0.0	-		
5/22/2013	116.0	34.9%	40.5	524,672.64		
5/29/2013	132.0	30.9%	40.8	411,143.04	935,815.68	
6/6/2013	158.0	46.9%	74.1	853,655.04		
6/13/2013	261.0	39.4%	102.8	1,036,566.72		
6/18/2013	122.0	37.0%	45.1	325,008.00		
6/25/2013	144.0	38.2%	55.0	554,480.64	2,769,710.40	3,705,526.08
7/2/2013	204.0	31.4%	64.1	645,684.48		
7/8/2013	204.0	26.5%	54.1	467,078.40		
7/17/2013	110.0	22.3%	24.5	317,908.80		
7/26/2013	169.0	20.1%	34.0	440,238.24	1,870,909.92	5,576,436.00
8/1/2013	113.0	22.0%	24.9	214,790.40		
8/8/2013	116.0	22.3%	25.9	260,749.44		
8/13/2013	257.0	22.7%	58.3	420,040.80		
8/19/2013	165.0	24.5%	40.4	349,272.00		
8/27/2013	115.0	25.3%	29.1	335,174.40	1,580,027.04	7,156,463.04
9/3/2013	138.0	24.3%	33.5	338,022.72		
9/11/2013	100.0	23.4%	23.4	269,568.00		
9/17/2013	205.0	24.1%	49.4	426,859.20		
9/24/2013	115.0	19.6%	22.5	227,203.20	1,261,653.12	8,418,116.16
10/2/2013	69.0	20.0%	13.8	158,976.00		
10/8/2013	43.0	20.5%	8.8	76,161.60		
10/15/2013	51.0	23.0%	11.7	118,238.40		
10/24/2013	85.0	19.4%	16.5	213,710.40		
10/28/2013	84.0	19.3%	16.2	93,381.12	660,467.52	9,078,583.68
11/4/2013	76.0	21.8%	16.6	167,005.44		
11/11/2013	61.0	18.4%	11.2	113,137.92		
11/19/2013	160.0	18.4%	29.4	339,148.80		
11/25/2013	100.0	22.6%	22.6	195,264.00	814,556.16	9,893,139.84

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
12/5/2013	76.0	19.2%	14.6	210,124.80		
12/13/2013	-	36.7%	#VALUE!	#VALUE!		
12/18/2013	-	43.2%	#VALUE!	#VALUE!		
12/27/2013	370.0	28.0%	103.6	1,342,656.00		
12/30/2013	356.0	20.3%	72.3	312,197.76	1,864,978.56	11,758,118.40
1/7/2014	273.0	15.6%	42.6	490,613.76		
1/15/2014	466.0	10.9%	50.8	585,146.88		
1/20/2014	336.0	12.9%	43.3	312,076.80		
1/29/2014	333.0	13.6%	45.3	586,932.48	1,974,769.92	1,974,769.92
2/4/2014	378.0	13.4%	50.7	437,633.28		
2/11/2014	288.0	12.5%	36.0	362,880.00		
2/18/2014	300.0	14.9%	44.7	450,576.00		
2/28/2014	339.0	12.6%	42.7	615,081.60	1,866,170.88	3,840,940.80
3/5/2014	310.0	11.8%	36.6	263,376.00		
3/11/2014	301.0	12.3%	37.0	319,878.72		
3/18/2014	0.0	0.0%	0.0	-		
3/25/2014	308.0	12.5%	38.5	388,080.00	971,334.72	4,812,275.52
4/1/2014	196.0	11.0%	21.6	217,324.80		
4/8/2014	324.0	12.9%	41.8	421,303.68		
4/15/2014	348.0	8.2%	28.5	287,642.88		
4/22/2014	325.0	13.6%	44.2	445,536.00	1,371,807.36	6,184,082.88
5/1/2014	346.0	14.2%	49.1	636,750.72		
5/8/2014	248.0	18.5%	45.9	462,470.40		
5/14/2014	202.0	16.3%	32.9	284,480.64		
5/20/2014	308.0	17.4%	53.6	463,034.88		
5/27/2014	333.0	18.5%	61.6	620,978.40	2,467,715.04	8,651,797.92
6/3/2014	319.0	18.9%	60.3	607,733.28		
6/10/2014	293.0	19.6%	57.4	578,874.24		
6/16/2014	422.0	18.9%	79.8	689,109.12		
6/25/2014	281.0	20.6%	57.9	750,202.56	2,625,919.20	11,277,717.12
7/1/2014	281.0	21.9%	61.5	531,696.96		
7/10/2014	341.0	21.6%	73.7	954,581.76		
7/15/2014	303.0	21.6%	65.4	471,225.60		
7/21/2014	319.0	22.5%	71.8	620,136.00		
7/28/2014	322.0	25.2%	81.1	817,931.52	3,395,571.84	14,673,288.96
8/5/2014	338.0	22.2%	75.0	864,414.72		
8/12/2014	0.0	20.4%	0.0	-		
8/19/2014	0.0	26.5%	0.0	-		
8/29/2014	0.0	20.0%	0.0	-	864,414.72	15,537,703.68
9/3/2014	0.0	16.9%	0.0	-		
9/13/2014	0.0	16.8%	0.0	-		
9/19/2014	0.0	18.1%	0.0	-		
9/24/2014	0.0	17.8%	0.0	-	-	15,537,703.68
10/1/2014	158.0	18.9%	29.9	301,008.96		
10/7/2014	153.0	15.8%	24.2	208,863.36		
10/12/2014	212.0	17.1%	36.3	261,014.40		
10/18/2014	136.0	13.4%	18.2	157,455.36		

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
10/25/2014	160.0	13.9%	22.2	224,179.20	1,152,521.28	16,690,224.96
11/7/2014	143.0	15.2%	21.7	406,897.92		
11/21/2014	251.0	19.0%	47.7	961,430.40		
11/25/2014	185.0	14.6%	27.0	155,577.60	1,523,905.92	18,214,130.88
12/1/2014	158.0	12.1%	19.1	165,179.52		
12/12/2014	85.0	25.2%	21.4	339,292.80		
12/18/2014	129.0	17.2%	22.2	191,704.32		
12/23/2014	0.0	19.0%	0.0	-	696,176.64	18,910,307.52
1/2/2015	43.0	16.5%	7.1	102,168.00		
1/6/2015	0.0	16.9%	0.0	-		
1/15/2015	0.0	17.0%	0.0	-		
1/19/2015	0.0	17.4%	0.0	-		
1/30/2015	302.0	17.3%	52.2	827,576.64	929,744.64	929,744.64
2/6/2015	257.0	13.2%	33.9	341,953.92		
2/12/2015	357.0	11.2%	40.0	345,461.76		
2/16/2015	273.0	12.4%	33.9	194,987.52		
2/24/2015	0.0	0.0%	0.0	-	882,403.20	1,812,147.84
3/4/2015	0.0	0.0%	0.0	-		
3/13/2015	357.0	19.2%	68.5	888,330.24		
3/20/2015	456.0	16.8%	76.6	772,208.64		
3/26/2015	237.0	16.2%	38.4	331,724.16	1,992,263.04	3,804,410.88
4/1/2015	287.0	17.5%	50.2	433,944.00		
4/7/2015	273.0	16.7%	45.6	393,906.24		
4/16/2015	306.0	15.7%	48.0	622,624.32		
4/22/2015	489.0	16.5%	80.7	697,118.40		
4/29/2015	351.0	13.8%	48.4	488,255.04	2,635,848.00	6,440,258.88
5/5/2015	366.0	9.5%	34.8	300,412.80		
5/12/2015	440.0	9.1%	40.0	403,603.20		
5/22/2015	585.0	8.2%	48.0	1,174,305.60		
5/26/2015	380.0	10.6%	40.3	232,012.80	2,110,334.40	8,550,593.28
6/2/2015	240.0	9.2%	22.1	222,566.40		
6/10/2015	494.0	10.0%	49.4	569,088.00		
6/16/2015	147.0	7.5%	11.0	95,256.00		
6/22/2015	398.0	11.5%	45.8	395,452.80		
6/30/2015	432.0	7.7%	33.3	383,201.28	1,665,564.48	10,216,157.76
7/8/2015	435.0	10.2%	44.4	511,142.40		
7/14/2015	399.0	10.3%	41.1	355,078.08		
7/21/2015	548.0	10.0%	54.8	552,384.00		
7/27/2015	436.0	4.7%	20.5	177,050.88	1,595,655.36	11,811,813.12
8/4/2015	349.0	11.7%	40.8	470,396.16		
8/11/2015	411.0	7.4%	30.4	306,573.12		
8/21/2015	396.0	17.5%	69.3	997,920.00		
8/25/2015	428.0	18.0%	77.0	443,750.40	2,218,639.68	14,030,452.80
9/3/2015	382.0	11.0%	42.0	544,579.20		
9/9/2015	427.0	10.8%	46.1	398,442.24		
9/16/2015	359.0	10.3%	37.0	372,728.16		
9/24/2015	331.0	10.2%	33.8	388,938.24		

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
9/29/2015	397.0	15.7%	62.3	448,768.80	2,153,456.64	16,183,909.44
10/9/2015	573.0	4.5%	25.8	371,304.00		
10/15/2015	377.0	10.9%	41.1	355,043.52		
10/22/2015	32.0	9.7%	3.1	31,288.32		
10/26/2015	391.0	10.3%	40.3	231,972.48	989,608.32	17,173,517.76
11/3/2015	312.0	10.4%	32.4	373,800.96		
11/13/2015	442.0	11.4%	50.4	725,587.20		
11/20/2015	354.0	11.1%	39.3	396,083.52		
11/23/2015	262.0	11.1%	29.1	125,634.24	1,621,105.92	18,794,623.68
12/3/2015	160.0	10.6%	17.0	244,224.00		
12/11/2015	460.0	11.5%	52.9	609,408.00		
12/17/2015	232.0	12.0%	27.8	240,537.60		
12/21/2015	293.0	11.7%	34.3	197,458.56		
12/28/2015	318.0	11.7%	37.2	375,036.48	1,666,664.64	20,461,288.32
1/4/2016	516.0	10.7%	55.2	556,536.96		
1/12/2016	322.0	9.8%	31.6	363,525.12		
1/19/2016	262.0	9.7%	25.4	256,173.12		
1/27/2016	309.0	11.1%	34.3	395,124.48	1,571,359.68	1,571,359.68
2/1/2016	483.0	10.5%	50.7	365,148.00		
2/10/2016	406.0	9.5%	38.6	499,867.20		
2/16/2016	435.0	9.2%	40.0	345,772.80		
2/22/2016	351.0	10.4%	36.5	315,394.56	1,526,182.56	3,097,542.24
3/1/2016	396.0	9.9%	39.2	451,630.08		
3/7/2016	428.0	11.2%	47.9	414,167.04		
3/15/2016	448.0	10.7%	47.9	552,222.72		
3/22/2016	51.0	12.7%	6.5	65,288.16		
3/28/2016	335.0	12.2%	40.9	353,116.80	1,836,424.80	4,933,967.04
4/4/2016	337.0	8.3%	28.0	281,947.68		
4/11/2016	309.0	11.9%	36.8	370,651.68		
4/26/2016	392.0	13.4%	52.5	1,134,604.80	1,787,204.16	6,721,171.20
5/2/2016	363.0	13.2%	47.9	413,994.24		
5/9/2016	467.0	12.0%	56.0	564,883.20		
5/17/2016	373.0	12.3%	45.9	528,526.08		
5/24/2016	429.0	14.0%	60.1	605,404.80		
5/31/2016	350.0	14.9%	52.2	525,672.00	2,638,480.32	9,359,651.52
6/6/2016	412.0	14.8%	61.0	526,832.64		
6/15/2016	382.0	5.3%	20.2	262,388.16		
6/21/2016	302.0	15.0%	45.3	391,392.00		
6/28/2016	184.0	14.1%	25.9	261,515.52	1,442,128.32	10,801,779.84
7/8/2016	289.0	21.6%	62.4	898,905.60		
7/11/2016	252.0	17.5%	44.1	190,512.00		
7/21/2016	299.0	17.0%	50.8	731,952.00		
7/25/2016	345.0	14.9%	51.4	296,092.80	2,117,462.40	12,919,242.24
8/1/2016	238.0	21.6%	51.4	518,192.64		
8/9/2016	228.0	17.3%	39.4	454,394.88		
8/17/2016	325.0	18.1%	58.8	677,664.00		
8/24/2016	317.0	18.2%	57.7	581,555.52		

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
8/29/2016	399.0	16.7%	66.6	479,757.60	2,711,564.64	15,630,806.88
9/9/2016	165.0	24.2%	39.9	632,491.20		
9/12/2016	146.0	21.1%	30.8	133,081.92		
9/20/2016	103.0	27.7%	28.5	328,677.12		
9/28/2016	257.0	21.8%	56.0	645,419.52	1,739,669.76	17,370,476.64
10/4/2016	289.0	36.1%	104.3	901,402.56		
10/10/2016	141.0	24.0%	33.8	292,377.60		
10/19/2016	286.0	19.2%	54.9	711,659.52		
10/25/2016	239.0	19.3%	46.1	398,537.28	2,303,976.96	19,674,453.60
11/1/2016	408.0	17.4%	71.0	715,599.36		
11/9/2016	347.0	26.6%	92.3	1,063,319.04		
11/25/2016	-	22.3%	-	-	1,778,918.40	21,453,372.00
12/1/2016	27.0	10.0%	2.7	23,328.00		
12/8/2016	-	9.0%	-	-		
12/14/2016	34.0	9.2%	3.1	27,025.92		
12/20/2016	11.0	9.5%	1.0	9,028.80		
12/28/2016	205.0	9.8%	20.1	231,436.80	290,819.52	21,744,191.52
1/3/2017	150.0	8.3%	12.45	107,568.00		
1/10/2017	255.0	9.7%	24.735	249,328.80		Total flow is based on Avg. Flow in 2016
1/16/2017	255.0	9.3%	23.715	204,897.60		Total flow is based on Avg. Flow in 2016
1/23/2017	255.0	8.6%	21.93	221,054.40		Total flow is based on Avg. Flow in 2016
1/30/2017	255.0	11.4%	29.07	293,025.60	1,075,874.40	1,075,874.40
2/6/2017	255.0	10.2%	26.01	262,180.80		Total flow is based on Avg. Flow in 2016
2/13/2017	255.0	10.3%	26.265	264,751.20		Total flow is based on Avg. Flow in 2016
2/21/2017	255.0	10.1%	25.755	296,697.60	823,629.60	1,899,504.00
3/3/2017	Extraction system not working					
3/7/2017						
3/15/2017	255.0	14.1%	35.955	414,201.60		Total flow is based on Avg. Flow in 2016
3/22/2017	255.0	10.9%	27.795	280,173.60		Total flow is based on Avg. Flow in 2016
3/28/2017	255.0	8.8%	22.44	193,881.60	888,256.80	2,787,760.80
4/5/2017	87.0	7.9%	6.873	79,176.96		
4/11/2017	179.0	7.2%	12.888	111,352.32		
4/15/2017	411.0	7.8%	32.058	184,654.08		
4/28/2017	310.0	6.8%	21.08	394,617.60	769,800.96	3,557,561.76
5/5/2017	283.0	6.4%	18.112	182,568.96		
5/8/2017	66.0	6.6%	4.356	18,817.92		
5/17/2017	402.0	6.7%	26.934	349,064.64		
5/24/2017	402.0	9.7%	38.994	393,059.52		
5/31/2017	293.0	8.6%	25.198	253,995.84	1,197,506.88	4,755,068.64
6/5/2017	287.0	5.6%	16.072	115,718.40		
6/17/2017	410.0	12.0%	49.2	850,176.00		
6/21/2017	244.0	11.9%	29.036	167,247.36		
6/26/2017	191.0	9.9%	18.909	136,144.80	1,269,286.56	6,024,355.20
7/5/2017	217.0	11.4%	24.738	320,604.48		
7/12/2017	246.0	10.0%	24.6	247,968.00		
7/17/2017	225.0	9.1%	20.475	147,420.00		
7/27/2017	221.0	8.2%	18.122	260,956.80	976,949.28	7,001,304.48

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
8/1/2017	296.0	8.2%	24.272	174,758.40		
8/11/2017	285.0	7.6%	21.66	311,904.00		
8/15/2017	102.0	7.6%	7.752	44,651.52		
8/25/2017	227.0	7.3%	16.571	238,622.40		
8/30/2017	227.0	7.5%	17.025	122,580.00	892,516.32	7,893,820.80
9/6/2017	392.0	7.4%	29.008	292,400.64		
9/13/2017	309.0	8.1%	25.029	252,292.32		
9/22/2017	270.0	7.7%	20.79	269,438.40		
9/26/2017	124.0	7.9%	9.796	56,424.96	870,556.32	8,764,377.12
10/7/2017	273.0	12.5%	34.125	540,540.00		
10/9/2017	-	0.0%	-	-		Blower Down
10/15/2017	273.0	19.1%	52.143	450,515.52		
10/26/2017	161.0	10.9%	17.549	277,976.16	1,269,031.68	10,033,408.80
11/2/2017	75.0	8.8%	6.6	66,528.00		
11/10/2017	189.0	7.6%	14.364	165,473.28		
11/17/2017	204.0	8.6%	17.544	176,843.52		
11/22/2017	402.0	7.1%	28.542	205,502.40		
11/27/2017	222.0	8.6%	19.092	137,462.40	751,809.60	10,785,218.40
12/8/2017	-	-	-	-		Blower Down
12/15/2017	401.0	18.3%	73.383	739,700.64		
12/19/2017	202.0	13.0%	26.26	151,257.60		
12/28/2017	426.0	9.5%	40.47	524,491.20	1,415,449.44	12,200,667.84
1/3/2018	306.0	9.0%	27.54	237,945.60		
1/8/2018	237.0	10.8%	25.596	184,291.20		
1/15/2018	287.0	9.0%	25.83	260,366.40	682,603.20	682,603.20
2/1/2018	171.0	3.9%	6.669	163,257.12		
2/9/2018	211.0	10.7%	22.577	260,087.04		
2/15/2018	221.0	10.7%	23.647	204,310.08		Total flow is based on Avg. Flow in 2018
2/21/2018	290.0	9.9%	28.71	248,054.40		
2/27/2018	102.0	9.3%	9.486	81,959.04	957,667.68	1,640,270.88
3/7/2018	221.0	9.2%	20.332	234,224.64		Total flow is based on Avg. Flow in 2018
3/14/2018	194.0	9.1%	17.654	177,952.32		
3/20/2018	259.0	12.8%	33.152	286,433.28		
3/30/2018	17.0	13.3%	2.261	32,558.40	731,168.64	2,371,439.52
4/6/2018	194.0	15.1%	29.294	295,283.52		
4/12/2018	215.0	15.8%	33.97	293,500.80		
4/16/2018	226.0	15.6%	35.256	203,074.56		
4/27/2018	285.0	26.7%	76.095	1,205,344.80		
4/30/2018	101.0	20.4%	20.604	89,009.28	2,086,212.96	4,457,652.48
5/10/2018	196.0	18.6%	36.456	524,966.40		
5/14/2018	145.0	16.0%	23.2	133,632.00		
5/22/2018	231.0	19.4%	44.814	516,257.28		
5/29/2018	276.0	22.8%	62.928	634,314.24	1,809,169.92	6,266,822.40
6/7/2018	125.0	21.8%	27.25	353,160.00		
6/12/2018	264.0	24.6%	64.944	467,596.80		
6/19/2018	122.0	25.4%	30.988	312,359.04		
6/26/2018	315.0	19.7%	62.055	625,514.40	1,758,630.24	8,025,452.64

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
7/2/2018	170.0	15.2%	25.84	223,257.60		
7/10/2018	294.0	14.1%	41.454	477,550.08		
7/20/2018	251.0	14.7%	36.897	531,316.80		
7/23/2018	233.0	13.6%	31.688	136,892.16	1,369,016.64	9,394,469.28
8/1/2018	183.0	14.3%	26.169	339,150.24		
8/6/2018	434.0	13.6%	59.024	424,972.80		
8/14/2018	151.0	13.5%	20.385	234,835.20		
8/20/2018	237.0	15.9%	37.683	325,581.12	1,324,539.36	10,719,008.64
8/27/2018	221.0	15.1%	33.371	336,379.68		Total flow is based on Avg. Flow in 2018
9/11/2018	84.0	14.1%	11.844	255,830.40		
9/19/2018	344.0	13.8%	47.472	546,877.44		
9/24/2018	246.0	31.5%	77.49	557,928.00	1,697,015.52	12,416,024.16
10/4/2018	154.0	13.9%	21.406	308,246.40		
10/11/2018	-	-	-	-		Blower Down
10/15/2018	273.0	25.2%	68.796	396,264.96		
10/29/2018	221.0	29.9%	66.079	1,332,152.64	2,036,664.00	Total flow is based on Avg. Flow in 2018
11/1/2018	171.0	21.2%	36.252	156,608.64		14,452,688.16
11/6/2018	11.0	17.8%	1.958	14,097.60		
11/13/2018	384.0	15.5%	59.52	599,961.60		
11/20/2018	77.0	17.1%	13.167	132,723.36		
11/27/2018	263.0	19.3%	50.759	511,650.72	1,415,041.92	15,867,730.08
12/7/2018	336.0	13.3%	44.688	643,507.20		
12/11/2018	277.0	13.8%	38.226	220,181.76		
12/21/2018	282.0	13.6%	38.352	552,268.80		
12/28/2018	206.0	10.9%	22.454	226,336.32		
12/31/2018	357.0	16.7%	59.619	257,554.08	1,899,848.16	17,767,578.24
1/7/2019	281.0	23.6%	66.316	668,465.28	668,465.28	668,465.28
2/1/2019	75.0	40.4%	30.3	305,424.00		
2/5/2019	197.0	34.6%	68.162	687,072.96		
2/13/2019	238.0	30.0%	71.4	719,712.00		
2/22/2019	273.0	27.2%	74.256	748,500.48		
2/28/2019	257.0	28.2%	72.474	730,537.92	3,191,247.36	3,859,712.64
3/5/2019	183.0	28.2%	51.606	520,188.48		
3/14/2019	214.0	31.3%	66.982	675,178.56		
3/20/2019	179.0	30.5%	54.595	550,317.60		
3/27/2019	164.0	18.7%	30.668	309,133.44	2,054,818.08	5,914,530.72
4/2/2019	489.0	16.4%	80.196	808,375.68		
4/8/2019	122.0	15.7%	19.154	193,072.32		
4/18/2019	461.0	21.7%	100.037	1,008,372.96		
4/26/2019	457.0	14.2%	64.894	654,131.52	2,663,952.48	8,578,483.20
5/1/2019	439.0	16.5%	72.435	730,144.80		
5/7/2019	453.0	12.5%	56.625	570,780.00		
5/14/2019	493.0	12.2%	60.146	606,271.68		
5/23/2019	693.0	3.7%	25.641	258,461.28		
5/29/2019	536.0	10.2%	54.672	551,093.76	2,716,751.52	11,295,234.72
6/3/2019	480.0	9.7%	46.56	469,324.80		
6/12/2019	532.0	10.0%	53.2	536,256.00		

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
6/17/2019	362.0	13.4%	48.508	488,960.64		
6/26/2019	662.0	20.7%	137.034	1,381,302.72	2,875,844.16	14,171,078.88
7/2/2019	390.0	18.1%	70.59	711,547.20		
7/8/2019	577.0	16.7%	96.359	971,298.72		
7/16/2019	492.0	10.3%	50.676	510,814.08		
7/24/2019	353.0	22.1%	78.013	786,371.04		
7/31/2019	540.0	4.8%	25.92	261,273.60	3,241,304.64	17,412,383.52
8/6/2019	475.0	11.1%	52.725	531,468.00		
8/14/2019	536.0	20.0%	107.2	1,080,576.00		
8/23/2019	481.0	19.6%	94.276	950,302.08		
8/27/2019	506.0	24.8%	125.488	1,264,919.04	3,827,265.12	21,239,648.64
9/6/2019	589.0	21.3%	125.457	1,264,606.56		
9/10/2019	508.0	0.7%	3.556	35,844.48		
9/20/2019	390.0	1.3%	5.07	51,105.60		
9/24/2019	237.0	20.0%	47.4	477,792.00	1,829,348.64	23,068,997.28
10/3/2019	30.0	13.8%	4.14	41,731.20		
10/11/2019	580.0	14.4%	83.52	841,881.60		
10/18/2019	438.0	14.6%	63.948	644,595.84		
10/28/2019	378.0	18.2%	68.796	693,463.68	2,221,672.32	25,290,669.60
11/6/2019	348.0	8.0%	27.84	280,627.20		
11/12/2019	569.0	12.2%	69.418	699,733.44		
11/20/2019	323.0	5.9%	19.057	192,094.56		
11/25/2019	222.0	9.7%	21.534	217,062.72	1,389,517.92	26,680,187.52
12/4/2019	357.0	10.0%	35.7	359,856.00		
12/10/2019	422.0	13.2%	55.704	561,496.32		
12/17/2019	-	-	-	-		
12/20/2019	473.0	15.1%	71.423	719,943.84		
12/26/2019	342.0	16.7%	57.114	575,709.12	2,217,005.28	28,897,192.80
1/3/2020	654.0	18.7%	122.298	1,232,763.84		
1/7/2020	553.0	17.7%	97.881	986,640.48		
1/13/2020	207.3	18.2%	37.729	380,304.29		Total flow is based on Avg. Flow in 2020 and methane volume is based on avg. methane in January
1/24/2020	207.3	17.0%	35.241	355,229.28		Total flow is based on Avg. Flow in 2020
1/29/2020	-	-	-	-	2,954,937.89	Blower Down
2/4/2020	-	-	-	-		Blower Down
2/11/2020	-	-	-	-		Blower Down
2/18/2020	-	-	-	-		Blower Down
2/25/2020	-	-	-	-	0	Blower Down
3/10/2020	-	-	-	-		Blower Down
3/17/2020	-	-	-	-		Blower Down
3/24/2020	98.0	22.8%	22.344	225,227.52		
3/31/2020	264.0	21.8%	57.552	580,124.16	805,351.68	
4/2/2020	203.0	19.1%	38.773	390,831.84		
4/6/2020	125.0	18.2%	22.75	229,320.00		
4/14/2020	85.0	13.3%	11.305	113,954.40		
4/21/2020	207.3	9.1%	18.8643	190,152.14		Total flow is based on Avg. Flow in 2020

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
4/29/2020	207.3	9.6%	19.9008	200,600.06	1,124,858.45	Total flow is based on Avg. Flow in 2020
5/5/2020	117.0	11.4%	13.338	134,447.04		
5/14/2020	68.0	9.8%	6.664	67,173.12		
5/20/2020	207.3	9.2%	19.0716	192,241.73		Total flow is based on Avg. Flow in 2020
5/28/2020	294.0	10.6%	31.164	314,133.12	707,995.01	
6/2/2020	202.0	14.9%	30.098	303,387.84		
6/9/2020	154.0	25.2%	38.808	391,184.64		
6/16/2020	281.0	16.4%	46.084	464,526.72		
6/23/2020	33.0	9.2%	3.036	30,602.88		
6/30/2020	-	-	-	-	1,189,702.08	Blower Down
7/1/2020	238.0	16.9%	40.222	405,437.76		
7/8/2020	213.0	12.4%	26.412	266,232.96		
7/13/2020	207.3	12.0%	24.876	250,750.08		Total flow is based on Avg. Flow in 2020
7/21/2020	232.0	12.5%	29	292,320.00		
7/28/2020	226.0	12.2%	27.572	277,925.76	1,492,666.56	
8/4/2020	82.0	14.4%	11.808	119,024.64		
8/11/2020	234.0	13.2%	30.888	311,351.04		
8/21/2020	108.0	14.0%	15.12	152,409.60		
8/26/2020	151.0	13.8%	20.838	210,047.04	792,832.32	
9/3/2020	106.0	12.5%	13.25	133,560.00		
9/10/2020	270.0	11.9%	32.13	323,870.40		
9/18/2020	56.0	12.1%	6.776	68,302.08		
9/25/2020	56.0	13.5%	7.56	76,204.80		
9/29/2020	337.0	12.6%	42.462	428,016.96	1,029,954.24	
10/6/2020	154.0	13.1%	20.174	203,353.92		
10/13/2020	296.0	7.8%	23.088	232,727.04		
10/21/2020	296.0	11.9%	35.224	355,057.92		
10/29/2020	152.0	9.2%	13.984	140,958.72	932,097.60	
11/5/2020	83.0	8.9%	7.387	74,460.96		
11/11/2020	262.0	8.3%	21.746	219,199.68		
11/19/2020	-	-	-	-		Blower Down
11/27/2020	221.0	10.6%	23.426	236,134.08	529,794.72	
12/4/2020	184.0	11.5%	21.16	213,292.80		
12/8/2020	79.0	12.1%	9.559	96,354.72		
12/14/2020	273.0	9.6%	26.208	264,176.64		
12/21/2020	355.0	9.4%	33.37	336,369.60		
12/28/2020	288.0	7.1%	20.448	206,115.84	1,116,309.60	12,676,500.14
1/7/2021	-	-	-	-		Blower Down
1/12/2021	191.0	24.3%	46.413	467,843.04		
1/18/2021	453.0	11.1%	50.283	506,852.64		
1/25/2021	230.6	-	-	-	974,695.68	974,695.68
2/2/2021	178.0	8.7%	15.486	156,098.88		
2/11/2021	230.6	-	-	-		Total flow is based on Avg. Flow in 2021
2/17/2021	183.0	7.9%	14.457	145,726.56		
2/26/2021	121.0	7.6%	9.196	92,695.68	394,521.12	1,369,216.80
3/3/2021	38.0	9.2%	3.496	35,239.68		
3/10/2021	-	-	-	-		Blower Down

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
3/19/2021	254.0	6.7%	17.018	171,541.44		
3/26/2021	190.0	9.9%	18.81	189,604.80	396,385.92	1,765,602.72
4/1/2021	342.0	10.7%	36.594	368,867.52	368,867.52	
5/24/2021	223.0	9.7%	21.631	218,040.48	218,040.48	
6/4/2021	245.0	9.5%	23.275	234,612.00		
6/7/2021	220.0	9.2%	20.24	204,019.20		
6/16/2021	118.0	9.0%	10.62	107,049.60		
6/22/2021	176.0	8.4%	14.784	149,022.72		
6/30/2021	307.0	8.4%	25.788	259,943.04	954,646.56	
7/8/2021	179.0	8.6%	15.394	155,171.52		
7/12/2021	162.0	8.6%	13.932	140,434.56		
7/19/2021	188.0	8.3%	15.604	157,288.32		
7/30/2021	219.0	7.5%	16.425	165,564.00	618,458.40	
8/3/2021	157.0	11.7%	18.369	185,159.52		
8/10/2021	198.0	10.1%	19.998	201,579.84		
8/20/2021	211.0	10.6%	22.366	225,449.28		
8/25/2021	158.0	9.3%	14.694	148,115.52	760,304.16	
9/1/2021	143.0	10.5%	15.015	151,351.20		
9/8/2021	77.0	10.5%	8.085	81,496.80		
9/13/2021	230.6	10.7%	-	-		Total flow is based on Avg. Flow in 2021
9/20/2021	270.0	18.3%	49.41	498,052.80		
9/28/2021	431.0	3.2%	13.792	139,023.36	869,924.16	
10/5/2021	408.0	3.0%	12.24	123,379.20		
10/13/2021	221.0	3.3%	7.293	73,513.44		
10/22/2021	343.0	2.5%	8.575	86,436.00		
10/29/2021	380.0	12.1%	45.98	463,478.40	746,807.04	
11/9/2021	176.0	12.4%	21.824	219,985.92		
11/19/2021	230.6	12.7%	-	-		Total flow is based on Avg. Flow in 2021
11/24/2021	230.6	14.9%	-	-	219,985.92	Total flow is based on Avg. Flow in 2021
12/2/2021	203	13.2%	26.796	270,103.68		
12/10/2021	459	13.3%	61.047	615,353.76		
12/16/2021	-	-	-	-		Blower Down
12/20/2021	-	-	-	-		Blower Down
12/30/2021	249	11.0%	27.39	276,091.20		7,684,185.60
1/7/2022	118	12.1%	14.278	143,922.24		
1/14/2022	-	11.1%	-	-		
1/18/2022	547.9	13.9%	76.1581	767,673.65		
1/24/2022	573.6	8.6%	49.3296	497,242.37		
1/31/2022	-	10.5%	-	-	1,408,838.26	
2/11/2022	328.7	9.8%	32.2126	324,703.01		
2/16/2022	393.9	8.8%	34.6632	349,405.06		
2/25/2022	591.1	7.5%	44.3325	446,871.60	1,120,979.66	
3/4/2022	568.2	8.5%	48.297	486,833.76		
3/9/2022	580.5	9.5%	55.1475	555,886.80		
3/18/2022	194	6.9%	13.386	134,930.88		
3/21/2022	-	14.4%	-	-		
3/31/2022	-	-	-	-	1,177,651.44	

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
4/4/2022	64.3	14.5%	9.3235	93,980.88		
4/13/2022	77.5	10.8%	8.37	84,369.60		
4/22/2022	202.2	14.2%	28.7124	289,420.99		
4/29/2022	157.4	8.6%	13.5364	136,446.91	604,218.38	
5/6/2022	129	15.9%	20.511	206,750.88		
5/11/2022	153	15.9%	24.327	245,216.16		
5/19/2022	123.6	16.0%	19.776	199,342.08		
5/26/2022	94	11.8%	11.092	111,807.36	763,116.48	
6/3/2022	168.9	8.2%	13.8498	139,605.98		
6/9/2022	144	8.5%	12.24	123,379.20		
6/13/2022	147.7	9.0%	13.293	133,993.44		
6/24/2022	239.3	10.9%	26.0837	262,923.70	659,902.32	
7/1/2022	332.2	9.5%	31.559	318,114.72		
7/8/2022	224.3	9.9%	22.2057	223,833.46		
7/14/2022	NA	9.5%	-	-		
7/22/2022	108.7	10.1%	10.9787	110,665.30		
7/28/2022	204.4	9.9%	20.2356	203,974.85	856,588.32	
8/5/2022	NA	10.5%	-	-		
8/8/2022	99.7	9.7%	9.6709	97,482.67		
8/16/2022	186.4	10.3%	19.1992	193,527.94		
8/24/2022	62.6	11.0%	6.886	69,410.88		
8/31/2022	95	11.0%	10.45	105,336.00	465,757.49	
9/7/2022	66.1	11.0%	7.271	73,291.68		
9/16/2022	353.1	11.8%	41.6658	419,991.26		
9/20/2022	588.8	12.1%	71.2448	718,147.58		
9/26/2022	181.6	11.8%	21.4288	216,002.30	1,427,432.83	
10/4/2022	21.4	13.6%	2.9104	29,336.83		
10/10/2022	188.3	13.6%	25.6088	258,136.70		
10/27/2022	115.1	13.2%	15.1932	153,147.46	440,620.99	
11/3/2022	175.5	14.0%	24.57	247,665.60		
11/8/2022	79.7	13.5%	10.7595	108,455.76		
11/14/2022	18.1	16.5%	2.9865	30,103.92		
11/22/2022	161.4	7.2%	11.6208	117,137.66		
11/30/2022	-	12.7%		-	503,362.94	
12/8/2022	85.8	14.8%	12.6984	127,999.87		
12/16/2022	129.2	16.1%	20.8012	209,676.10		
12/20/2022	187.3	13.1%	24.5363	247,325.90		
12/29/2022	313.9	15.7%	49.2823	496,765.58	1,081,767.46	10,510,236.58
1/3/2023	42.4	16.6%	7.0384	70,947.07		
1/9/2023	154.4	16.6%	25.6304	258,354.43		
1/18/2023	287.7	14.9%	42.8673	432,102.38		
1/27/2023	93.8	15.3%	14.3514	144,662.11		
1/30/2023	115.1	13.3%	15.3083	154,307.66	1,060,373.66	
2/10/2023	-	-		-		
2/17/2023			0	-		
2/21/2023	-	6.8%		-		
2/28/2023	-	0.0%		-	-	

TABLE 5.a.
EXTRACTED METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	METHANE BY VOLUME (%)	METHANE FLOW (CFM)	VOLUME OF EXTRACTED METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
3/6/2023	-	-		-		
3/15/2023	-	32.0%		-		
3/21/2023	131.3	31.2%	40.9656	412,933.25		
3/27/2023	-	30.6%		-	412,933.25	
4/3/2023	-	0.0%		-		
4/10/2023	162.6	17.8%	28.9428	291,743.42		
4/17/2023	192.1	15.3%	29.3913	296,264.30		
4/24/2023	185.1	22.2%	41.0922	414,209.38	1,002,217.10	
5/5/2023	137.3	29.5%	40.5035	408,275.28		
5/10/2023	184.5	24.0%	44.28	446,342.40		
5/16/2023	188.1	21.0%	39.501	398,170.08		
5/22/2023	158.9	16.9%	26.8541	270,689.33		
5/30/2023	148.4	16.2%	24.0408	242,331.26	1,765,808.35	
6/6/2023	86	16.7%	14.362	144,768.96		
6/12/2023	106.3	15.9%	16.9017	170,369.14		
6/19/2023	203.8	17.6%	35.8688	361,557.50		
6/26/2023	307.4	15.8%	48.5692	489,577.54	1,166,273.14	
7/5/2023	53.7	14.6%	7.8402	79,029.22		
7/12/2023	267.8	14.3%	38.2954	386,017.63		
7/21/2023	161.7	13.7%	22.1529	223,301.23		
7/27/2023	174.6	14.1%	24.6186	248,155.49	936,503.57	
8/1/2023	168.8	14.1%	23.8008	239,912.06		
8/8/2023	97.8	14.4%	14.0832	141,958.66		
8/15/2023	35.6	17.0%	6.052	61,004.16		
8/21/2023	45.4	11.6%	5.2664	53,085.31		
8/28/2023	12.6	21.8%	2.7468	27,687.74	523,647.94	
9/5/2023	-	29.1%	-	-		
9/12/2023	59.5	30.1%	17.9095	180,527.76		
9/18/2023	163	26.0%	42.38	427,190.40		
9/25/2023	258.5	17.1%	44.2035	445,571.28	1,053,289.44	
10/4/2023	59.6	20.4%	12.1584	122,556.67		
10/11/2023	217	18.7%	40.579	409,036.32		
10/25/2023	107.4	17.6%	18.9024	190,536.19		
10/30/2023	65.6	26.8%	17.5808	177,214.46	899,343.65	
11/8/2023	-	-	-	-		
11/17/2023	132.9	17.6%	23.3904	235,775.23		
11/21/2023	214.2	17.1%	36.6282	369,212.26		
11/29/2023	125	16.4%	20.5	206,640.00	811,627.49	
12/6/2023	178	16.1%	28.658	288,872.64		
12/15/2023	63.3	14.2%	8.9886	90,605.09		
12/22/2023	117.9	14.2%	16.7418	168,757.34		
12/28/2023	89.5	15.8%	14.141	142,541.28	690,776.35	10,322,793.94

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
1/6/2012	84.3	69.4%	58.5	84,198.16		
1/10/2012	70.2	66.4%	46.6	268,527.97		
1/16/2012	80.2	70.5%	56.6	488,757.89		
1/23/2012	80.2	71.6%	57.5	579,114.55		
2/2/2012	85.3	77.7%	66.2	953,901.14	2,374,499.72	
2/7/2012	80.2	78.0%	62.6	450,627.84		
2/17/2012	80.2	75.5%	60.6	872,369.28		
2/21/2012	80.2	75.9%	60.9	350,796.44		
2/27/2012	80.2	80.5%	64.6	558,085.25	2,231,878.81	4,606,378.53
3/21/2012	80.2	77.2%	61.9	2,051,627.67		
3/27/2012	80.2	65.1%	52.2	451,321.11	2,502,948.79	7,109,327.31
4/4/2012	80.2	71.7%	57.5	662,769.56		
4/11/2012	85.3	74.4%	63.4	639,371.58		
4/18/2012	183.0	73.4%	134.3	1,354,020.36		
4/25/2012	180.5	70.8%	127.8	1,288,448.99	3,944,610.49	11,053,937.80
5/2/2012	144.0	73.0%	105.1	1,059,609.60		
5/9/2012	188.0	73.2%	137.6	1,387,169.28		
5/16/2012	67.0	75.9%	50.9	512,598.24		
5/25/2012	95.0	76.9%	73.1	946,792.80		
5/29/2012	135.0	74.3%	100.3	577,756.80	4,483,926.72	15,537,864.52
6/5/2012	64.0	74.6%	47.7	481,259.52		
6/13/2012	116.0	75.5%	87.6	1,008,921.60		
6/22/2012	144.0	75.9%	109.3	1,416,476.16		
6/25/2012	91.0	75.1%	68.3	295,233.12	3,201,890.40	18,739,754.92
7/3/2012	77.0	74.6%	57.4	661,731.84		
7/9/2012	80.0	74.6%	59.7	515,635.20		
7/19/2012	93.0	76.8%	71.4	1,028,505.60		
7/23/2012	74.0	76.7%	56.8	326,926.08		
7/30/2012	125.0	73.6%	92.0	927,360.00	3,460,158.72	22,199,913.64
8/6/2012	87.0	73.4%	63.9	643,688.64		
8/15/2012	121.0	73.4%	88.8	1,151,029.44		
8/20/2012	93.0	75.9%	70.6	508,226.40		
9/25/2012	108.0	81.5%	88.0	4,562,956.80		
10/1/2012	131.0	82.4%	107.9	932,636.16	7,798,537.44	29,998,451.08
10/18/2012	0.0	0.0%	0.0	-		
10/22/2012	0.0	0.0%	0.0	-		
10/31/2012	0.0	0.0%	0.0	-		
11/7/2012	0.0	0.0%	0.0	-		
11/13/2012	0.0	0.0%	0.0	-		
11/19/2012	0.0	0.0%	0.0	-		
11/27/2012	0.0	0.0%	0.0	-		
12/7/2012	0.0	0.0%	0.0	-		
12/12/2012	0.0	0.0%	0.0	-		
12/19/2012	0.0	0.0%	0.0	-		
12/27/2012	0.0	0.0%	0.0	-		
1/2/2013	0.0	0.0%	0.0	-		
1/8/2013	0.0	0.0%	0.0	-		
1/15/2013	0.0	0.0%	0.0	-		

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
1/23/2013	0.0	0.0%	0.0	-		
2/8/2013	0.0	0.0%	0.0	-		
2/12/2013	0.0	0.0%	0.0	-		
2/27/2013	0.0	0.0%	0.0	-		
3/7/2013	0.0	0.0%	0.0	-		
3/13/2013	0.0	0.0%	0.0	-		
3/28/2013	0.0	0.0%	0.0	-		
4/2/2013	0.0	0.0%	0.0	-		
4/9/2013	0.0	0.0%	0.0	-		
4/18/2013	0.0	0.0%	0.0	-		
4/22/2013	0.0	0.0%	0.0	-		
4/29/2013	0.0	0.0%	0.0	-		
5/8/2013	0.0	0.0%	0.0	-		
5/13/2013	0.0	0.0%	0.0	-		
5/22/2013	116.0	58.7%	68.1	882,472.32		
5/29/2013	132.0	62.1%	82.0	826,277.76	1,708,750.08	
6/6/2013	158.0	48.2%	76.2	877,317.12		
6/13/2013	261.0	57.0%	148.8	1,499,601.60		
6/18/2013	122.0	59.5%	72.6	522,648.00		
6/25/2013	144.0	60.8%	87.6	882,524.16	3,782,090.88	5,490,840.96
7/2/2013	204.0	67.4%	137.5	1,385,959.68		
7/8/2013	204.0	72.1%	147.1	1,270,805.76		
7/17/2013	110.0	76.4%	84.0	1,089,158.40		
7/26/2013	169.0	78.9%	133.3	1,728,099.36	5,474,023.20	10,964,864.16
8/1/2013	113.0	76.7%	86.7	748,837.44		
8/8/2013	116.0	76.3%	88.5	892,160.64		
8/13/2013	257.0	75.8%	194.8	1,402,603.20		
8/19/2013	165.0	74.2%	122.4	1,057,795.20		
8/27/2013	115.0	73.6%	84.6	975,052.80	5,076,449.28	16,041,313.44
9/3/2013	138.0	74.5%	102.8	1,036,324.80		
9/11/2013	100.0	75.6%	75.6	870,912.00		
9/17/2013	205.0	74.9%	153.5	1,326,628.80		
9/24/2013	115.0	77.4%	89.0	897,220.80	4,131,086.40	20,172,399.84
10/2/2013	69.0	79.0%	54.5	627,955.20		
10/8/2013	43.0	78.2%	33.6	290,528.64		
10/15/2013	51.0	75.9%	38.7	390,186.72		
10/24/2013	85.0	79.3%	67.4	873,568.80		
10/28/2013	84.0	79.5%	66.8	384,652.80	2,566,892.16	22,739,292.00
11/4/2013	76.0	77.1%	58.6	590,647.68		
11/11/2013	61.0	80.1%	48.9	492,518.88		
11/19/2013	160.0	78.8%	126.1	1,452,441.60		
11/25/2013	100.0	76.2%	76.2	658,368.00	3,193,976.16	25,933,268.16
12/5/2013	76.0	79.6%	60.5	871,142.40		
12/13/2013	0.1	58.4%	0.1	672.77		
12/18/2013	0.1	54.8%	0.1	394.56		
12/27/2013	370.0	70.2%	259.7	3,366,230.40		
12/30/2013	356.0	78.0%	277.7	1,199,577.60	5,436,950.40	31,370,218.56
1/7/2014	273.0	81.9%	223.6	2,575,722.24		

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
1/15/2014	466.0	81.5%	379.8	4,375,180.80		
1/20/2014	336.0	83.7%	281.2	2,024,870.40		
1/29/2014	333.0	83.9%	279.4	3,620,855.52	12,596,628.96	12,596,628.96
2/4/2014	378.0	84.3%	318.7	2,753,170.56		
2/11/2014	288.0	85.2%	245.4	2,473,390.08		
2/18/2014	300.0	83.1%	249.3	2,512,944.00		
2/28/2014	339.0	84.0%	284.8	4,100,544.00	11,840,048.64	24,436,677.60
3/5/2014	310.0	85.7%	265.7	1,912,824.00		
3/11/2014	301.0	85.0%	255.9	2,210,544.00		
3/18/2014	0.0	0.0%	0.0	-		
3/25/2014	308.0	85.6%	263.6	2,657,571.84	6,780,939.84	31,217,617.44
4/1/2014	196.0	86.6%	169.7	1,710,938.88		
4/8/2014	324.0	85.0%	275.4	2,776,032.00		
4/15/2014	348.0	81.2%	282.6	2,848,366.08		
4/22/2014	325.0	84.3%	274.0	2,761,668.00	10,097,004.96	41,314,622.40
5/1/2014	346.0	83.9%	290.3	3,762,210.24		
5/8/2014	248.0	79.7%	197.7	1,992,372.48		
5/14/2014	202.0	82.3%	166.2	1,436,365.44		
5/20/2014	308.0	81.9%	252.3	2,179,457.28		
5/27/2014	333.0	81.1%	270.1	2,722,235.04	12,092,640.48	53,407,262.88
6/3/2014	319.0	80.7%	257.4	2,594,924.64		
6/10/2014	293.0	80.0%	234.4	2,362,752.00		
6/16/2014	422.0	80.7%	340.6	2,942,386.56		
6/25/2014	281.0	79.0%	222.0	2,876,990.40	10,777,053.60	64,184,316.48
7/1/2014	281.0	77.7%	218.3	1,886,431.68		
7/10/2014	341.0	78.1%	266.3	3,451,520.16		
7/15/2014	303.0	78.0%	236.3	1,701,648.00		
7/21/2014	319.0	77.1%	245.9	2,124,999.36		
7/28/2014	322.0	74.4%	239.6	2,414,845.44	11,579,444.64	75,763,761.12
8/5/2014	338.0	77.0%	260.3	2,998,195.20		
8/12/2014	0.0	79.0%	0.0	-		
8/19/2014	0.0	73.3%	0.0	-		
8/29/2014	0.0	79.6%	0.0	-	2,998,195.20	78,761,956.32
9/3/2014	0.0	81.6%	0.0	-		
9/13/2014	0.0	82.7%	0.0	-		
9/19/2014	0.0	81.6%	0.0	-		
9/24/2014	0.0	80.9%	0.0	-	-	78,761,956.32
10/1/2014	158.0	80.6%	127.3	1,283,667.84		
10/7/2014	153.0	78.2%	119.6	1,033,741.44		
10/12/2014	212.0	82.2%	174.3	1,254,700.80		
10/18/2014	136.0	85.3%	116.0	1,002,309.12	4,574,419.20	83,336,375.52
10/25/2014	160.0	84.9%	135.8	1,369,267.20		
11/7/2014	143.0	84.2%	120.4	2,254,000.32		
11/21/2014	251.0	78.2%	196.3	3,957,045.12	7,580,312.64	90,916,688.16
11/25/2014	185.0	83.7%	154.8	891,907.20		
12/1/2014	158.0	85.8%	135.6	1,171,272.96		
12/12/2014	85.0	74.2%	63.1	999,028.80		
12/18/2014	129.0	82.0%	105.8	913,939.20	3,976,148.16	94,892,836.32

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
12/23/2014	0.0	80.3%	0.0	-		
1/2/2015	43.0	82.4%	35.4	510,220.80		
1/6/2015	0.0	82.0%	0.0	-		
1/15/2015	0.0	82.1%	0.0	-		
1/19/2015	0.0	81.6%	0.0	-	510,220.80	510,220.80
1/30/2015	302.0	80.8%	244.0	3,865,213.44		
2/6/2015	257.0	83.8%	215.4	2,170,889.28		
2/12/2015	357.0	85.6%	305.6	2,640,314.88		
2/16/2015	273.0	85.5%	233.4	1,344,470.40		
2/24/2015	0.0	0.0%	0.0	-	6,155,674.56	6,665,895.36
3/4/2015	0.0	0.0%	0.0	-		
3/13/2015	357.0	80.4%	287.0	3,719,882.88		
3/20/2015	456.0	82.4%	375.7	3,787,499.52		
3/26/2015	237.0	82.9%	196.5	1,697,526.72	9,204,909.12	15,870,804.48
4/1/2015	287.0	81.5%	233.9	2,020,939.20		
4/7/2015	273.0	82.2%	224.4	1,938,867.84		
4/16/2015	306.0	83.3%	254.9	3,303,478.08		
4/22/2015	489.0	79.8%	390.2	3,371,518.08		
4/29/2015	351.0	81.0%	284.3	2,865,844.80	13,500,648.00	29,371,452.48
5/5/2015	366.0	84.1%	307.8	2,659,443.84		
5/12/2015	440.0	86.0%	378.4	3,814,272.00		
5/22/2015	585.0	86.1%	503.7	7,253,064.00		
5/26/2015	380.0	86.3%	327.9	1,888,934.40	15,615,714.24	44,987,166.72
6/2/2015	240.0	87.5%	210.0	2,116,800.00		
6/10/2015	494.0	89.1%	440.2	5,070,574.08		
6/16/2015	147.0	91.4%	134.4	1,160,853.12		
6/22/2015	398.0	87.3%	347.5	3,002,002.56		
6/30/2015	432.0	90.1%	389.2	4,483,952.64	15,834,182.40	60,821,349.12
7/8/2015	435.0	88.3%	384.1	4,424,889.60		
7/14/2015	399.0	87.7%	349.9	3,023,334.72		
7/21/2015	548.0	87.9%	481.7	4,855,455.36		
7/27/2015	436.0	87.4%	381.1	3,292,392.96	15,596,072.64	76,417,421.76
8/4/2015	349.0	86.7%	302.6	3,485,756.16		
8/11/2015	411.0	89.9%	369.5	3,724,449.12		
8/21/2015	396.0	80.7%	319.6	4,601,836.80		
8/25/2015	428.0	81.5%	348.8	2,009,203.20	13,821,245.28	90,238,667.04
9/3/2015	382.0	87.7%	335.0	4,341,781.44		
9/9/2015	427.0	88.0%	375.8	3,246,566.40		
9/16/2015	359.0	88.5%	317.7	3,202,567.20		
9/24/2015	331.0	88.6%	293.3	3,378,424.32		
9/29/2015	397.0	80.4%	319.2	2,298,153.60	16,467,492.96	106,706,160.00
10/9/2015	573.0	83.7%	479.6	6,906,254.40		
10/15/2015	377.0	87.9%	331.4	2,863,149.12		
10/22/2015	32.0	89.1%	28.5	287,400.96		
10/26/2015	391.0	88.8%	347.2	1,999,918.08	12,056,722.56	118,762,882.56
11/3/2015	312.0	88.7%	276.7	3,188,090.88		
11/13/2015	442.0	87.9%	388.5	5,594,659.20		
11/20/2015	354.0	88.1%	311.9	3,143,689.92		

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
11/23/2015	262.0	88.2%	231.1	998,282.88	12,924,722.88	131,687,605.44
12/3/2015	160.0	88.1%	141.0	2,029,824.00		
12/11/2015	460.0	87.8%	403.9	4,652,697.60		
12/17/2015	232.0	86.9%	201.6	1,741,893.12		
12/21/2015	293.0	87.4%	256.1	1,475,032.32		
12/28/2015	318.0	87.4%	277.9	2,801,554.56	12,701,001.60	144,388,607.04
1/4/2016	516.0	88.3%	455.6	4,592,730.24		
1/12/2016	322.0	89.3%	287.5	3,312,529.92		
1/19/2016	262.0	89.4%	234.2	2,361,018.24		
1/27/2016	309.0	88.4%	273.2	3,146,757.12	13,413,035.52	13,413,035.52
2/1/2016	483.0	88.2%	426.0	3,067,243.20		
2/10/2016	406.0	89.3%	362.6	4,698,751.68		
2/16/2016	435.0	89.8%	390.6	3,375,043.20		
2/22/2016	351.0	88.9%	312.0	2,696,016.96	13,837,055.04	27,250,090.56
3/1/2016	396.0	89.1%	352.8	4,064,670.72		
3/7/2016	428.0	85.9%	367.7	3,176,513.28		
3/15/2016	448.0	85.7%	383.9	4,422,942.72		
3/22/2016	51.0	85.5%	43.6	439,538.40		
3/28/2016	335.0	86.3%	289.1	2,497,867.20	14,601,532.32	41,851,622.88
4/4/2016	337.0	85.8%	289.1	2,914,591.68		
4/11/2016	309.0	85.4%	263.9	2,659,970.88		
4/26/2016	392.0	85.1%	333.6	7,205,587.20	12,780,149.76	54,631,772.64
5/2/2016	363.0	84.6%	307.1	2,653,326.72		
5/9/2016	467.0	84.3%	393.7	3,968,304.48		
5/17/2016	373.0	85.1%	317.4	3,656,712.96		
5/24/2016	429.0	83.8%	359.5	3,623,780.16		
5/31/2016	350.0	83.7%	293.0	2,952,936.00	16,855,060.32	71,486,832.96
6/6/2016	412.0	83.8%	345.3	2,983,011.84		
6/15/2016	382.0	82.3%	314.4	4,074,442.56		
6/21/2016	302.0	82.9%	250.4	2,163,093.12		
6/28/2016	184.0	84.1%	154.7	1,559,819.52	10,780,367.04	82,267,200.00
7/8/2016	289.0	76.1%	219.9	3,166,977.60		
7/11/2016	252.0	81.5%	205.4	887,241.60		
7/21/2016	299.0	81.8%	244.6	3,521,980.80		
7/25/2016	345.0	83.1%	286.7	1,651,363.20	9,227,563.20	91,494,763.20
8/1/2016	238.0	71.4%	169.9	1,712,914.56		
8/9/2016	228.0	80.9%	184.5	2,124,887.04		
8/17/2016	325.0	81.1%	263.6	3,036,384.00		
8/24/2016	317.0	81.0%	256.8	2,588,241.60		
8/29/2016	399.0	82.2%	328.0	2,361,441.60	11,823,868.80	103,318,632.00
9/9/2016	165.0	72.0%	118.8	1,881,792.00		
9/12/2016	146.0	78.0%	113.9	491,961.60		
9/20/2016	103.0	69.2%	71.3	821,099.52		
9/28/2016	257.0	75.3%	193.5	2,229,361.92	5,424,215.04	108,742,847.04
10/4/2016	289.0	62.1%	179.5	1,550,612.16		
10/10/2016	141.0	73.8%	104.1	899,061.12		
10/19/2016	286.0	78.0%	223.1	2,891,116.80		
10/25/2016	239.0	78.2%	186.9	1,614,798.72	6,955,588.80	115,698,435.84

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
11/1/2016	408.0	79.7%	325.2	3,277,774.08		
11/9/2016	347.0	71.2%	247.1	2,846,177.28		
11/25/2016	-	75.8%	-	-	6,123,951.36	121,822,387.20
12/1/2016	27.0	86.6%	23.4	202,020.48		
12/8/2016	-	87.9%	-	-		
12/14/2016	34.0	87.9%	29.9	258,215.04		
12/20/2016	11.0	88.2%	9.7	83,825.28		
12/28/2016	205.0	89.6%	183.7	2,115,993.60	2,660,054.40	124,482,441.60
1/3/2017	150.0	90.6%	135.9	1,174,176.00		
1/10/2017	255.0	89.9%	229.2	2,310,789.60		
1/16/2017	255.0	90.0%	229.5	1,982,880.00		
1/23/2017	255.0	90.4%	230.5	2,323,641.60		
1/30/2017	255.0	88.2%	224.9	2,267,092.80	10,058,580.00	10,058,580.00
2/6/2017	255.0	89.3%	227.7	2,295,367.20		
2/13/2017	255.0	89.2%	227.5	2,292,796.80		
2/21/2017	255.0	89.3%	227.7	2,623,276.80	7,211,440.80	17,270,020.80
3/3/2017 3/7/2017	Extraction system not working					
3/15/2017	255.0	84.6%	215.7	2,485,209.60		
3/22/2017	255.0	87.4%	222.9	2,246,529.60		
3/28/2017	255.0	89.4%	228.0	1,969,660.80	6,701,400.00	23,971,420.80
4/5/2017	87.0	90.3%	78.6	905,022.72		
4/11/2017	179.0	90.9%	162.7	1,405,823.04		
4/15/2017	411.0	91.1%	374.4	2,156,664.96		
4/28/2017	310.0	91.3%	283.0	5,298,321.60	9,765,832.32	33,737,253.12
5/5/2017	283.0	92.6%	262.1	2,641,544.64		
5/8/2017	66.0	92.4%	61.0	263,450.88		
5/17/2017	402.0	92.4%	371.4	4,813,966.08		
5/24/2017	402.0	90.1%	362.2	3,650,996.16		
5/31/2017	293.0	83.9%	245.8	2,477,936.16	13,847,893.92	47,585,147.04
6/5/2017	287.0	82.0%	235.3	1,694,448.00		
6/17/2017	410.0	82.3%	337.4	5,830,790.40		
6/21/2017	244.0	86.9%	212.0	1,221,327.36		
6/26/2017	191.0	88.6%	169.2	1,218,427.20	9,964,992.96	57,550,140.00
7/5/2017	217.0	82.9%	179.9	2,331,413.28		
7/12/2017	246.0	88.5%	217.7	2,194,516.80		
7/17/2017	225.0	89.4%	201.2	1,448,280.00		
7/27/2017	221.0	90.3%	199.6	2,873,707.20	8,847,917.28	66,398,057.28
8/1/2017	296.0	90.1%	266.7	1,920,211.20		
8/11/2017	285.0	90.9%	259.1	3,730,536.00		
8/15/2017	102.0	91.0%	92.8	534,643.20		
8/25/2017	227.0	91.0%	206.6	2,974,608.00		
8/30/2017	227.0	91.0%	206.6	1,487,304.00	10,647,302.40	77,045,359.68
9/6/2017	392.0	90.9%	356.3	3,591,786.24		
9/13/2017	309.0	90.5%	279.6	2,818,821.60		
9/22/2017	270.0	90.7%	244.9	3,173,774.40		
9/26/2017	124.0	90.5%	112.2	646,387.20	10,230,769.44	87,276,129.12
10/7/2017	273.0	87.3%	238.3	3,775,131.36		

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
10/9/2017	-	79.4%	-	-		Blower Down
10/15/2017	273.0	76.6%	209.1	1,806,779.52		
10/26/2017	161.0	86.3%	138.9	2,200,857.12	7,782,768.00	95,058,897.12
11/2/2017	75.0	88.0%	66.0	665,280.00		
11/10/2017	189.0	87.1%	164.6	1,896,410.88		
11/17/2017	204.0	86.7%	176.9	1,782,829.44		
11/22/2017	402.0	87.5%	351.8	2,532,600.00		
11/27/2017	222.0	86.8%	192.7	1,387,411.20	8,264,531.52	103,323,428.64
12/8/2017	-	-	-	-		Blower Down
12/15/2017	401.0	78.6%	315.2	3,177,074.88		
12/19/2017	202.0	85.2%	172.1	991,319.04		
12/28/2017	426.0	88.3%	376.2	4,875,007.68	9,043,401.60	112,366,830.24
1/3/2018	306.0	88.9%	272.0	2,350,373.76		
1/8/2018	237.0	81.7%	193.6	1,394,128.80		
1/15/2018	287.0	90.0%	258.3	2,603,664.00	6,348,166.56	6,348,166.56
2/1/2018	171.0	82.5%	141.1	3,453,516.00		
2/9/2018	211.0	88.5%	186.7	2,151,187.20		
2/15/2018	221.0	88.5%	195.6	1,689,854.40		Total flow is based on Avg. Flow in 2018
2/21/2018	290.0	89.2%	258.7	2,234,995.20		
2/27/2018	102.0	89.7%	91.5	790,508.16	10,320,060.96	16,668,227.52
3/7/2018	221.0	89.8%	198.5	2,286,236.16		Total flow is based on Avg. Flow in 2018
3/14/2018	194.0	90.0%	174.6	1,759,968.00		
3/20/2018	259.0	86.8%	224.8	1,942,375.68		
3/30/2018	17.0	84.9%	14.4	207,835.20	6,196,415.04	22,864,642.56
4/6/2018	194.0	84.5%	163.9	1,652,414.40		
4/12/2018	215.0	83.8%	180.2	1,556,668.80		
4/16/2018	226.0	84.1%	190.1	1,094,780.16		
4/27/2018	285.0	72.9%	207.8	3,290,997.60		
4/30/2018	101.0	79.3%	80.1	346,001.76	7,940,862.72	30,805,505.28
5/10/2018	196.0	81.1%	159.0	2,288,966.40		
5/14/2018	145.0	82.5%	119.6	689,040.00		
5/22/2018	231.0	77.6%	179.3	2,065,029.12		
5/29/2018	276.0	76.5%	211.1	2,128,291.20	7,171,326.72	37,976,832.00
6/7/2018	125.0	74.2%	92.8	1,202,040.00		
6/12/2018	264.0	72.6%	191.7	1,379,980.80		
6/19/2018	122.0	73.6%	89.8	905,103.36		
6/26/2018	315.0	79.9%	251.7	2,536,984.80	6,024,108.96	44,000,940.96
7/2/2018	170.0	84.3%	143.3	1,238,198.40		
7/10/2018	294.0	85.4%	251.1	2,892,395.52		
7/20/2018	251.0	84.7%	212.6	3,061,396.80		
7/23/2018	233.0	85.8%	199.9	863,628.48	8,055,619.20	52,056,560.16
8/1/2018	183.0	85.1%	155.7	2,018,299.68		
8/6/2018	434.0	85.8%	372.4	2,681,078.40		
8/14/2018	151.0	85.9%	129.7	1,494,247.68		
8/20/2018	237.0	83.8%	198.6	1,715,955.84	7,909,581.60	59,966,141.76
8/27/2018	221.0	84.3%	186.3	1,877,934.24		Total flow is based on Avg. Flow in 2018
9/11/2018	84.0	85.2%	71.6	2,267,274.24		
9/19/2018	344.0	85.6%	294.5	3,392,225.28		

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
9/24/2018	246.0	68.2%	167.8	1,207,958.40	6,867,457.92	66,833,599.68
10/4/2018	154.0	85.2%	131.2	1,889,395.20		
10/11/2018	-	-	-	-		Blower Down
10/15/2018	273.0	74.4%	203.1	1,169,925.12		
10/29/2018	221.0	66.9%	147.8	2,980,635.84	4,150,560.96	Total flow is based on Avg. Flow in 2018
11/1/2018	171.0	78.1%	133.6	576,940.32		70,984,160.64
11/6/2018	11.0	81.6%	9.0	64,627.20		
11/13/2018	384.0	83.8%	321.8	3,243,663.36		
11/20/2018	77.0	82.0%	63.1	636,451.20		
11/27/2018	263.0	80.4%	211.5	2,131,436.16	6,653,118.24	77,637,278.88
12/7/2018	336.0	86.0%	289.0	4,161,024.00		
12/11/2018	277.0	85.5%	236.8	1,364,169.60		
12/21/2018	282.0	85.7%	241.7	3,480,105.60		
12/28/2018	206.0	88.2%	181.7	1,831,455.36		
12/31/2018	357.0	78.8%	281.3	1,215,285.12	12,052,039.68	89,689,318.56
1/7/2019	281.0	73.2%	205.7	2,073,375.36	2,073,375.36	2,073,375.36
2/1/2019	75.0	58.8%	44.1	444,528.00		
2/5/2019	197.0	64.6%	127.3	1,282,800.96		
2/13/2019	238.0	69.2%	164.7	1,660,135.68		
2/22/2019	273.0	71.5%	195.2	1,967,565.60		
2/28/2019	257.0	70.5%	181.2	1,826,344.80	7,181,375.04	9,254,750.40
3/5/2019	183.0	70.3%	128.6	1,296,781.92		
3/14/2019	214.0	67.6%	144.7	1,458,213.12		
3/20/2019	179.0	68.3%	122.3	1,232,350.56		
3/27/2019	164.0	81.0%	132.8	1,339,027.20	5,326,372.80	14,581,123.20
4/2/2019	489.0	83.2%	406.8	4,101,027.84		
4/8/2019	122.0	83.8%	102.2	1,030,538.88		
4/18/2019	461.0	77.7%	358.2	3,610,625.76		
4/26/2019	457.0	87.1%	398.0	4,012,313.76	12,754,506.24	27,335,629.44
5/1/2019	439.0	83.0%	364.4	3,672,849.60		
5/7/2019	453.0	86.8%	393.2	3,963,496.32		
5/14/2019	493.0	87.1%	429.4	4,328,382.24		
5/23/2019	693.0	84.0%	582.1	5,867,769.60		
5/29/2019	536.0	89.2%	478.1	4,819,368.96	22,651,866.72	49,987,496.16
6/3/2019	480.0	89.7%	430.6	4,340,044.80		
6/12/2019	532.0	89.4%	475.6	4,794,128.64		
6/17/2019	362.0	83.8%	303.4	3,057,828.48		
6/26/2019	662.0	73.9%	489.2	4,931,317.44	17,123,319.36	67,110,815.52
7/2/2019	390.0	76.9%	299.9	3,023,092.80		
7/8/2019	577.0	78.0%	450.1	4,536,604.80		
7/16/2019	492.0	80.1%	394.1	3,972,447.36		
7/24/2019	353.0	74.6%	263.3	2,654,447.04		
7/31/2019	540.0	80.3%	433.6	4,370,889.60	18,557,481.60	85,668,297.12
8/6/2019	475.0	77.5%	368.1	3,710,700.00		
8/14/2019	536.0	77.5%	415.4	4,187,232.00		
8/23/2019	481.0	73.9%	355.5	3,583,026.72		
8/27/2019	506.0	71.7%	362.8	3,657,044.16	15,138,002.88	100,806,300.00
9/6/2019	589.0	70.3%	414.1	4,173,795.36		

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
9/10/2019	508.0	80.1%	406.9	4,101,632.64		
9/20/2019	390.0	80.2%	312.8	3,152,822.40		
9/24/2019	237.0	74.1%	175.6	1,770,219.36	13,198,469.76	114,004,769.76
10/3/2019	30.0	85.4%	25.6	258,249.60		
10/11/2019	580.0	83.9%	486.6	4,905,129.60		
10/18/2019	438.0	83.8%	367.0	3,699,803.52		
10/28/2019	378.0	79.6%	300.9	3,032,951.04	11,896,133.76	125,900,903.52
11/6/2019	348.0	85.8%	298.6	3,009,726.72		
11/12/2019	569.0	85.0%	483.7	4,875,192.00		
11/20/2019	323.0	88.0%	284.2	2,865,139.20		
11/25/2019	222.0	87.6%	194.5	1,960,277.76	12,710,335.68	138,611,239.20
12/4/2019	357.0	89.2%	318.4	3,209,915.52		
12/10/2019	422.0	85.9%	362.5	3,653,979.84		
12/17/2019	-	-	-	-		
12/20/2019	473.0	84.4%	399.2	4,024,056.96		
12/26/2019	342.0	82.8%	283.2	2,854,414.08	13,742,366.40	152,353,605.60
1/3/2020	654.0	80.8%	528.4	5,326,594.56		
1/7/2020	553.0	81.7%	451.8	4,554,154.08		
1/13/2020	207.3	81.8%	169.6	1,709,279.71		Total flow is based on Avg. Flow in 2020
1/24/2020	207.3	83.0%	172.1	1,734,354.72		Total flow is based on Avg. Flow in 2021
1/29/2020	-	-	-	-	13,324,383.07	Blower Down
2/4/2020	-	-	-	-		Blower Down
2/11/2020	-	-	-	-		Blower Down
2/18/2020	-	-	-	-		Blower Down
2/25/2020	-	-	-	-	0	Blower Down
3/10/2020	-	-	-	-		Blower Down
3/17/2020	-	-	-	-		Blower Down
3/24/2020	98.0	76.8%	75.3	758,661.12		
3/31/2020	264.0	78.0%	205.9	2,075,673.60	2,834,334.72	
4/2/2020	203.0	80.6%	163.6	1,649,269.44		
4/6/2020	125.0	81.4%	101.8	1,025,640.00		
4/14/2020	85.0	86.1%	73.2	737,704.80		
4/21/2020	207.3	87.1%	180.6	1,820,027.66		Total flow is based on Avg. Flow in 2020
4/29/2020	207.3	89.4%	185.3	1,868,088.10	7,100,730.00	Total flow is based on Avg. Flow in 2020
5/5/2020	117.0	88.0%	103.0	1,037,836.80		
5/14/2020	68.0	89.3%	60.7	612,097.92		
5/20/2020	207.3	89.8%	186.2	1,876,446.43		Total flow is based on Avg. Flow in 2020
5/28/2020	294.0	88.6%	260.5	2,625,678.72	6,152,059.87	
6/2/2020	202.0	84.6%	170.9	1,722,591.36		
6/9/2020	154.0	74.5%	114.7	1,156,478.40		
6/16/2020	281.0	83.2%	233.8	2,356,623.36		
6/23/2020	33.0	82.4%	27.2	274,095.36		
6/30/2020	-	-	-	-	5,509,788.48	Blower Down
7/1/2020	238.0	82.5%	196.4	1,979,208.00		
7/8/2020	213.0	81.7%	174.0	1,754,131.68		
7/13/2020	207.3	81.5%	168.9	1,703,010.96		Total flow is based on Avg. Flow in 2020
7/21/2020	232.0	81.9%	190.0	1,915,280.64		
7/28/2020	226.0	81.7%	184.6	1,861,191.36	9,212,822.64	

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
8/4/2020	82.0	79.6%	65.3	657,941.76		
8/11/2020	234.0	80.9%	189.3	1,908,204.48		
8/21/2020	108.0	80.6%	87.0	877,443.84		
8/26/2020	151.0	81.1%	122.5	1,234,406.88	4,677,996.96	
9/3/2020	106.0	82.2%	87.1	878,290.56		
9/10/2020	270.0	82.6%	223.0	2,248,041.60		
9/18/2020	56.0	82.3%	46.1	464,567.04		
9/25/2020	56.0	81.5%	45.6	460,051.20		
9/29/2020	337.0	82.3%	277.4	2,795,698.08	6,846,648.48	
10/6/2020	154.0	83.6%	128.7	1,297,739.52		
10/13/2020	296.0	85.6%	253.4	2,554,030.08		
10/21/2020	296.0	85.4%	252.8	2,548,062.72		
10/29/2020	152.0	86.8%	131.9	1,329,914.88	7,729,747.20	
11/5/2020	83.0	87.2%	72.4	729,550.08		
11/11/2020	262.0	89.3%	234.0	2,358,377.28		
11/19/2020	-	-	-	-		Blower Down
11/27/2020	221.0	81.0%	179.0	1,804,420.80	4,892,348.16	
12/4/2020	184.0	83.6%	153.8	1,550,545.92		
12/8/2020	79.0	83.8%	66.2	667,316.16		
12/14/2020	273.0	85.2%	232.6	2,344,567.68		
12/21/2020	355.0	84.5%	300.0	3,023,748.00		
12/28/2020	288.0	84.8%	244.2	2,461,777.92	10,047,955.68	78,328,815.26
1/7/2021	-	-	-	-		
1/12/2021	191.0	75.4%	144.0	1,451,661.12		
1/18/2021	453.0	82.2%	372.4	3,753,449.28		
1/25/2021	-	-	-	-	5,205,110.40	
2/2/2021	178.0	85.6%	152.4	1,535,869.44		
2/11/2021	-	-	-	-		
2/17/2021	183.0	85.9%	157.2	1,584,545.76		
2/26/2021	121.0	86.5%	104.7	1,055,023.20	4,175,438.40	
3/3/2021	38.0	86.3%	32.8	330,563.52		
3/10/2021	-	-	-	-		
3/19/2021	254.0	85.2%	216.4	2,181,392.64		
3/26/2021	190.0	86.0%	163.4	1,647,072.00	4,159,028.16	
4/1/2021	342.0	88.6%	303.0	3,054,360.96	3,054,360.96	
5/24/2021	223.0	89.7%	200.0	2,016,312.48	2,016,312.48	
6/4/2021	245.0	89.9%	220.3	2,220,170.40		
6/7/2021	220.0	90.2%	198.4	2,000,275.20		
6/16/2021	118.0	90.1%	106.3	1,071,685.44		
6/22/2021	176.0	90.6%	159.5	1,607,316.48		
6/30/2021	307.0	90.6%	278.1	2,803,671.36	9,703,118.88	
7/8/2021	179.0	90.4%	161.8	1,631,105.28		
7/12/2021	162.0	90.3%	146.3	1,474,562.88		
7/19/2021	188.0	90.4%	170.0	1,713,116.16		
7/30/2021	219.0	92.0%	201.5	2,030,918.40	6,849,702.72	
8/3/2021	157.0	88.1%	138.3	1,394,235.36		
8/10/2021	198.0	88.9%	176.0	1,774,301.76		
8/20/2021	211.0	88.6%	186.9	1,884,415.68		

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
8/25/2021	158.0	89.6%	141.6	1,427,005.44	6,479,958.24	
9/1/2021	143.0	89.5%	128.0	1,290,088.80		
9/8/2021	77.0	89.5%	68.9	694,663.20		
9/13/2021	-	89.3%		-		
9/20/2021	270.0	81.7%	220.6	2,223,547.20		
9/28/2021	431.0	96.8%	417.2	4,205,456.64	8,413,755.84	
10/5/2021	408.0	97.0%	395.8	3,989,260.80		
10/13/2021	221.0	96.7%	213.7	2,154,166.56		
10/22/2021	343.0	97.5%	334.4	3,371,004.00		
10/29/2021	380.0	87.9%	334.0	3,366,921.60	12,881,352.96	
11/9/2021	176.0	87.6%	154.2	1,554,094.08		
11/19/2021	-	87.3%		-		Flow Instrument Not Working
11/24/2021	-	85.1%		-	1,554,094.08	
12/2/2021	203	86.80%	176.2	1,776,136.32		
12/10/2021	459	86.70%	398.0	4,011,366.24		
12/16/2021	-	-		-		Blower
12/20/2021	-	-		-		Down
12/30/2021	249	89%	221.6	2,233,828.80	8,021,331.36	72,513,564.48
					72,513,564.48	
1/7/2022	118.0	87.9%	103.7	1,045,517.76		
1/14/2022	-	88.9%	-			Flow Not Working
1/18/2022	547.9	86.1%	471.7	4,755,158.35		
1/24/2022	573.6	91.4%	524.3	5,284,645.63		
1/31/2022	587.5	89.5%	525.8	5,300,190.00	16,385,511.74	
2/11/2022	328.7	90.2%	296.5	2,988,592.99		
2/16/2022	393.9	91.2%	359.2	3,621,106.94		
2/25/2022	591.1	92.5%	546.8	5,511,416.40	12,121,116.34	
3/4/2022	568.2	91.5%	519.9	5,240,622.24		
3/9/2022	580.5	90.5%	525.4	5,295,553.20		
3/18/2022	194.0	93.1%	180.6	1,820,589.12		
3/21/2022	173.9	85.6%	148.8	1,500,406.39		
3/31/2022		-	-		13,857,170.95	Blower Down
4/4/2022	64.3	85.5%	55.0	554,163.12		
4/13/2022	77.5	89.2%	69.1	696,830.40		
4/22/2022	202.2	85.8%	173.5	1,748,755.01		
4/29/2022	157.4	91.4%	143.9	1,450,145.09	4,449,893.62	
5/6/2022	129.0	84.1%	108.5	1,093,569.12		
5/11/2022	153.0	84.1%	128.7	1,297,023.84		
5/19/2022	123.6	84.0%	103.8	1,046,545.92		
5/26/2022	94.0	88.2%	82.9	835,712.64	4,272,851.52	
6/3/2022	168.9	91.8%	155.1	1,562,906.02		
6/9/2022	144.0	91.5%	131.8	1,328,140.80		
6/13/2022	147.7	91.0%	134.4	1,354,822.56		
6/24/2022	239.3	89.1%	213.2	2,149,220.30	6,395,089.68	
7/1/2022	332.2	90.5%	300.6	3,030,461.28		
7/8/2022	224.3	90.1%	202.1	2,037,110.54		
7/14/2022	NA	90.5%	-		Flow Not Working	
7/22/2022	108.7	89.9%	97.7	985,030.70		

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
7/28/2022	204.4	90.1%	184.2	1,856,377.15	7,908,979.68	
8/5/2022	NA	89.5%	-		Flow Not Working	
8/8/2022	99.7	90.3%	90.0	907,493.33		
8/16/2022	186.4	89.7%	167.2	1,685,384.06		
8/24/2022	62.6	89.0%	55.7	561,597.12		
8/31/2022	95.0	89.0%	84.6	852,264.00	4,006,738.51	
9/7/2022	66.1	89.0%	58.8	592,996.32		
9/16/2022	353.1	88.2%	311.4	3,139,256.74		
9/20/2022	588.8	87.9%	517.6	5,216,956.42		
9/26/2022	181.6	88.2%	160.2	1,614,525.70	10,563,735.17	
10/4/2022	21.4	86.4%	18.5	186,375.17		
10/10/2022	188.3	86.4%	162.7	1,639,927.30		
10/27/2022	115.1	86.8%	99.9	1,007,060.54	2,833,363.01	
11/3/2022	175.5	86.0%	150.9	1,521,374.40		
11/8/2022	79.7	86.5%	68.9	694,920.24		
11/14/2022	18.1	83.5%	15.1	152,344.08		
11/22/2022	161.4	92.8%	149.8	1,509,774.34		
11/30/2022	0.0	87.3%	0.0	-	3,878,413.06	
12/8/2022	85.8	85.2%	20.2	204,107.90		
12/16/2022	129.2	83.9%	30.6	308,653.63		
12/20/2022	187.3	86.9%	42.3	426,684.38		
12/29/2022	313.9	84.3%	71.3	718,253.42	1,657,699.34	88,330,562.61
1/3/2023	42.4	83.4%	10.2	103,001.47		
1/9/2023	154.4	83.4%	37.5	378,193.54		
1/18/2023	287.7	85.1%	67.0	675,703.73		
1/27/2023	93.8	84.7%	79.4	800,841.89		
1/30/2023	115.1	86.7%	99.8	1,005,900.34	1,632,360.24	
2/10/2023	-	-	-	-		
2/17/2023	-	-	-	-		
2/21/2023	-	93.2%	-	-		
2/28/2023	-	100.0%	-	-	-	
3/6/2023	-	-	-	-		
3/15/2023	-	68.0%	-	-		
3/21/2023	131.3	68.8%	90.3	910,570.75		
3/27/2023	-	69.4%	-	-	910,570.75	
4/3/2023	-	100.0%	-	-		
4/10/2023	162.6	82.2%	133.7	1,347,264.58		
4/17/2023	192.1	84.7%	162.7	1,640,103.70		
4/24/2023	185.1	77.8%	144.0	1,451,598.62	4,438,966.90	
5/5/2023	137.3	70.5%	96.8	975,708.72		
5/10/2023	184.5	76.0%	140.2	1,413,417.60		
5/16/2023	188.1	79.0%	148.6	1,497,877.92		
5/22/2023	158.9	83.1%	132.0	1,331,022.67		
5/30/2023	148.4	83.8%	124.4	1,253,540.74	6,471,567.65	
6/6/2023	86	83.3%	71.6	722,111.04		
6/12/2023	106.3	84.1%	89.4	901,134.86		
6/19/2023	203.8	82.4%	167.9	1,692,746.50		
6/26/2023	307.4	84.2%	258.8	2,609,014.46	5,925,006.86	

TABLE 5.b.
EXTRACTED NON-METHANE VOLUME
Junker Sanitary Landfill FID #656026800

DATE	TOTAL FLOW (CFM)	NON METHANE BY VOLUME (%)	NON METHANE FLOW (CFM)	VOLUME OF EXTRACTED NON METHANE (CUBIC FEET)	CUMULATIVE VOLUME MONTHLY (CUBIC FEET)	COMMENTS
7/5/2023	53.7	85.4%	45.9	462,266.78		
7/12/2023	267.8	85.7%	229.5	2,313,406.37		
7/21/2023	161.7	86.3%	139.5	1,406,634.77		
7/27/2023	174.6	85.9%	150.0	1,511,812.51	5,694,120.43	
8/1/2023	168.8	85.9%	145.0	1,461,591.94		
8/8/2023	97.8	85.6%	83.7	843,865.34		
8/15/2023	35.6	83.0%	29.5	297,843.84		
8/21/2023	45.4	88.4%	40.1	404,546.69		
8/28/2023	12.6	78.2%	9.9	99,320.26	3,107,168.06	
9/5/2023	-	70.9%	-	-		
9/12/2023	59.5	69.9%	41.6	419,232.24		
9/18/2023	163	74.0%	120.6	1,215,849.60		
9/25/2023	258.5	82.9%	214.3	2,160,108.72	3,795,190.56	
10/4/2023	59.6	79.6%	47.4	478,211.33		
10/11/2023	217	81.3%	176.4	1,778,323.68		
10/25/2023	107.4	82.4%	88.5	892,055.81		
10/30/2023	65.6	73.2%	48.0	484,033.54	3,632,624.35	
11/8/2023	-	-	-	-		
11/17/2023	132.9	82.4%	109.5	1,103,856.77		
11/21/2023	214.2	82.9%	177.6	1,789,923.74		
11/29/2023	125	83.6%	104.5	1,053,360.00	3,947,140.51	
12/6/2023	178	83.9%	149.3	1,505,367.36		
12/15/2023	63.3	85.8%	54.3	547,458.91		
12/22/2023	117.9	85.8%	101.2	1,019,674.66		
12/28/2023	89.5	84.2%	75.4	759,618.72	3,832,119.65	43,386,835.97

TABLE 6
EXTRACTED GAS ANALYTICAL RESULTS
Junker Sanitary Landfill FID # 656026800

CAS	Analyte	Result									
		6/17/2019 ppb v/v	6/17/2019 µg/m^3	7/1/2020 ppb v/v	7/1/20 µg/m^3	6/17/21 ppb v/v	6/17/21 µg/m^3	6/29/22 ppb v/v	6/29/22 µg/m^3	7/21/23 ppb v/v	7/21/2023 µg/m^3
67-64-1	Acetone	<1400	<3400	<1200	<2900	<570	<1400	<610	<1400	<810	<1900
71-43-2	Benzene	160	510	390	1300	85	270	69 J	220 J	110 J	360 J
100-44-7	Benzyl chloride	<96	<500	<82	<430	88	460	<41	<210	<55	<290
75-27-4	Bromodichloromethane	-	-	<38	<260	<18	<120	<19	<130	74 J	500 J
75-25-2	Bromoform	-	-	<19	<200	<8.9	<92	<29	<300	<38	<400
74-83-9	Bromomethane	<57	<220	<49	<190	<23	<88	<24	<93	<32	<120
78-93-3	2-Butanone (MEK)	<190	<550	400	1200	<74	<220	<78	<230	<100	<310
75-15-0	Carbon Disulfide	<28	<88	26	81	18	55	<38	<120	<51	<160
56-23-5	Carbon tetrachloride	<18	<110	<16	<98	<7.3	<46	<14	<87	<19	<120
108-90-7	Chlorobenzene	68	310	94	430	43	200	<24	<110	<33	<150
75-00-3	Chloroethane	94	250	150	400	52	140	<34	<90	70 J	180 J
67-66-3	Chloroform	<16	<79	<14	<68	<6.5	<32	<16	<76	390	1900
74-87-3	Chloromethane	<170	<350	<140	<300	<67	<140	<69	<140	<93	<190
156-59-2	cis-1,2-Dichloroethene	110	420	1400	5500	35	140	<23 J	91 J	21 J	83 J
10061-01-5	cis-1,3-Dichloropropene	<40	<180	<34	<150	<16	<71	<21	<95	<28	<130
110-82-7	Cyclohexane	180	630	340	1200	43	150	52 J	180 J	110 J	390 J
124-48-1	Dibromochloromethane	-	-	<15	<130	<6.9	<58	<15	<130	<20	<170
106-93-4	1,2-Dibromoethane (EDB)	<17	<130	<15	<110	<6.9	<53	<13	<100	<18	<140
95-50-1	1,2-Dichlorobenzene	<77	<460	<66	<400	<31	<180	<34	<200	<45	<270
541-73-1	1,3-Dichlorobenzene	<41	<240	<35	<210	<16	<97	<17	<100	<23	<140
106-46-7	1,4-Dichlorobenzene	49	290	120	730	53	320	<17	<100	<23	<140
75-71-8	Dichlorodifluoromethane	130	650	350	1700	130	640	120 J	570 J	90 J	440 J
75-34-3	1,1-Dichloroethane	25	100	71	290	9.4	38	<12	>47	<16	<63
107-06-2	1,2-Dichloroethane	34	140	55	220	13	52	<11	>44	<15	<59
75-35-4	1,1-Dichloroethene	<20	<80	<17	<69	<8.1	<32	<14	>55	<19	<74
78-87-5	1,2-Dichloropropane	<25	<120	41	190	<10	<47	<11	>50	<15	<67
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<31	<220	60	420	23	160	18 J	120 J	19 J	130 J
123-91-1	1,4-Dioxane	-	-	<65	<230	<30	<110	<33	<120	<44	<160
100-41-4	Ethylbenzene	9900	43000	20000	86000	4500	20000	3700	16000	4500	19000
87-68-3	Hexachlorobutadiene	<81	<870	<69	<740	<32	<340	<35	<370	<46	<500
110-54-3	Hexane	450	1600	660	2300	110	380	130 J	470 J	290 J	1000 J
67-63-0	Isopropyl alcohol	-	-	<240	<600	<97	<240	<100	<260	<140	<340
98-82-8	Isopropylbenzene	340	1700	540	2600	190	930	140 J	680 J	220 J	1100 J
75-09-2	Methylene Chloride	<370	<1300	650	2300	<390	<1400	<150	<510	310 JB	1100 JB
108-10-1	4-Methyl-2-pentanone (MIBK)	230	950	720	3000	<54	<220	<61	<250	<81	<330
1634-04-4	Methyl tert-butyl ether	-	-	<110	<410	<52	<190	<56	<200	<75	<270
91-20-3	Naphthalene	-	-	<160	<860	<77	<400	<43	<230	<58	<300
100-42-5	Styrene	<61	<260	210	880	31	130	87	370	<35	<150
79-34-5	1,1,2,2-Tetrachloroethane	<37	<250	<31	<210	36	250	<15	<100	<20	<140
127-18-4	Tetrachloroethene	58	390	1100	7500	18	120	13 J	90 J	<17	<110
109-99-9	Tetrahydrofuran	3900	12000	1400	4300	1000	3000	1300 J	3700 J	1800 JB	5400 JB
108-88-3	Toluene	11000	42000	31000	120000	4100	16000	3200 B	1200 B	2100	7800
156-60-5	trans-1,2-Dichloroethene	-	-	57	230	<6.5	<26	<14	<57	<19	<76
10061-02-6	trans-1,3-Dichloropropene	<21	<97	<18	<83	64	290	<21	<97	<28	<130
120-82-1	1,2,4-Trichlorobenzene	<160	<1200	<140	<1000	<65	<480	<39	<290	<52	<380
71-55-6	1,1,1-Trichloroethane	<50	<270	<43	<230	<20	<110	<31	<170	<42	<230
79-00-5	1,1,2-Trichloroethane	<18	<100	<16	<85	<7.3	<40	<16	<90	<22	<120
79-01-6	Trichloroethene	46	250	400	2200	18	99	<14	<77	<19	<100
75-69-4	Trichlorofluoromethane	86	490	170	950	47	270	56 J	320 J	42 J	240 J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<21	<160	<18	<140	<8.5	<65	<10	<80	<14	<110
95-63-6	1,2,4-Trimethylbenzene	890	4400	1100	5300	620	3100	490	2400	860	4200
108-67-8	1,3,5-Trimethylbenzene	490	2400	590	2900	350	1700	280	1400	450	2200
108-05-4	Vinyl acetate	-	-	<62	<220	<29	<100	<30	<110	<41	<140
593-60-2	Vinyl bromide	-	-	<43	<190	<20	<88	<22	<95	<29	<130
75-01-4	Vinyl chloride	440	1100	1400	3500	380	980	390	1000	280	700
108-38-3/106-42-3	Xylene, m-, p-	37000	160000	63000	270000	15000	67000	14000	61000	13000	55000
95-47-6	Xylene, o-	7400	32000	14000	60000	3900	17000	3200	14000	3400	15000
1330-20-7	Xylene (total)	44400	192000	77000	330000	18900	84000	17200	75000	16400	70000

Analyses completed by Method TO-15

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW - 1 (DNR # 701)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	29.85	29.85	758.19	F	-20.70	0.10	50.00	25.70	27.10	0.00	47.20	ND			
3/27/2012	68	28.54	724.916	R	-19.50	0.80	49.00	3.50	20.00	3.60	72.80				
6/25/2012	77	28.98	736.092	S	0.00	-0.10	78.00	0.00	0.00	20.60	79.40	4	0		Valve Closed
9/10/2012	69	28.89	733.806	F	-4.9	0	86	7.6	23.6	0.3	68.5	1	0.076		Valve Closed
10/31/2012	40	30	762	F				36.9	31.9	0.1	31.1				Blower Off
11/13/2012	36	30.15	765.81	F				12.9	25	0.3	61.8				Blower Off
12/19/2012	28	29.99	761.746	S				0	0	21.2	78.8				Blower Off
3/28/2013	32	30.34	770.636	S				0.1	0	20.8	79.1				Blower Off
6/18/2013	65	28.93	734.822	S	-6	-0.1	68	0	0	19.8	80.2	0			Valve Closed
9/11/2013	82	28.86	733.044	S	-3.5	0	84	0	0	19.6	80.4	13	0	13	Valve Closed
12/18/2013	26	28.62	726.948	F	0	0.3	29	36.5	30.3	0.1	33.1				Valve Closed
3/11/2014	37	28.69	728.726	R	-13.3	-0.6	40	0	0.1	22.4	77.5	25	0	25	Valve Closed
6/16/2014	82	28.77	730.758	S	-6.2	-0.1	92	27.9	23.1	2.3	46.7	36	10.044	36	Valve Closed
9/19/2014	64	28.75	730.25	F	-5.1	0.2	67	1.4	7.8	11.9	78.9				Valve Closed
12/18/2014	22	29.16	740.664	S	-13.8	0	30	2.9	13.3	9.6	74.2				Valve Closed
3/20/2015	40	28.88	733.552	S	-14.6	-0.1	42	1.4	1.8	20.5	76.3	22	0.308	22	Valve Closed
6/16/2015	70	29.08	738.63	F	-15.3	-1.5	81	0.1	0	20.7	79.2	46	0.046	46	Valve Closed
9/16/2015	80	28.75	730.25	S	-11.8	-1.3	80	0.1	0.4	19.7	79.8	46	0.046	46	Valve Closed
12/21/2015	36	28.7	728.98	S	-12.1	-0.4	32	0.2	1.5	19.7	78.6				Valve Closed
3/17/2016	40	28.69	728.73	R	-12.6	-0.3	46	0.1	0.7	20.8	78.4				Valve Closed
6/15/2016	70	28.64	727.46	R	-4.4	7.4	81	1	3	16.7	79.3	12	0.12	12	Valve Closed
9/20/2016	73	29.03	737.36	R	-10.9	0.9	97	9.1	9.3	11.4	70.2	10	0.91	10	Valve Closed
12/1/2016	33	28.77	730.76	R	-7.8	-5.2	96	0.7	18	3.7	77.6	26	0.182	27	Valve Open
3/28/2017	38	29.01	736.85	S	-12.6	1.8	55	8.8	21.3	1.8	68.1		0		Valve Open
6/5/2017	77	30	762.00	S	-11	-0.4	100	2.3	23.1	0.8	73.8	37	0.851	36	Valve Closed
9/6/2017	60	30.14	765.56	S	-9.7	-1.1	63	0	0	20.4	79.6				Valve Closed
12/19/2017	35	28.8	731.52	R	-12.8	-0.3	34	0	0	21.9	78.1				Valve Closed
3/14/2018	25	28.89	733.81	S	-13.9	0	39	3.9	22.3	1.2	72.6				Valve Closed
*6/19/2018	59	28.98	736.09	S	-9.3	-2.9	92	16.4	23.8	3.1	56.7	83	13.612	74	Valve Open
*9/24/2018	60	29.95	760.73	S	0.1	0.2	86	21.8	26.9	0.2	51.1	5	1.09	4	Valve Open
12/28/2018	22	28.86	733.04	S	-10.7	-3.2	103	2.8	9.1	13.2	74.9	70	1.96		Valve Closed
3/20/2019	35	29.89	759.21	S	-10	-0.2	39	28.9	21.5	4.9	44.7	9	2.601	13	Valve Open
6/18/2019	70	29.99	761.75	S	-11.8	-3.1	116	3.3	12.9	7.9	75.9	89	2.937	33	Valve Closed
9/20/2019	67	30.08	764.03	S	-7	-0.3	83	43.2	35.7	1.8	19.3	52	22.464	73	Valve Open
12/4/2019	31	28.87	733.30	R	-4.7	-1.9	-	5.7	15.6	7.7	71	71	4.047	-	Valve Open
3/17/2020	40	30.27	768.86	R	0	0	52	23.8	29.6	1	45.6	27	0	24	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW - 1 (DNR # 701)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
6/5/2020	70	31.15	791.21	S	-9.5	-1.6	-	3.2	11.4	10.5	74.9	44	1.408	29	Valve Closed
9/29/2020	54	29	736.60	S	-6.1	-0.2	64	2	2.5	19.2	76.3	23	0.46	23	Valve Closed
12/10/2020	40	29.94	760.48	S	-6.3	-0.2	47	0.1	0.1	21.4	78.4	0	0	0	Valve Closed
3/19/2021	57	30.5	774.70	R	-5.9	-0.1	48	0	0	21	79	0	0	0	Valve Closed
6/16/2021	80	30.03	762.76	R	-6.8	-0.2	80	0	0.1	19.9	80	0	0	166	Valve Closed
9/13/2021	67	29.97	761.238	R	-8.1	-0.7	72	0.7	4.4	15.7	79.2	0	0	0	Valve Closed
12/2/2021	41	29.89	759.206	R	-7.1	6.157	51	1	1.4	19.1	78.5	165	1.65	168	Valve Closed
3/9/2022	16	29.96	760.984	R	-	-	-	-	-	-	-	-	-	-	blocked
6/9/2022	75	28.92	734.568	F	0	NA	95.1	0	0.3	19.6	80.1	156.7	0	156.4	Valve Closed
9/7/2022	73	29.13	739.902	R	0.02	0.025	NA	0	0.4	19.4	80.2	6.6	0	6.9	Valve Closed
11/22/2022	30	29.04	737.616	R	-0.02	0.089	53.6	10.1	25	0.2	64.7	N/A	-	18.2	Valve Opened
3/6/2023	32	28.99	736.346	F	-0.1	0.014	39.2	9.9	24.8	0.8	64.5	N/A	-	N/A	Valve Opened
5/31/2023	81	28.86	733.044	R	-0.05	-0.05	95.4	0	0.1	19.5	80.4	N/A	-	N/A	Valve Closed
9/18/2023	55	28.98	736.092	F	-0.15	-0.18	73.2	0	0.1	20.7	79.2	6.2	0	5.9	Valve Open
12/15/2023	38	29.24	742.696	F	-0.05	-0.05	53.6	0.3	0.5	22.2	77	N/A	-	0	Valve Closed

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 2 (DNR # 702)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85	758.19	F	-20.50	0.00	58.00	36.90	31.10	0.00	32.00	ND			
3/27/2012	68	28.54	724.916	R	-19.5	0	58	23.9	28.4	0	47.8				
6/25/2012	0	28.98	736.092	S	0	-0.1	74	21.7	26	2.2	50.1	6	1.302		Valve Closed
9/10/2012	69	28.89	733.806	F	-4.8	0.1	88	23.2	26.3	0.4	50.1	5	1.16		Valve open 1/4 turn
10/31/2012	40	30	762	F				38.6	34.4	0.3	26.7				Blower Off
11/13/2012	36	30.15	765.81	F				0.1	1.6	19	79.3				Blower Off
12/19/2012	28	29.99	761.746	S				0	0	21.3	78.7				Blower Off
3/28/2013	32	30.34	770.636	S				0	0.2	20.5	79.3				Blower Off
6/18/2013	65	28.93	734.822	S	-6	-0.1	72	0	0	19.8	80.2				Valve open 1/4 turn
9/11/2013	82	28.86	733.044	S	-3.2	0	90	2	2.4	18.3	77.3	14	0.28	15	Valve Closed
12/18/2013	26	28.62	726.948	F	0	0.3	30	30.4	31.6	0.1	37.9				Valve Closed
3/11/2014	37	28.69	728.726	R	-13.1	-0.6	39	0	0.1	22.4	77.5	23	0	23	Valve Closed
6/16/2014	82	28.77	730.758	S	-6.3	-0.2	92	5.7	4	16	74.3	36	2.052	36	Valve Closed
9/19/2014	64	28.75	730.25	F	-4.8	0.2	68	7	7.2	13.6	72.2				Valve Closed
12/18/2014	22	29.16	740.664	S	-13	0	24	5.5	8.1	13.7	72.7				Valve Closed
3/20/2015	40	28.88	733.552	S	-12.4	-0.1	44	0.4	0.8	21.8	77	22	0.088	21	Valve Closed
6/16/2015	70	29.08	738.632	S	-15.1	-1.5	83	0.1	0	21	78.9	46	0.046	46	Valve Closed
9/16/2015	80	28.75	730.25	F	-11.3	-1.3	82	0.1	0.2	20	79.7	47	0.047	46	Valve Closed
12/21/2015	36	28.7	728.98	S	-11.1	0	32	0.1	0.1	21.6	78.2				Valve Closed
3/17/2016	40	28.69	728.726	S	-10.8	-0.4	46	0	0.1	21.8	78.1				Valve Closed
6/15/2016	70	28.64	727.46	F	-3	7.4	80	0.1	0.8	18.9	80.2	14	0.014	14	Valve Closed
9/20/2016	73	29.01	736.85	R	-9	0.9	94	26.9	17.8	6.9	48.4	13	3.497	13	Valve Closed
12/1/2016	33	28.77	730.76	R	-9.9	-1.2	57	7.3	23.5	1.6	67.6				Valve Open
3/28/2017	38	29	736.60	S	-12.5	-1.2	54	3.4	20.3	2	74.3			15	Valve Open
6/5/2017	77	30	762	S	-12.8	-0.8	60	6.2	18.9	1.6	73.3	27	1.674	23	Valve Open
9/6/2017	60	30.14	765.56	S	-10.1	0.6	63	4.9	19.9	2.3	72.9				Valve Closed
12/19/2017	35	28.8	731.52	R	-10.5	-0.4	41	0	0	21.8	78.2				Valve Closed
3/14/2018	25	28.89	733.806	S	-11.7	0	40	0.2	14.8	4.4	80.6				Valve Closed
*6/19/2018	59	28.98	736.092	S	-8.4	0	63	19.7	13.7	10.4	56.2				Valve Open
*9/24/2018	60	29.95	760.73	S	0.2	0.2	76	9.4	22	2.6	66	4	0.376	4	Valve Open
12/28/2018	22	28.86	733.044	S	-13.5	-3.8	60	0.6	2.1	20.9	76.4	56	0.336	23	Valve Closed
3/20/2019	35	29.89	759.206	S	-6.3	0	37	37.7	35.1	0.2	27	10	3.77	78	Valve Open
6/18/2019	70	29.99	761.746	S	-14.3	-1.1	62	1.8	6.1	14.4	77.7	55	0.99	54	Valve Closed
9/20/2019	67	30.08	764.032	S	-6.8	-0.5	81	23.2	14.6	10.8	51.4	53	12.296	65	Valve Open
12/4/2019	31	28.87	733.298	R	-13.8	-4.4	-	0.1	0	20.4	79.5	82	0.082	48	Valve Closed
3/17/2020	40	30.27	768.858	R	0	0	43	26.6	16.2	10.5	46.7	0	0	0	Valve Open
6/5/2020	70	31.15	791.21	S	-10.7	-5.3	-	0.1	0	20.6	79.3	96	0.096	46	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 2 (DNR # 702)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
9/29/2020	54	29	736.6	S	-8.6	-0.2	71	0.2	4.4	16.3	79.1	25	0.05	25	Valve Closed
12/10/2020	40	29.94	760.476	S	-5.9	-0.3	48	0.1	0.1	21.6	78.2	0	0	0	Valve Closed
3/19/2021	57	30.5	774.7	R	-10	-0.1	53	0	0	21.2	78.8	0	0	0	Valve Closed
6/16/2021	80	30.03	762.762	R	-10.8	-0.2	88	0	0	20.3	79.7	0	0	212	Valve Closed
9/13/2021	67	29.97	761.238	R	-9.9	-0.7	72	3.6	14.1	6.6	75.7	0	0	0	Valve Broken
12/2/2021	41	29.89	759.206	R	-5.8	7.862	46	0	0	21.1	78.9	191	0	191	Valve Broken
3/9/2022	16	29.96	760.984	R	0	-7.75	46.2	10.1	22.3	1.1	66.5	178.5	0	174.1	Valve Open
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	12.2	18.6	2.9	66.3	86.7	10.5774	91.9	Valve Open
9/7/2022	73	29.13	739.902	R	-0.02	0.048	NA	0	0	20.2	79.8	9.7	0	9.8	Valve Closed
11/22/2022	30	29.04	737.616	R	-1.39	0.399	57.4	12.7	21.9	8.8	56.6	25	3.175	39.4	Valve Open
3/6/2023	32	28.99	736.346	F	-1.05	0.145	37.8	12.1	22.1	7.5	58.3	N/A	0	N/A	Valve Open
5/31/2023	81	28.86	733.044	R	-10.92	-11.51	74.2	0	0.1	18.9	81	N/A	0	200.8	Valve Broken
9/18/2023	55	28.98	736.092	F	0.04	0.04	86.3	11.8	13.8	10.2	64.2	7.2	0.8496	7.1	Valve Closed
12/15/2023	38	29.24	742.696	F	0.01	0.01	-	0.1	0.1	22.9	76.9	2.3	0.0023	2.8	Valve Closed

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 3 (DNR # 703)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	28.75	730.25	F	-20.00	0.00	34.00	46.60	26.20	0.00	27.20	ND			INC FLOW
2/17/2012	40	29.97	761.238	S	-18.3	0	36	24.7	26.1	0	49.2	0	0	0	
3/27/2012	68	28.54	724.916	R	-17.00	0.90	42.00	16.20	22.00	0.80	61.00				
4/18/2012	60	28.75	730.25	S	-16.5	0	57	24.8	23.5	0.3	51.4	0	0	0	Valve Open
5/29/2012	60	26.65	676.91	S	-12.4	0.3	60	24.6	24.2	0.4	50.8	3	0.738		Valve Open
6/25/2012	77	28.98	736.092	S	0	0.3	76	0.5	1.1	20.1	78.3	1	0.005		Valve Closed
7/18/2012	74	28.76	730.504	S	-10.8	-0.2	73	6.2	4.9	16.2	72.7	2	0.124		Valve Open
8/7/2012	85	28.86	733.044	S	-5.5	0	91	29.7	22.3	1.1	46.9	1	0.297		Valve Open
9/10/2012	69	28.89	733.806	F	-1.4	0.1	92	26.7	22.6	0.3	50.4	2	0.534		Valve Open
10/1/2012	62	28.77	730.758	S	-5.3	-0.2	65	22.3	23.6	0.3	53.8	0	0		Valve Open
10/22/2012	60	28.76	730.504	R				30.8	18.2	5.5	45.5				Blower Off
10/31/2012	40	30	762	F				47.8	26.4	0.4	25.4				Blower Off
11/13/2012	36	30.15	765.81	F				0.3	2.2	17.3	80.2				Blower Off
12/19/2012	28	29.99	761.746	S				0.8	1.1	20.5	77.6				Blower Off
1/2/2013	14	29.95	760.73	S				22.4	20.9	1	55.7				Blower Off
1/15/2013	22	29	736.6	S				10.1	15	0.8	74.1				Blower Off
2/12/2013	26	29.9	759.46	F				2.2	6.8	9.7	81.3				Blower Off
3/28/2013	32	30.34	770.636	S				0	0	20.5	79.5				Blower Off
4/29/2013	55	28.6	726.44	F				5.1	4.5	15.9	74.5				Blower Off
5/13/2013	50	28.81	731.774	S				32.7	21.9	0.9	44.5				Blower Off
6/18/2013	65	28.93	734.822	S	-4.1	-0.2	67	18	12.9	10	59.1				Valve Open
7/17/2013	90	29.09	738.886	S	-12.4	-0.2	84	14.1	22.9	0.1	62.9	2	0.282	2	Valve Open
8/13/2013	70	29.02	737.108	S	-3.8	0	87	21.4	23.2	0	55.4	23	4.922	23	Valve Open
9/11/2013	82	28.86	733.044	S	-3.7	0	87	11.1	8	12.3	68.6	17	1.887	17	Valve Closed
10/8/2013	64	28.73	729.742	F	-3.3	0	67	34.7	26.1	0.4	38.8				Valve Closed
11/19/2013	26	29.01	736.854	F	-3.4	0.2	43	26.6	23.6	0.1	49.7	16	4.256	16	Valve Closed
12/18/2013	26	28.62	726.948	F	-0.2	0.2	29	41.7	28	0.1	30.2				Valve Closed
1/15/2014	3	28.92	734.568	F	-12.7	0	0	20.6	24.4	0.2	54.8	25	5.15	25	Valve Closed
2/18/2014	33	28.42	721.868	S	-13	-0.3	40	23.5	19.8	6.4	50.3	27	6.345	27	Valve Closed
3/11/2014	37	28.69	728.726	R	-13.4	-0.6	39	1.1	2.2	20.9	75.8	22	0.242	22	Valve Closed
4/22/2014	45	28.96	735.584	S	-13.8	-0.3	62	5.4	18.3	3.5	72.8	29	1.566	29	Valve Closed
5/14/2014	46	29.1	739.14	S	-7	-0.5	58	1.3	2.6	19	77.1	21	0.273	21	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 3 (DNR # 703)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
6/16/2014	82	28.77	730.758	S	-6.2	-0.1	91	27.9	19.4	3	49.7	37	10.323	37	Valve Closed
7/15/2014	61	29.94	760.476	F	-6.5	-0.3	69	24.2	16.3	7.4	52.1	29	7.018	29	Valve Closed
8/5/2014	67	29.07	738.378	S	-5.5	-0.3	85	3.4	2.4	19.6	74.6	31	1.054	31	Valve Closed
9/19/2014	64	28.75	730.25	F	-4.9	0.3	67	19.1	23.3	0.3	57.3				Valve Closed
10/9/2014	55	30.19	766.826	S	-9.5	-0.1	64	0.1	0	21.3	78.6	8	0.008	7	Valve Closed
11/25/2014	22	28.91	734.314	R	-12	-0.1	35	0.6	0.8	20.9	77.7				Valve Closed
12/18/2014	22	29.16	740.664	S	12.7	0.1	24	28	25.2	0.2	46.6				Valve Closed
1/19/2015	29	28.79	731.266	F	11.8	0.2	31	30.8	24.9	0.2	44.1	17	5.236	18	Valve Closed
3/20/2015	40	28.88	733.552	S	-12.4	-0.1	43	22.1	16.2	8.9	52.8	21	4.641	21	Valve Closed
4/7/2015	37	29.03	737.362	S	-12.5	0.2	42	29.4	23	1.1	46.5	29	8.526	28	Valve Closed
5/5/2015	67	29.06	738.124	S	-9.7	0.1	73	12.1	17.2	4.6	66.1	23	2.783	23	Valve Closed
6/16/2015	70	29.08	738.632	S	-14.7	-1.3	80	0.1	0	21.1	78.8	47	0.047	47	Valve Closed
7/15/2015	70	30.05	763.27	S	-1.1	-1.3	82	0	0.1	20.7	79.2	42	0	42	Valve Closed
8/4/2015	75	28.89	733.806	S	-14	-1.1	99	0.2	0	20.1	79.7	34	0.068	34	Valve Closed
9/16/2015	80	28.75	730.25	F	-11.3	-1.1	86	0.1	0	20.3	79.6	38	0.038	38	Valve Closed
10/15/2015	54	28.9	734.06	R	-10.2	-0.1	67	0.1	0.1	21.2	78.6				Valve Closed
11/6/2015	42	29.99	761.746	R	-11.7	-1.3	55	0.1	0.1	21.2	78.6	11	0.011	13	Valve Closed
12/21/2015	36	28.7	728.98	S	-10.5	0	32	0.1	0.1	21.7	78.1	3	0.003	2	Valve Closed
1/7/2016	32	29.98	761.492	F	-10.2	0.5	33	13.4	20.3	3.4	62.9	15	2.01	15	Valve Closed
2/1/2016	26	28.87	733.298	R	-10.5	0.2	37	0.1	0.1	20.8	79	15	0.015	15	Valve Closed
3/17/2016	40	28.69	728.726	S	-10.8	-0.3	47	0	0	21.8	78.2				Valve Closed
4/4/2016	33	29.23	742.442	R	-15.2	-0.7	50	0	0	21	79	34	0	34	Valve Closed
5/12/2016	46	28.89	733.806	S	-15.6	-0.7	62	0	0	20.9	79.1	37	0	37	Valve Closed
6/15/2016	70	28.65	727.71	F	-2.8	7.4	81	0	0	20.3	79.7	14	0	14	Valve Closed
7/21/2016	86	28.89	733.81	F	-10.3	-0.2	95	0	0	20.2	79.8	25	0	25	Valve Closed
8/9/2016	82	28.83	732.28	S	-7.9	0	90	20.9	17.6	2.7	58.8	26	5.434	26	Valve Closed
9/20/2016	73	29.03	737.36	R	-9	0.9	81	8.4	15.7	2.3	73.6	12	1.008	11	Valve Closed
11/9/2016	58	29.2	741.68	F	-7.1	-1.8	58	3.1	4.8	9.2	82.9	23	0.713	26	Valve Open
12/1/2016	33	28.79	731.27	R	-1.2	-1.1	49	7.4	22.2	2	68.4				Valve Open
1/3/2017	15	28.94	735.08	R	-1.6	-1.6	38	8.9	22.8	1	67.3				Valve Open
2/13/2017	44	28.82	732.03	F	0.2	0.1	23	13.6	22.3	0	64.1				Valve Open
3/28/2017	38	29.01	736.85	S	-0.7	-0.7	43	6.1	22.3	0.5	71.1	39	2.379		Valve Closed
4/11/2017	34	30.25	768.35	S	-0.6	-0.6	46	4.2	21.4	1.3	73.1				Valve Closed
5/8/2017	60	28.85	732.79	F	0	0	60	6.5	20.8	0.5	72.2	7	0.455	10	Valve Closed
6/5/2017	77	30	762	S	-0.6	-0.6	178	13.9	19.6	1	65.5	21	2.919	24	Valve Open
7/21/2017	75	29.91	759.71	F	-10.6	-5.3	55	4.7	12.5	7.4	75.4	15	0.705	14	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 3 (DNR # 703)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
8/15/2017	65	30.01	762.25	S	-10.4	-3.8	58	1.3	4.3	16.1	78.3	22	0.286	23	Valve Closed
9/6/2017	60	30.14	765.56	S	-10.1	-1	58	3.7	10.6	9.9	75.8				Valve Open
10/9/2017	48	28.95	735.33	S	1.3	1.3	65	0	0	20.6	79.4				Valve Closed
11/2/2017	36	29.88	758.95	R	-4.7	-4.7	55	0	0	21.3	78.7	20	0	24	Valve Open
12/1/2017	40	30.03	762.762	F	-0.3	-0.2	46	10.7	16.3	5	68	22	2.354	23	Valve Open
*1/8/2018	26	29.97	761.238	R	0	0	32	0	0	21.1	78.9	15	0	17	Valve Open
2/15/2018	32	28.7	728.98	R	-4.5	-0.7	39	0	0	21.9	78.1				Valve Closed
3/14/2018	25	28.89	733.806	S	0	0	38	25.7	24	0.1	50.2				Valve Open
4/12/2018	38	29.73	755.142	S	-2.4	-0.4	38	0.7	0.8	21	77.5				Valve Closed
5/10/2018	48	30.07	763.778	S	-2.2	-2.4	61	0	0	21.1	78.9				Valve Closed
6/19/2018	59	28.98	736.092	S	-8.5	0	61	0	0	20.7	79.3				Valve Closed
7/10/2018	84	29.17	740.918	S	-2.9	-0.3	73	0	0	20.4	79.6				Valve Closed
8/14/2018	67	29.98	761.492	S	-3.8	0	93	0	0	19.7	80.3				Valve Closed
*9/24/2018	60	29.95	760.73	S	0.2	0.2	74	24.4	21.5	0.2	53.9	8	1.952	2	Valve Open
*10/15/2018	34	30.2	767.08	S	-6.3	-1.6	56	0.1	0	21.1	78.8	43	0.043	32	Valve Closed
11/13/2018	10	30.5	774.7	S	-5.6	-0.2	57	0.1	0	22	77.9	31	0.031	31	Valve Closed
12/28/2018	22	28.86	733.044	S	-12.7	-0.9	22	0.1	0	22.4	77.5	23	0.023	23	Valve Closed
*1/7/2019	37	29.51	749.554	S	-6.3	-0.7	38	25.8	24	2.4	47.8	26	6.708	26	Valve Open
2/13/2019	13	29.98	761.492	S	-12.3	-0.6	41	0	0.1	21.6	78.3				Valve Closed
3/20/2019	35	29.89	759.206	S	-5.8	0	38	30.5	24	0.1	45.4	9	2.745		Valve Open
4/8/2019	60	29.74	755.396	F	-0.2	-0.1	52	13.9	14.6	7.6	63.9	29	4.031	27	Valve Open
5/14/2019	61	29.95	760.73	S	-0.6	-0.6	72	6	10.9	9.5	73.6	54	3.24	56	Valve Open
6/18/2019	70	29.99	761.746	S	-4.6	-1.3	61	0.1	0	21	78.9	54	0.054	54	Valve Closed
7/24/2019	71	30.2	767.08	F	-2	-0.3	94	11.8	13.7	5.5	69	55	6.49	57	Valve Open
8/14/2019	70	30.08	764.032	S	-14.2	-10.4	54	0.1	0	20.7	79.2	39	0.039	47	Valve Closed
9/20/2019	67	30.08	764.032	S	-4.6	-0.3	79	31.7	23.1	0.3	44.9	54	17.118	47	Valve Open
10/18/2019	52	29.79	756.666	S	-8.5	-5.7	54	0.1	0	20.4	79.5	25	0.025	44	Valve Closed
11/22/2019	25	29.33	744.982	S	-6.4	-0.8	-	0.1	0	21.4	78.5	43	0.043	43	Valve Open
12/4/2019	31	28.87	733.298	R	Water in sampling ports										Valve Open
1/7/2020	23	30	762	R	-0.8	-0.5	-	0.1	0	20.6	79.3	36	0.036	36	Valve Closed
2/25/2020	45	29.42	747.268	R	0.1	0	-	0	0.1	22.1	77.8	0	0	0	Valve Closed
3/17/2020	40	30.27	768.858	R	0.2	-0.1	47	0	0.1	22.3	77.6	0	0	0	Valve Closed
4/21/2020	40	30.02	762.508	R	-1.2	-0.3	45	0	0	21.2	78.8	0	0	0	Valve Closed
5/29/2020	77	29.91	759.714	F	-1.7	-0.5	-	0	0	21.3	78.7	0	0	0	Valve Closed
6/5/2020	70	31.15	791.21	S	-5.4	-0.3	-	0.1	0	20.1	79.8	16	0.016	16	Valve Closed
7/28/2020	72	29.92	759.968	S	-3.1	0.1	85	13.7	14.4	3.1	68.8	13	1.781	0	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 3 (DNR # 703)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
8/11/2020	73	30.01	762.254	S	-9.9	-3.9	58	0.1	0	20.1	79.8	0	0	67	Valve Closed
9/29/2020	54	29	736.6	S	-6.9	0	70	12.1	13.4	2.7	71.8	26	3.146	44	Valve Opened
10/6/2020	56	29.84	757.936	F	-0.7	-5.8	56	0.1	0	20.8	79.1	0	0	0	Valve Closed
11/5/2020	35	29.05	737.87	S	-2.1	0	68	0.1	0	21	78.9	0	0	0	Valve Closed
12/10/2020	40	29.94	760.476	S	-8.5	0	46	0.1	0.1	21.6	78.2	0	0	0	Valve Closed
1/18/2021	21	29.9	759.46	R	-9	-0.1	27	0.1	0.1	21.6	78.2	0	0	0	Valve Closed
2/2/2021	20	30.32	770.128	F	-9.4	-0.1	25	0	0.2	22	77.8	0	0	0	Valve Closed
3/19/2021	57	30.5	774.7	R	-8.5	-0.1	49	0.1	0.2	22	77.7	0	0	0	Valve Closed
4/13/2021	35	28.94	735.08	R	-11	-0.2	35	0.1	0.2	21.3	78.4	0	0	0	Valve Closed
5/19/2021	65	30.01	762.25	R	-10.9	-0.1	69	0	0	20.4	79.6	0	0	0	Valve Closed
6/16/2021	80	30.03	762.762	R	0.1	0.1	96	6.6	6.1	12.6	74.7	17	1.122	17	Valve Closed
7/8/2021	85	29.98	761.492	R	-10.6	10.408	74	0	0	20.4	79.6				Valve Closed
8/10/2021	69	28.72	729.488	R	-9.6	9.187	82	0.9	1.3	17.5	80.3	11	0.099	199	Valve Closed
9/13/2021	67	29.97	761.238	R	-8.5	-0.6	74	4.4	6.5	12	77.1	0	0	0	Valved Opened
10/8/2021	63	29.9	759.46	R	-1.6	-0.033	60	0	0	20.5	79.5	<<>>		<<>>	Valve Closed
11/9/2021	42	30.14	765.556	R	-8.2	7.417	61	0.1	0.2	20.5	79.2	0	0	183	Valve Closed
12/2/2021	41	29.89	759.206	R	-1.5	7.924	46	0	0	21.1	78.9	189	0	192	Valve Closed
1/31/2022	17	29.76	755.904	R	0.03	-0.012	28.2	0.1	0.5	22.4	77	<<>>		<<>>	Valve Closed
2/25/2022	5	30.36	771.144	R	-0.07	-5.53	26.5	0	0.1	22.5	77.4	<<>>		163.3	Valve Closed
3/9/2022	16	29.96	760.984	R	0	-4.86	34.1	0	0.1	22.9	77	155.3	0	145.1	Valve Closed
4/4/2022	33	29.87	758.698	R		NA	35.2	0	0.1	23	76.9	200.3	0	200.3	Valve Closed
5/11/2022	70	29.1	739.14	R	0	NA	73.9	0	0.9	19.9	79.2	0	0	0	Valve Closed
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	0	0	21.4	78.6	104.8	0	112.4	Valve Closed
7/28/2022	62	28.9	734.06	R	0	NA	76.9	0	0.1	20.9	79	NA	0	173.7	Valve Closed
8/8/2022	56	29.07	738.378	R	0	-0.07	61.4	0	0.1	21.1	78.8	NA	0	NA	Valve Closed
9/7/2022	73	29.13	739.902	R	0.08	0.049	NA	0	0	20.3	79.7	9.9	0	9.9	Valve Closed
10/10/2022	61	29.05	737.87	R	0.1	0.007	69.6	0	3.6	17.2	79.2	4.7	0	4.9	Valve Closed
11/22/2022	30	29.04	737.616	R	-1.58	1.489	40.7	5.9	15.6	4.6	73.9	81.5	4.8085	78.7	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 3 (DNR # 703)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
12/29/2022	37	28.58	725.932	R	-1.69	-0.042	45.1	0	0.1	22.4	77.5	N/A	0	N/A	Valve Closed
1/18/2023	32	28.99	736.346	F	-0.73	-0.02	41.9	0	0.1	22.2	77.7	N/A	0	N/A	Valve Closed
2/21/2023	6	28.75	730.25	R	0.02	-0.002	21	0.4	0.7	21.8	77.1	2.8	0.0112	N/A	Valve Closed
3/6/2023	32	28.99	736.346	F	-1.25	1.244	40.6	6.3	18.9	5.1	69.7	N/A	0	N/A	Valve Opened
4/3/2023	38	29.05	737.87	S	-0.09	-0.005	47.8	29.7	21.5	7.3	41.5	<<>>		<<>>	Valve Opened
5/22/2023	71	29.17	740.918	F	-2	-0.073	58.7	0	0.1	19.8	80.1	<<>>		<<>>	Valve Closed
5/31/2023	81	28.86	733.044	R	-7.57	-8.5	56.8	0	0.1	18.9	81	18	0	24.4	Valve Open
7/27/2023	90	28.82	732.028	R	-9.23	1.463	57.5	0	0	20	80	77.3	0	77.3	Valve Closed
8/8/2023	80	28.91	734.314	R	-9.31	-9.29	56.2	0	0.1	20.7	79.2	165.1	0	72.3	Valve Open
9/18/2023	55	28.98	736.092	F	0.1	0.14	101.5	47.9	34.8	0.1	17.2	15.7	7.5203	15.1	Valve Open
10/4/2023	65	28.79	731.266	F	-7.54	-6.88	58.8	0.1	0.1	21.5	78.3	-	-	-	Valve Open
11/29/2023	40	28.74	729.996	S	-1.71	-0.57	44.5	0.1	0.2	21.9	77.8	16.2	0.0162	16.6	Valve Closed
12/15/2023	38	29.24	742.696	F	-1.28	0.05	44.6	0.2	0.3	22.7	76.8	-	-	13.1	Valve Closed

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW-4 (DNR # 704)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-19.10	0.00	38.00	35.80	29.10	0.00	35.10	ND			
3/27/2012	68	28.54 R			-15.50	0.80	42.00	24.00	27.30	0.00	47.80				
6/25/2012	77	28.98S			0.00	0.00	66.00	13.00	22.70	2.20	62.10	ND			Valve Closed
9/10/2012	69	28.89F			-4.9	0.1	80	30.6	28.4	0.4	40.6	0			Valve Closed
11/13/2012	36	30.15F						1.5	3.9	15	79.6				Blower Off
11/27/2012	25	30.20F						14.2	15.7	2.1	68				Blower Off
12/19/2012	28	29.99S						0.1	0	21.1	78.8				Blower Off
1/2/2013	14	29.95S						44	31.3	0.4	24.3				Blower Off
1/15/2013	22	29.00S						15.9	17.3	2	64.8				Blower Off
2/8/2013	16	30.36S						1.6	5	15.2	78.2				Blower Off
3/28/2013	32	30.34S						21	17.4	6.4	55.2				Blower Off
6/18/2013	65	28.93S			-5.8	-0.1	74	0	0	19.8	80.2				Valve Open
9/11/2013	82	28.86S			-3.1	0	89	34.5	20.9	7.7	36.9	18	6.21	18	Valve Closed
12/18/2013	26	28.62F			-0.1	0.2	31	51.3	34	0.1	14.6				Valve Closed
3/11/2014	37	28.69R			-13.2	-0.7	40	0	0.2	22.3	77.5	24	0	23	Valve Closed
6/16/2014	82	28.77S			-6.3	-0.1	94	42.2	22.4	3.4	32	37	15.614	37	Valve Closed
9/19/2014	64	28.75F			0.3	0.2	66	6.1	7	13.9	73				Valve Closed
12/18/2014	22	29.16S			-11.7	-0.1	30	22.5	17.3	10	50.2				Valve Closed
3/20/2015	40	28.88S			-12.4	-0.1	41	22	14.2	12	51.8	22	4.84	22	Valve Closed
6/16/2015	70	29.08S			-12	-5.9	61	0	0	21.2	78.8	89	0	91	Valve Open
9/16/2015	80	28.75F			-11.2	-1.4	81	0.2	1	18.7	80.1	46	0.092	46	Valve Closed
12/21/2015	36	28.70S			-11.5	-0.5	32	0.1	1	20.5	78.4				Valve Closed
3/17/2016	40	28.69S			-10.7	-0.4	45	0.3	2.2	20	77.5				Valve Closed
6/15/2016	70	28.64	727.46	F	-2.8	7.3	80	36	22.4	4.3	37.3	14	5.04	14	Valve Closed
9/20/2016	73	29.03	737.36	R	-9	0.9	97	61.3	34.8	0.5	3.4	11	6.743	11	Valve Closed
12/1/2016	33	28.76	730.50	R	-9.5	-1.7	58	7.8	24.1	0.4	67.7	28	2.184	29	Valve Open
3/28/2017	38	28.99	736.35	S	-11.9	-2	60	5.7	18.6	3.6	72.1	34	1.938	35	Valve Open
6/5/2017	77	30	762	S	-11.9	-0.8	61	0.7	1.8	18.6	78.9	22	0.154	22	Valve Closed
9/6/2017	60	30.14	765.56	S	-9.6	1	61	0	0	20.5	79.5				Valve Closed
12/19/2017	35	28.8	731.52	R	-11.3	-0.4	35	0.1	0.1	21.2	78.6				Valve Closed
3/14/2018	25	28.89	733.806	S	-11.7	0	35	1.3	4.3	17.4	77				Valve Closed
*6/19/2018	59	28.98	736.092	S	-11.8	0	63	38.2	21.3	7.8	32.7				Valve Open
*9/24/2018	60	29.95	760.73	S	0.2	0.3	73	55.7	33.1	0.2	11				Valve Open
12/28/2018	22	28.86	733.044	S	-12.5	-5.3	67	0.1	0	22.4	77.5	72	0.072	21	Valve Closed
3/20/2019	35	29.89	759.206	S	-7.8	-0.1	39	34.8	30	0.1	35.1	23	8.004	83	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW-4 (DNR # 704)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
6/18/2019	70	29.99	761.746	S	-14.2	-5.7	72	0.1	0	20.8	79.1	87	0.087	233	Valve Closed
9/20/2019	67	30.08	764.032	S	-6.4	-0.4	75	43.9	31.4	0.2	24.5	53	23.267	63	Valve Open
12/4/2019	31	28.87	733.298	R	-11.3	-4.3	-	0.1	0	20.4	79.5	69	0.069	39	Valve Closed
3/17/2020	40	30.27	768.858	R	0	0	39	53	33.3	1.5	12.2	0	0	0	Valve Open, Broke
6/5/2020	70	31.15	791.21	S	-5.3	-4	-	0.1	0	19.9	80	84	0.084	80	Valve Broken
9/29/2020	54	29	736.6	S	-5.9	-4.2	70	0.1	0	21.2	78.7	56	0.056	64	Valve Broken
12/10/2020	40	29.94	760.476	S	-8.8	-4.1	70	0.1	0.1	21.6	78.2	46	0.046	0	Valve Broken
3/19/2021	57	30.5	774.7	R	-5.7	-0.2	57	0	0	21.2	78.8	0	0	0	Valve Broken
6/16/2021	80	30.03	762.762	R	-7	-4.7	74	0	0	20.1	79.9	25	0	107	Valve Broken
9/13/2021	67	29.97	761.238	R	-6.5	-4.5	75	0	0	20.5	79.5	16	0	32	Valve Broken
12/2/2021	41	29.89	759.206	R	-5.6	1.741	75	0	0	20.9	79.1	85	0	86	Valve Broken
3/9/2022	16	29.96	760.984	R	0	-4	72.9	15.9	25.3	0.3	58.5	72.1	0	73.5	Valve Open
6/9/2022	75	28.92	734.568	F	0	NA	86.5	12.9	19.8	3.3	64	71.2	9.1848	70.8	Valve Open
9/7/2022	73	29.13	739.902	R	0.03	NA	85.5	0	0	20.2	80	16	0	0	Valve Closed
11/22/2022	30	29.04	737.616	R	-1.21	0.314	75.2	0	0.2	21.7	78.1	34.5	0	34.9	Valve Closed
3/6/2023	32	28.99	736.346	F	-0.88	0.285	39.6	0	1	22	77	N/A	0	N/A	Valve Closed
5/31/2023	81	28.86	733.044	R	-3.6	-3.57	77.8	0	0.1	19.2	80.7	63.2	0	63.5	Valve Broken
9/18/2023	55	28.98	736.092	F	0.05	0.07	88.6	45.6	19.3	2.9	32.2	20.4	9.3024	20.7	Valve Broken
12/15/2023	38	29.24	742.696	F	-0.03	0.02	53.7	0.7	0.7	22.4	76.2	3.1	0.0217	31	Valve Open

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 5 (DNR # 705)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-19.00	0.00	40.00	33.50	23.90	0.00	42.60				lateral flange broken
2/17/2012	40	29.97 S			-18	0	42	25.7	26.3	0	48	0	0	0	lateral flange broken
3/27/2012	68	28.54 R													lateral flange broken
4/18/2012	60	28.75S			0	0	64	0	0	20.9	79.1	0	0	0	lateral flange broken
5/29/2012	60	28.67S			0	-0.2	66	0	0	21.2	78.8	1	0		lateral flange broken
6/25/2012	77	28.98S			0	0	79	0.1	0	20.6	79.3	5	0.005		lateral flange broken
7/18/2012	74	28.76S			0	-0.3	76	0	0	20.4	79.6	0			lateral flange broken
8/7/2012	85	28.86S			0	-0.1	90	0.3	0	20.1	79.6	0			lateral flange broken
9/10/2012	69	28.89F			0	0.2	88	24	23.4	0.4	52.2	0			lateral flange broken
10/1/2012	62	28.77S			0	-0.2	66	0	0	20.3	79.7	0			lateral flange broken
10/22/2012	60	28.76R						6.1	4.7	18.1	71.1				Blower Off
10/31/2012	40	30.00F						42.1	28.5	0.2	29.2				Blower Off
11/13/2012	36	30.15F						2.8	11.1	5.7	80.4				Blower Off
12/19/2012	28	29.99S						0	0	21.4	78.6				Blower Off
1/15/2013	22	29.00S						14.5	21.1	0.3	64.1				Blower Off
2/12/2013	26	29.90F						6.3	14.6	4.1	75				Blower Off
3/28/2013	32	30.34S						0	0	20.6	79.4				Blower Off
4/29/2013	55	28.60F						9	16.5	3	71.5				Blower Off
5/13/2013	50	28.81S						33.1	24.3	0	42.6				Blower Off
6/18/2013	65	28.93S			-6.1	-0.1	68	0.1	0	19.9	80				Valve Open
7/17/2013	90	29.09S			-9.9	-0.1	96	17.5	18.2	4.7	59.6				Valve Closed
8/13/2013	70	29.02S			-2	0	85	28.5	21.8	2.2	47.5	25	7.125	24	Valve Open
9/11/2013	82	28.86S			-0.5	-0.4	69	29.3	26.2	0.3	44.2	35	10.255	21	Valve wide open
10/8/2013	64	28.73F			0	0	61	29.7	28.2	0.1	42	35	10.395	36	Valve wide open
11/19/2013	26	29.01F			0.2	0.2	34	25.9	23.6	2.2	48.3	18	4.662	18	Valve wide open
12/18/2013	26	28.62F			0.3	0.3	25	43.1	30	0.1	26.8				Valve wide open
1/15/2014	3	28.92F			0.1	0	0	28.2	28.6	0.5	42.7				Valve wide open
2/18/2014	33	28.42S			-0.4	-0.4	34	1.6	1.8	19.7	76.9				Valve wide open
3/11/2014	37	28.69R			-0.6	-0.6	37	9.2	12.2	9.8	68.8	22	2.024	22	Valve wide open
4/22/2014	45	28.96S			-0.5	-0.4	54	18.1	23	0.4	58.5	29	5.249	44	Valve wide open
5/14/2014	46	29.10S			-0.5	-0.5	53	21.3	24.1	0.6	54	22	4.686	22	Valve wide open
6/16/2014	82	28.77S			0	0	94	29.5	20.5	2.7	47.3	38	11.21	38	Valve wide open
7/15/2014	61	29.94F			-0.2	-0.2	70	20.9	14.1	9.4	55.6	30	6.27	30	Valve wide open
8/5/2014	67	29.07S			-2.7	-2.1	60	22.8	22.8	0.5	53.9	54	12.312	54	Valve wide open
9/19/2014	64	28.75F			0.3	0.4	66	19.5	22.8	0	57.7	22	4.29	22	Valve wide open
10/9/2014	55	30.19S			-0.6	-0.4	62	18.9	23	0.4	57.7	13	2.457	23	Valve wide open
11/25/2014	22	28.91R			-0.1	-0.1	26	1.1	2.1	20.1	76.7				Valve wide open
12/18/2014	22	29.16S			0.2	0.2	23	27.1	24.5	0.5	47.9	14	3.794	11	Valve wide open
1/19/2015	29	28.79F			0.2	0.2	31	32.8	25	0.5	41.7	53	17.384	54	Valve wide open
3/20/2015	40	28.88S			0	0	42	21.7	14.5	9.2	54.6	21	4.557	21	Valve wide open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 5 (DNR # 705)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
4/7/2015	37	29.03S			0.1	0.1	42	28.3	19.8	4.6	47.3	29	8.207	28	Valve wide open
5/5/2015	67	29.06S			-0.8	-0.5	57	28.5	24.8	0	46.7	42	11.97	51	Valve wide open
6/16/2015	70	29.08S			-1.2	-1.2	86	0.1	0.1	20.9	78.9	47	0.047	47	Valve wide open
7/15/2015	70	30.05S			-1.9	-1.9	79	0	0.1	20.4	79.5	43	0	43	Valve wide open
8/4/2015	75	28.89S			-1.9	-1.8	94	0.2	0.1	19.6	80.1	49	0.098	49	Valve wide open
9/16/2015	80	28.75F			-1.7	-1.7	79	3.4	11.5	8.6	76.5	47	1.598	47	Valve wide open
10/15/2015	54	28.90R			-0.8	-0.7	60	0.6	3.7	17.6	78.1	10	0.06	10	Valve wide open
11/6/2015	42	29.99R			-1.8	-1.8	58	2.9	19.6	1.9	75.6	31	0.899	32	Valve wide open
12/21/2015	36	28.70S			0	0	31	5.4	15	7.1	72.5				Valve wide open
1/7/2016	32	29.98F			0.4	0.6	32	10.7	21.7	0.8	66.8	16	1.712	16	Valve wide open
2/1/2016	26	28.87R			0.2	0.2	38	1.1	4.4	17.2	77.3	16	0.176	15	Valve wide open
3/17/2016	40	28.69S			-0.3	-0.3	43	1.3	2.5	19.6	76.6				Valve wide open
4/4/2016	33	29.23R			-0.7	-0.8	47	0.9	2.2	19.6	77.3	51	0.459	51	Valve wide open
5/12/2016	46	28.89S			-0.7	-0.7	60	6.7	6.4	15.4	71.5	56	3.752	56	Valve wide open
6/15/2016	70	28.66	727.96	F	7.5	7.5	80	26	20.2	3.5	50.3	15	3.9	15	Valve wide open
7/21/2016	86	28.91	734.31	F	-0.1	-0.1	100	9.1	6.6	14.3	70	26	2.366	26	Valve wide open
8/9/2016	82	28.87	733.30	S	-0.1	0.1	95	32.1	21.9	1.8	44.2	27	8.667	27	Valve wide open
9/20/2016	73	29.04	737.62	R	0.9	0.9	90	38.5	22.5	2	37	12	4.62	11	Valve wide open
11/9/2016	58	29.19	741.43	F	0.3	0.3	59	26.4	25	0.1	48.5	16	4.224	17	Valve wide open
12/1/2016	33	28.77	730.76	R	-0.7	-0.7	37	6.1	21.3	3.1	69.5				Valve Open
1/3/2017	15	28.97	735.84	R	0	0	-	3.1	5	18.1	73.8				Valve Open
2/13/2017	44	28.84	732.54	F	0.5	0.5	40	22.5	24	0	53.5				Valve Open
3/28/2017	38	28.99	736.35	S	-0.3	-0.3	63	1.7	2.8	18.5	77				Valve Closed
4/11/2017	34	30.25	768.35	S	-0.3	-0.3	50	0.1	0.2	20.6	79.1				Valve Closed
5/8/2017	60	28.85	732.79	F	0.2	0.2	74	21.1	23.7	0.3	54.9	11	2.321	11	Valve Open
6/5/2017	77	30	762	S	-0.1	-0.1	78	2.4	2.7	17.7	77.2	24	0.576	24	Valve Open
7/21/2017	75	29.91	759.71	F	-0.3	-0.3	73	0	0	20.1	79.9		0		Valve Closed
8/15/2017	65	30.01	762.25	S	-0.2	-0.1	75	0	0	19.9	80.1	9	0	8	Valve Closed
9/6/2017	60	30.14	765.56	S	1.3	1.3	70	15.9	13.4	9.9	60.8				Valve Open
10/9/2017	48	28.95	735.33	S	1.3	1.2	57	0.1	0	20.6	79.3				Valve Closed
11/2/2017	36	29.88	758.95	R	-0.5	-0.5	40	0.2	0.2	21.2	78.4				Valve Open
12/1/2017	40	30.03	762.762	F	0	0	41	1	2.1	19.9	77	20	0.2	20	Valve Open
*1/8/2018	26	29.97	761.238	R	0	0	33	19	16.4	9	55.6	5	0.95	6	Valve Open
2/15/2018	32	28.7	728.98	R	-0.4	-0.3	40	26.7	19.6	6.6	47.1				Valve Open
3/14/2018	25	28.89	733.806	S	0.1	0.1	31	39	29.1	0.1	31.8				Valve Open
4/12/2018	38	29.73	755.142	S	-0.2	-0.2	39	13.3	7.4	15.3	64				Valve Open
5/10/2018	48	30.07	763.778	S	-0.2	-0.2	61	22.1	13.4	11	53.5				Valve Open
*6/19/2018	59	28.98	736.092	S	-0.1	-0.1	63	42	24.3	4.8	28.9				Valve Open
7/10/2018	84	29.17	740.918	S	-0.2	-0.2	71	0	0	20.4	79.6				Valve Closed
8/14/2018	67	29.98	761.492	S	0	0	91	21.9	15.1	11	52				Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 5 (DNR # 705)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
*9/24/2018	60	29.95	760.73	S	0.3	0.3	73	55.1	33.2	0.2	11.5				Valve Open
*10/15/2018	34	30.2	767.08	S	-0.2	-0.3	41	46.3	27.7	4.4	21.6	14	6.482	14	Valve Open
11/13/2018	10	30.5	774.7	S	-0.1	-0.1	57	24.5	19.5	11	45	16	3.92	16	Valve Open
12/28/2018	22	28.86	733.04	S	Well Frozen										Valve Open
*1/7/2019	37	29.51	749.55	S	-0.8	-0.7	39	48.1	32.8	1	18.1				Valve Open
2/13/2019	13	29.98	761.49	S	Valves Frozen										Valve Open
3/20/2019	35	29.89	759.21	S	0.00	0.00	39.00	57.90	33.10	0.20	8.80				Valve Open
4/8/2019	60	29.74	755.40	F	0.30	0.20	65.00	50.40	31.70	0.40	17.50				Valve Open
5/14/2019	61	29.95	760.73	S	-0.30	-0.30	78.00	4.30	2.80	18.50	74.40	54.00	2.32	54.00	Valve Closed
6/18/2019	70	29.99	761.75	S	-0.40	-0.40	80.00	9.10	5.70	16.00	69.20	54.00	4.91	54.00	Valve Open
7/24/2019	71	30.2	767.08	F	-0.30	-0.30	93.00	36.30	26.60	1.50	35.60	64.00	23.23	64.00	Valve Open
8/14/2019	70	30.08	764.03	S	-0.70	-0.70	82.00	5.20	3.60	18.50	72.70	52.00	2.70	52.00	Valve Open
9/20/2019	67	30.08	764.03	S	-0.30	-0.30	85.00	46.30	32.40	0.30	21.00	50.00	23.15	49.00	Valve Open
10/18/2019	52	29.79	756.67	S	-0.50	-0.20	58.00	48.40	34.20	0.50	16.90	56.00	27.10	56.00	Valve Open
11/22/2019	25	29.33	744.98	S	-0.60	-0.60	-	18.60	22.60	5.30	53.50	45.00	8.37	45.00	Valve Open
12/4/2019	31	28.87	733.30	R	-0.90	-0.80	-	2.50	2.50	19.10	75.90	46.00	1.15	46.00	Valve Closed
1/7/2020	23	30	762.00	R	-0.80	-0.70	-	0.90	0.70	20.60	77.80	50.00	0.45	50.00	Valve Closed
2/25/2020	45	29.42	747.27	R	0.00	0.00	-	40.00	26.20	4.20	29.60	0.00	0.00	0.00	Valve Open
3/17/2020	40	30.27	768.86	R	0.10	-0.10	39.00	25.00	14.10	12.20	48.70	0.00	0.00	0.00	Valve Open
4/21/2020	40	30.02	762.51	R	-0.30	-0.20	42.00	0.60	0.50	21.10	77.80	0.00	0.00	0.00	Valve Closed
5/29/2020	77	29.91	759.71	F	-0.03	-0.30	-	0.00	0.00	21.40	78.60	0.00	0.00	0.00	Valve Closed
6/5/2020	70	31.15	791.21	S	-0.30	-0.20	-	1.50	0.90	19.60	78.00	14.00	0.21	15.00	Valve Closed, Broke
7/28/2020	72	29.92	759.968	S	0.20	0.20	95.00	48.80	30.30	0.20	20.70	0.00	0.00	0.00	Valve Broken
8/11/2020	73	30.01	762.254	S	-0.10	0.00	93.00	0.60	0.30	19.80	79.30	31.00	0.19	94.00	Valve Broken
9/29/2020	54	29	736.6	S	0.00	0.00	68.00	48.00	33.70	0.30	18.00	28.00	13.44	28.00	Valve Broken
10/6/2020	56	29.84	757.936	F	0.20	0.20	76.00	52.50	34.20	0.20	13.10	0.00	0.00	0.00	Valve Broken
11/5/2020	35	29.05	737.87	S	0.00	0.00	68.00	0.10	0.00	21.10	78.80	31.00	0.03	31.00	Valve Broken
12/10/2020	40	29.94	760.476	S	0.00	0.00	46.00	31.00	21.30	9.00	38.70	6.00	1.86	7.00	Valve Broken
1/18/2021	21	29.9	759.46	R	-0.10	-0.10	27.00	1.50	1.10	21.40	76.00	14.00	0.21	15.00	Valve Broken
2/2/2021	20	30.32	770.128	F	-0.10	0.00	25.00	39.80	31.70	2.00	26.50	0.00	0.00	0.00	Valve Broken
3/19/2021	57	30.5	774.7	R	-0.10	0.00	59.00	0.20	0.40	20.30	79.10	0.00	0.00	0.00	Valve Broken
4/13/2021	35	28.94	735.08	R	-0.20	-0.10	38.00	0.00	0.10	21.90	78.00	0.00	0.00	0.00	Valve Broken
5/19/2021	65	30.01	762.25	R	0.00	0.00	69.00	0.50	0.30	20.10	79.10	0.00	0.00	0.00	Valve Broken
6/16/2021	80	30.03	762.762	R	-10.50	0.10	82.00	35.10	25.40	3.30	36.20	0.00	0.00	0.00	Valve Broken
7/8/2021	85	29.98	761.492	R	-0.10	-0.13	71.00	0.90	0.70	20.00	78.40				Valve Broken
8/10/2021	69	28.72	729.488	R	-0.40	0.03	79.00	40.30	26.10	3.50	30.10	12.00	4.84	11.00	Valve Broken
9/13/2021	67	29.97	761.238	R	-0.5	-0.5	72	47	30.7	0.5	21.8	5	2.35	6	Valve Broken
10/8/2021	63	29.9	759.46	R	-0.7	-0.035	63	0.8	0.5	20.4	78.3	<<>>		<<>>	Valve Broken
11/9/2021	42	30.14	765.556	R	-0.7	-0.066	54	46.7	32.5	1.2	19.6	0	0	0	Valve Broken
12/2/2021	41	29.89	759.206	R	-0.2	-0.048	45	18.4	12.4	13.9	55.3	0	0	0	Valve Broken

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 5 (DNR # 705)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION	
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm		
1/31/2022	17	29.76	755.904	R	0.05	-0.023	24.9	49.6	34.7	0.3	15.4	<<>>		<<>>	Valve Open	
2/25/2022	5	30.36	771.144	R	-0.05	-0.11	16.3	20.9	17	11.2	50.9	89.3	0	62.4	Valve Open	
3/9/2022	16	29.96	760.984	R	0	-0.1	31	28.7	22.9	7.7	40.7	<<>>		<<>>	Valve Open	
4/4/2022	33	29.87	758.698	R		NA	34.7	33.3	22.5	7.5	36.7	<<>>		<<>>	Valve Open	
5/11/2022	70	29.1	739.14	R	0	NA	78.6	0	0.9	20.1	79	0	0	38.5	Valve Open	
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	41.5	28.4	0.7	29.4	3.9	1.6185	2.6	Valve Open	
7/28/2022	62	28.9	734.06	R	-0.11	NA	-	1.7	1.6	20.2	76.5	-	NA	NA	Valve Open	
8/8/2022	56	29.07	738.378	R	NA	-0.05	59.1	46.6	29.6	2.6	21.2	NA	NA	NA	Valve Open	
9/7/2022	73	29.13	739.902	R	0.12	0.045	NA	39.5	26	2.7	31.8	9.3	3.6735	9.7	Valve Open	
10/10/2022	61	29.05	737.87	R	0.16	0.009	69.2	51.3	32.4	0.3	16	6.4	3.2832	6	Valve Open	
11/22/2022	30	29.04	737.616	R	0.17	-0.47	41.1	54.4	33	6.3	6.3	N/A	#VALUE!	N/A	Valve Open	
12/29/2022	37	28.58	725.932	R	-0.04	0.001	39.2	47.2	29.4	3.6	19.8	2.6	1.2272	2	Valve Open	
1/18/2023	32	28.99	736.346	F	1.7	-1.19	33.9	0	0.1	22.7	77.2	N/A	0	N/A	Valve Open	
2/21/2023	6	28.75	730.25	R	-	-	-	-	-	-	-	-	-	-	Valve Open	Frozen Gas Ports
3/6/2023	32	28.99	736.346	F	0.42	-0.073	41.5	55.8	34.5	5.4	4.3	N/A	0	N/A	Valve Open	
4/3/2023	38	29.05	737.87	S	-0.17	0.011	50.7	14.2	9.1	16.2	60.5	6.6	0.9372	6.3	Valve Open	
5/22/2023	71	29.17	740.918	F	0.12	0.08	85.6	0	0	18.4	81.6	N/A	0	N/A	Valve Broken	
5/31/2023	81	28.86	733.044	R	0.05	0.06	91.5	0	0	18.8	81.2	N/A	0	N/A	Valve Broken	
7/27/2023	90	28.82	732.028	R	0.02	0.004	92	0	0	19.9	80.1	4.5	0	3.7	Valve Closed	
8/8/2023	80	28.91	734.314	R	0.05	0.04	75.3	0	0.1	20.6	79.3	4.1	0	3.7	Valve Open	
9/18/2023	55	28.98	736.092	F	-0.05	-0.07	80.6	9.8	9.7	14.7	65.8	16.1	1.5778	15.9	Valve Open	
10/4/2023	65	28.79	731.266	F	-0.42	-0.52	67.2	0.2	0.2	21.6	78	31.9	0.0638	33.6	Valve Open	
11/29/2023	40	28.74	729.996	S	-0.05	-0.07	44.9	0.1	0.1	22.1	77.7	8.1	0.0081	7.2	Valve Open	
12/15/2023	38	29.24	742.696	F	0.07	0.06	42.1	0.1	0.1	23	76.8	2.9	0.0029	2.2	Valve Closed	

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 6 (DNR # 706)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-14.50	0.30	58.00	33.20	26.80	0.00	40.00	3	0.996		
2/17/2012	40	29.97 S			-15	0.1	58	28.1	25.1	0	46.8	0	0	0	
3/27/2012	68	28.54 R			-11.00	0.80	55.00	33.60	34.00	0.00	35.40				
4/18/2012	60	28.75S			-7	-0.3	50	21.7	25.3	0.4	52.6	0	0	0	Valve Open
5/29/2012	60	28.68S			-6.7	-0.4	52	0.9	1.2	20.9	77				Valve Open
6/25/2012	77	28.98S			-3.2	0	65	28.9	26.5	1.1	43.5	0			Valve Open
7/18/2012	74	28.76S			-7	-0.4	60	25.2	23.8	4.1	46.9	5	1.26		Valve Open
8/7/2012	85	28.86S			-7.4	-0.1	66	32.5	28.9	0.4	38.2	8	2.6	9	Valve Open
9/10/2012	69	28.89F			-3.8	0	68	36.8	31.2	0.3	31.7	0			Valve Open
10/1/2012	62	28.77S			-7.4	-7.2	59	26.9	30.3	0.4	42.4	3	0.807		Valve Open
10/22/2012	60	28.76R						43.2	32.2	3.2	21.4				Blower Off
10/31/2012	40	30.00F						57.7	38.8	0.2	3.3				Blower Off
11/13/2012	36	30.15F						5.5	6.1	15.2	73.2				Blower Off
12/19/2012	28	29.99S						0	0.1	21.4	78.5				Blower Off
1/2/2013	14	29.95S						50.2	35.5	0.7	13.6				Blower Off
1/15/2013	22	29.00S						24.2	20.9	4.1	50.8				Blower Off
2/12/2013	26	29.90F						11.6	13.9	9.4	65.1				Blower Off
3/28/2013	32	30.34S						41.9	30.7	1.7	25.7				Blower Off
4/29/2013	55	28.60F						29.9	23.5	5.8	40.8				Blower Off
5/13/2013	50	28.81S						60.4	39.4	0	0.2				Blower Off
6/18/2013	65	28.93S			-4.1	-0.2	59	27.2	22.6	5.4	44.8	2	0.544	4	Valve Open
7/17/2013	90	29.09S			-9.2	-0.2	64	31.9	29.4	0	38.7	3	0.957	3	Valve Open
8/13/2013	70	29.02S			-0.9	0	75	37.6	31.1	0	31.3	25	9.4	26	Valve Open
9/11/2013	82	28.86S			-0.2	-0.1	92	18.3	10.6	12.7	58.4	22	4.026	22	Valve Closed
10/8/2013	64	28.73F			-1.7	0	63	60.5	39.2	0.1	0.2				Valve Closed
11/19/2013	26	29.01F			-1.4	0.2	39	61.1	38.7	0	0.2	19	11.609	19	Valve Closed
12/18/2013	26	28.62F			0	0.3	27	57.4	42.3	0.1	0.2				Valve Closed
1/15/2014	3	28.92F			-9.2	0.1	0	57.9	41.8	0.1	0.2	23	13.317	23	Valve Closed
2/18/2014	33	28.42S			-0.6	-0.5	45	27.2	30.1	0.1	42.6	21	5.712		Valve Closed
3/11/2014	37	28.69R			-0.7	-0.7	41	15.9	21.9	6.7	55.5			21	Valve Closed
4/22/2014	45	28.96S			-0.4	-0.3	48	42.7	33.6	0	23.7	32	13.664	37	Valve Closed
5/14/2014	46	29.10S			-0.4	-0.4	57	37.6	28	4.8	29.6	24	9.024	24	Valve Closed
6/16/2014	82	28.77S			0	0	91	56.3	33.8	1.8	8.1	40	22.52	40	Valve Open
7/15/2014	61	29.94F			-0.2	-0.2	68	0.2	0.4	21.3	78.1	30	0.06	30	Valve Open
8/5/2014	67	29.07S			-0.8	-0.8	82	9.1	6.4	17.2	67.3	32	2.912	32	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 6 (DNR # 706)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
9/19/2014	64	28.75F			0.3	0.3	68	30.7	20.8	7.4	41.1				Valve Open
10/9/2014	55	30.19S			-0.2	-0.2	64	11.3	7.5	17.2	64	9	1.017	9	Valve Open
11/25/2014	22	28.91R			-0.1	-0.1	30	32.2	25.9	7.8	34.1				Valve Open
12/18/2014	22	29.16S			0.2	0.2	24	59.1	40.7	0	0.2				Valve Open
1/19/2015	29	28.79F			0.2	0.2	31	58.6	41.2	0	0.2	41	24.026	39	Valve Open
3/20/2015	40	28.88S			0	0	42	44.8	27.9	6.2	21.1	22	9.856	22	Valve Open
4/7/2015	37	29.03S			0.1	0.1	44	59.3	40.2	0.4	0.1	28	16.604	29	Valve Open
5/5/2015	67	29.06S			2	-0.1	77	0.2	0	21.9	77.9	25	0.05	24	Valve Open
6/16/2015	70	29.08S			-1.2	-1.2	86	0.1	0.2	21.1	78.6	47	0.047	47	Valve Open
7/15/2015	70	30.05S			-4.7	-4.1	56	9.9	19.9	3.1	67.1	54	5.346	58	Valve Open
8/4/2015	75	28.89S			-4.4	-3.9	57	8.5	16.8	4.1	70.6	57	4.845	65	Valve Open
9/16/2015	80	28.75F			-2.9	-2.8	60	8.7	18.4	3.1	69.8	52	4.524	56	Valve Open
10/15/2015	54	28.90R			-2.1	-1.9	60	8.2	19.5	3	69.3	36	2.952	33	Valve Open
11/6/2015	42	29.99R			-2.2	-2.3	59	8.7	21.2	2	68.1	46	4.002	41	Valve Open
12/21/2015	36	28.70S			-0.1	0	46	18.9	26.3	1.3	53.5	30	5.67	31	Valve Open
1/7/2016	32	29.98F			0.4	0.4	42	28.3	28	0.1	43.6	44	12.452	43	Valve Open
2/1/2016	26	28.87R			0.2	0.2	39	30.5	28.9	0.1	40.5	7	2.135	16	Valve Open
3/17/2016	40	28.69S			-0.3	-0.3	45	7.9	5.9	18.6	67.6				Valve Open
4/4/2016	33	29.23R			-1	-0.7	44	1.2	2.3	20.2	76.3	34	0.408	34	Valve Open
5/12/2016	46	28.89S			-0.7	-0.7	60	60.7	38.9	0.2	0.2	40	24.28	40	Valve Open
6/15/2016	70	28.66	727.96	F	7.5	7.5	77	60.7	39.1	0.1	0.1	15	9.105	15	Valve Open
7/21/2016	86	28.92	734.57	F	0	0	91	55.3	36.6	1.1	7	27	14.931	27	Valve Open
8/9/2016	82	28.86	733.04	S	-0.1	0.1	89	60.8	38.9	0.1	0.2	29	17.632	29	Valve Open
9/20/2016	73	29.03	737.36	R	0.9	0.9	80	60.7	39	0.2	0.1	12	7.284	12	Valve Open
11/9/2016	58	29.17	740.92	F	-0.1	-0.2	56	28.9	29.6	2.5	39	11	3.179		Valve Open
12/1/2016	33	28.8	731.52	R	-1.1	-0.9	53	15.1	27.1	0.5	57.3	25	3.775		Valve Open
1/3/2017	15	28.92	734.57	R	0.5	0.5	-	40.2	30.3	4.4	25.1				Valve Open
2/13/2017	44	28.84	732.54	F	0.5	0.6	58	58.9	40.3	0	0.8				Valve Open
3/28/2017	38	29.02	737.11	S	-0.2	0	73	0.1	0.1	20.3	79.5			5	Valve Closed
4/11/2017	34	30.25	768.35	S	-0.2	-0.2	49	0.5	1.1	20.4	78				Valve Closed
5/8/2017	60	28.85	732.79	F	0.2	0.2	72	58.1	39	0.6	2.3	13	7.553	13	Valve Open
6/5/2017	77	30	762	S	-0.1	-0.1	78	0.1	0	19.9	80	24	0.024	24	Valve Closed
7/21/2017	75	29.91	759.71	F	-0.1	-5.4	73	0	0	20	80				Valve Closed
8/15/2017	65	30.01	762.25	S	0	-0.1	76	0	0	19.9	80.1	10	0	10	Valve Closed
9/6/2017	60	30.14	765.56	S	1.5	1.4	68	0	0	20.3	79.7				Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 6 (DNR # 706)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
10/9/2017	48	28.95	735.33	S	1.4	1.3	64	0.1	0	20.6	79.3				Valve Open
11/2/2017	36	29.88	758.95	R	0	-0.4	40	0.1	0.3	21.2	78.4				Valve Closed
12/1/2017	40	30.03	762.76	F	-0.2	0	42	53	37.2	3.2	6.6	21	11.13	21	Valve Open
*1/8/2018	26	29.97	761.238	R	0	0	32	55	38.8	1.4	4.8	4	2.2	5	Valve Open
2/15/2018	32	28.7	728.98	R	-0.2	-0.2	38	31	22.5	11.1	35.4				Valve Open
3/14/2018	25	28.89	733.806	S	0.1	0.1	35	58.1	41.6	0.1	0.2				Valve Open
4/12/2018	38	29.73	755.142	S	-0.2	-0.2	37	52.9	37	2.6	7.5				Valve Open
5/10/2018	48	30.07	763.778	S	-0.2	-0.1	61	53.5	36.7	2.7	7.1				Valve Open
*6/19/2018	59	28.98	736.092	S	-0.2	0	63	0.4	0.2	20.6	78.8				Valve Closed
7/10/2018	84	29.17	740.918	S	-0.2	0	70	0	0	20.4	79.6				Valve Closed
8/14/2018	67	29.98	761.492	S	0	0	87	37	26.4	7.3	29.3				Valve Open
*9/24/2018	60	29.95	760.73	S	0.2	0.2	73	48.9	32.6	0.3	18.2	6	2.934	5	Valve Open
*10/15/2018	34	30.2	767.08	S	-0.1	-0.1	45	22.7	26	3.3	48				Valve Open
11/13/2018	10	30.5	774.7	S	0	0	25	37.4	28.3	10.2	24.1				Valve Open
12/28/2018	22	28.86	733.04	S	-1.1	-1	27	1.7	2	20.6	75.7	26	0.44	13	Valve Closed
*1/7/2019	37	29.51	749.55	S	-0.7	-0.7	38	55.7	43.9	0.2	0.2	43	23.95	42	Valve Open
2/13/2019	13	29.98	761.49	S	0	0	23	53.1	36.9	3.1	6.9	11	5.84	6	Valve Open
3/20/2019	35	29.89	759.21	S	0	0	39	57.6	42.1	0.1	0.2	9	5.18	10	Valve Open
4/8/2019	60	29.74	755.40	F	0	0.2	66	58.6	40.9	0.3	0.2	25	14.65	24	Valve Open
5/14/2019	61	29.95	760.73	S	0	-0.3	76	58.6	39.6	0.9	0.9	56	32.82	56	Valve Open
6/18/2019	70	29.99	761.75	S	0	-0.4	76	59.2	40.4	0.3	0.1	56	33.15	56	Valve Open
7/24/2019	71	30.2	767.08	F	0	-0.3	89	60.4	39.1	0.4	0.1	57	34.43	57	Valve Open
8/14/2019	70	30.08	764.03	S	-1	-0.6	75	39.2	31.9	4.6	24.3	53	20.78	53	Valve Open
9/20/2019	67	30.08	764.03	S	0	-0.2	85	59.5	40.1	0.2	0.2	55	32.73	55	Valve Open
10/18/2019	52	29.79	756.67	S	0	-0.2	59	58.7	40.9	0.3	0.1	50	29.35	50	Valve Open
11/22/2019	25	29.33	744.98	S	-1	-0.5	-	31	24.6	9	35.4	39	12.09	39	Valve Open
12/4/2019	31	28.87	733.30	R	-1	-0.7	-	11.3	8.3	17.1	63.3	47	5.31	47	Valve Open
1/7/2020	23	30	762.00	R	-1	-0.7	-	46.8	33.1	5.1	15	58	27.14	58	Valve Open
2/25/2020	45	29.42	747.27	R	0	0	-	58.8	39.8	0.7	0.7	0	0.00	0	Valve Open
3/17/2020	40	30.27	768.86	R	0	0	41	19.7	14.7	14.9	50.7	0	0.00	0	Valve Open
4/21/2020	40	30.02	762.51	R	0	-0.2	43	0.2	0.1	21.6	78.1	0	0.00	0	Valve Closed
5/29/2020	77	29.91	759.71	F	-1	-0.2	-	0	0	21.3	78.7	0	0.00	0	Valve Closed
6/5/2020	70	31.15	791.21	S	-1	-0.1	-	0.1	0	20.2	79.7	14	0.01	14	Valve Closed
7/28/2020	72	29.92	759.968	S	0	0.2	89	60.2	39.4	0.2	0.2	11	6.62	12	Valve Open
8/11/2020	73	30.01	762.254	S	0	0	94	0.8	0.6	19.6	79	18	0.14	98	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 6 (DNR # 706)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
9/29/2020	54	29	736.6	S	0	0.1	70	59.1	40.7	0	0.2	28	16.55	29	Valve Open
10/6/2020	56	29.84	757.936	F	0	0.2	76	59.4	40.2	0.3	0.1	15	8.91	16	Valve Open
11/5/2020	35	29.05	737.87	S	0	0	69	7.3	4.8	18.5	69.4	17	1.24	18	Valve Open
12/10/2020	40	29.94	760.476	S	0	0	43	57.8	41.9	0.2	0.1	0	0.00	0	Valve Open
1/18/2021	21	29.9	759.46	R	0	0	28	27.5	22.1	11.4	39	9	2.48	4	Valve Open
2/2/2021	20	30.32	770.128	F	0	0	27	58.6	40.4	0.9	0.1	0	0.00	0	Valve Open
3/19/2021	57	30.5	774.7	R	0	-6.5	54	52.5	40.1	0.8	6.6	0	0.00	59	Valve Open
4/13/2021	35	28.94	735.08	R	0	0	39	8.2	6.8	18.9	66.1	0	0.00	0	Valve Open
5/19/2021	65	30.01	762.25	R	0	0	69	4.4	2.9	18.8	73.9	0	0.00	0	Valve Closed
6/16/2021	80	30.03	762.762	R	0	0.1	82	60	38.9	0.4	0.7	6	3.60	6	Valve Open
7/8/2021	85	29.98	761.492	R	0	-0.113	72	0.3	0.2	20.4	79.1				Valve Closed
8/10/2021	69	28.72	729.488	R	-1	0.202	78	50.1	34.9	2.8	12.2	10	5.01	29	Valve Open
9/13/2021	67	29.97	761.238	R	-0.5	-0.5	75	59.7	40	0.2	0.1	9	5.37	9	Valve Open
10/8/2021	63	29.9	759.46	R	-0.7	0.001	62	12.7	8.5	16.2	62.6	1	0.13	2	Valve Open
11/9/2021	42	30.14	765.556	R	-0.6	-0.058	56	59.6	39.8	0.4	0.2	0	0.00	0	Valve Open
12/2/2021	41	29.89	759.206	R	-0.2	0.114	51	0	0.1	21	78.9	26	0.00	22	Valve Closed
1/31/2022	17	29.76	755.904	R	0.14	0.647	27.4	58.2	41.6	0.3	N/A	54.5	0	54.7	Valve Open
2/25/2022	5	30.36	771.144	R	-0.02	-0.11	24.5	56.9	38.8	1.2	3.1	81.5	0	79.1	Valve Open
3/9/2022	16	29.96	760.984	R	0	-0.03	32.9	58.6	39.8	0.6	1	80.6	0	75.7	Valve Open
4/4/2022	33	29.87	758.698	R	0	NA	34.2	58.7	39.9	1	0.4	<<>>		<<>>	Valve Open
5/11/2022	70	29.1	739.14	R	0	NA	77.7	21.9	12.4	15.4	50.3	0	0	0	Valve Closed
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	38.3	30.9	4.9	25.9	1.7	0.6511	2.2	Valve Open
7/28/2022	62	28.9	734.06	R	-0.1	-0.24	74.1	0.7	0.7	20.7	77.9	0	0	0	Valve Closed
8/8/2022	56	29.07	738.378	R	NA	-0.04	60.6	39.2	29.7	6.2	24.9	4	1.568	9.7	Valve Closed
9/7/2022	73	29.13	739.902	R	0.15	0.052	NA	48.7	36.5	0.6	14.2	7.9	3.8473	10.5	Valve Closed
10/10/2022	61	29.05	737.87	R	0.21	0.012	70.6	58.5	40.6	0.4	0.5	7.2	4.212	6.9	Valve Open
11/22/2022	30	29.04	737.616	R	0.1	-0.048	39.3	57	39.3	1.2	2.5	N/A	#VALUE!	N/A	Valve Closed
12/29/2022	37	28.58	725.932	R	-0.01	0.003	40.1	41.1	30.6	5.4	22.9	9.2	3.7812	3.4	Valve Open
1/18/2023	32	28.99	736.346	F	0.1	-0.001	33.6	57.7	40	0.6	1.7	N/A	0	N/A	Valve Closed
2/21/2023	6	28.75	730.25	R	0.02	0.022	19	43.9	31.7	5.2	19.2	11.8	5.1802	9.7	Valve Opened
3/6/2023	32	28.99	736.346	F	0.51	-0.012	38.8	52.6	34.4	6.7	6.3	N/A	0	N/A	Valve Opened
4/3/2023	38	29.05	737.87	S	-0.05	-0.005	50.1	0.5	0.5	21.7	77.3	<<>>		<<>>	Valve Closed
5/22/2023	71	29.17	740.918	F	0.01	0.003	82.5	60	39.2	0.7	0.1	3.9	2.34	3.3	Valve Open
5/31/2023	81	28.86	733.044	R	0.04	0.04	90.8	38	26.9	6.4	28.79	7.6	2.89	7.6	Valve Open
7/27/2023	90	28.82	732.028	R	0.07	0	95.4	46.2	31.7	4.4	17.7	2.1	0.97	1	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 6 (DNR # 706)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
8/8/2023	80	28.91	734.314	R	0.01	-0.01	77.6	58.5	39.6	0.9	1	6	3.51	4.6	Valve Open
9/18/2023	55	28.98	736.092	F	-0.05	-0.09	81.6	9.1	9.2	19.2	62.5	21.1	1.92	19.9	Valve Open
10/4/2023	65	28.79	731.266	F	0.08	0.02	67.3	0.5	0.4	21.6	77.5	-	-	-	Valve Closed
11/29/2023	40	28.74	729.996	S	0.02	0.01	47.2	53.3	37.8	2	6.9	-	-	-	Valve Closed
12/15/2023	38	29.24	742.696	F	0.03	0	40.6	58.8	40.7	0.5	0	23.2	13.64	24.4	Valve Closed

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 7 (DNR # 707)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-19.10	0.20	52.00	37.90	30.80	0.00	31.30	2	0.758		
2/17/2012	40	29.97 S			-18	0.3	55	30.2	28.6	0	41.2	2	0.604	0	Valve Open
3/27/2012	68	28.54 R			-17.00	0.80	60.00	20.50	27.00	0.00	52.70	2	0.41		
4/18/2012	60	28.75S			-16.6	-0.1	50	21.7	25.3	0.4	52.6	2	0.434	0	Valve Open
5/29/2012	60	28.67S			-16.8	-0.2	58	26.7	28.7	1.3	43.3				Valve Open
6/25/2012	77	28.98S			-8.3	-0.2	22.6	27.6	1.6	1.6	47.9	0			Valve Open
7/18/2012	74	28.76S			-15.5	-0.5	68	20.6	27.7	1.9	49.8	0			Valve Open
8/7/2012	85	28.86S			-8.4	-0.3	76	20	27.7	1.6	50.7	9	1.8	6	Valve Open
9/10/2012	69	28.89F			-3.7	0	77	14	25.9	0.7	59.4	0			Valve Open
10/1/2012	62	28.77S			-7.2	-0.4	65	6.4	22.6	1.8	69.2	0			Valve Open
10/22/2012	60	28.76R						20.4	14.7	12.8	52.1				Blower Off
10/31/2012	40	30.00F						43.6	29.8	0.2	26.4				Blower Off
11/13/2012	36	30.15F						19.7	23.7	0.3	56.3				Blower Off
11/27/2012	25	30.20F						40.9	30.1	0.2	28.8				Blower Off
12/12/2012	24	29.90F						52.2	32.6	0.2	15				Blower Off
12/19/2012	28	29.99S						0	0	21.4	78.6				Blower Off
1/15/2013	22	29.00S						35.3	29.6	0.4	34.7				Blower Off
2/12/2013	26	29.90F						23.2	26	0.3	50.5				Blower Off
3/28/2013	32	30.34S						32.6	24.8	5.1	37.5				Blower Off
4/29/2013	55	28.60F						31.9	26.8	0	41.3				Blower Off
5/13/2013	50	28.81S						49.7	28.3	0	21.5				Blower Off
6/18/2013	65	28.93S			-5.1	-0.2	65	43.8	30.8	0.8	24.6	1	0.438	5	Valve Open
7/17/2013	90	29.09S			-8.1	-0.4	79	22	29.2	0.4	48.4	4	0.88	4	Valve Open
8/13/2013	70	29.02S			0.7	0	77	21.9	23.9	4.3	49.9	25	5.475	25	Valve Open
9/11/2013	82	28.86S			-0.5	0	88	0.1	0	19.6	80.3	23	0.023	23	Valve Closed
10/8/2013	64	28.73F			-1.6	-0.1	66	0.5	0.7	19.6	79.2				Valve Closed
11/19/2013	26	29.01F			-1.4	0	40	6.4	5.6	16	72	17	1.088	17	Valve Closed
12/18/2013	26	28.62F			0	0.4	30	52.6	32.8	0.1	14.5				Valve Closed
1/15/2014	3	28.92F			-10.1	-0.2	0	30.7	31.8	1.8	35.7	18	5.526	18	Valve Closed
2/18/2014	33	28.42S			-13.2	-0.4	59	1.2	1.2	20.3	77.3	27	0.324	26	Valve Closed
3/11/2014	37	28.69R			-13.1	-0.7	40	0	0.1	22.2	77.7	20	0	20	Valve Closed
4/22/2014	45	28.96S			-9.6	-0.8	58	0.3	0	21.6	78.1	30	0.09	30	Valve Closed
5/14/2014	46	29.10S			-5.4	-0.6	65	0.1	0.1	21	78.8	23	0.023	23	Valve Closed
6/16/2014	82	28.77S			-6.4	0	94	35.1	23.4	0.9	40.6	39	13.689	39	Valve Closed
7/15/2014	61	29.94F			-6.2	-0.3	68	10.3	6.5	16.5	66.7	31	3.193	31	Valve Closed
8/5/2014	67	29.07S			-4.6	-0.2	85	0.1	0	21.4	78.5	32	0.032	32	Valve Closed
9/19/2014	64	28.75F			0.1	-0.8	66	17	25.8	0.3	56.9	46	7.82	49	Valve Open
10/9/2014	55	30.19S			-3.4	-1.5	69	13.4	23.8	1.3	61.5	47	6.298	66	Valve Open
11/25/2014	22	28.91R			-4.9	-2.7	80	11.4	22.9	2.5	63.2	75	8.55	56	Valve Open
12/18/2014	22	29.16S			0	0	28	12.4	11.1	13.9	62.6				Valve Open
1/19/2015	29	28.79F			0.1	0.1	31	46.9	32	0	21.1				Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 7 (DNR # 707)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
3/20/2015	40	28.88S			-0.1	-0.1	44	0	0.5	22.4	77.1	20	0	20	Valve Open
4/7/2015	37	29.03S			0	0	40	0	0.1	22.6	77.3	26	0	26	Valve Open
5/5/2015	67	29.06S			-1.8	-0.6	87	11.7	20.6	1.5	66.2	33	3.861	34	Valve Open
6/16/2015	70	29.08S			-2.9	-2.3	89	7.8	19.1	2.5	70.6	51	3.978	57	Valve Open
7/15/2015	70	30.05S			-5.4	-3.6	80	10.1	22.7	0.6	66.6	73	7.373	77	Valve Open
8/4/2015	75	28.89S			-5.2	-3.7	80	9.5	21	1.2	68.3	70	6.65	71	Valve Open
9/16/2015	80	28.75F			-3.5	-2.6	81	9.4	22	0.9	67.7	62	5.828	57	Valve Open
10/15/2015	54	28.90R			-2.7	-1.9	78	9.2	23.1	1.1	66.6	36	3.312	48	Valve Open
11/6/2015	42	29.99R			-4	-3.3	79	8.8	23.2	1.3	66.7	58	5.104	52	Valve Open
12/21/2015	36	28.70S			-3.2	-2.1	72	8.2	23.8	0.8	67.2	54	4.428	47	Valve Open
1/7/2016	32	29.98F			-3	-2.1	71	8.2	22.7	0.7	68.4	54	4.428	61	Valve Open
2/1/2016	26	28.87R			-3.5	-1.8	71	7	21.8	1.2	70	63	4.41	18	Valve Open
3/17/2016	40	28.69S			-0.6	-0.6	44	0.1	0.3	21.4	78.2				Valve Open
4/4/2016	33	29.23R			-1	-0.9	40	0	0.1	21.4	78.5	34	0	34	Valve Open
5/12/2016	46	28.89S			-0.6	-1	60	59.2	38.1	0.6	2.1	40	23.68	40	Valve Open
6/15/2016	70	28.65	727.71	F	7.3	7.2	80	60.4	39	0.1	0.5	17	10.268	17	Valve Open
7/21/2016	86	28.91	734.31	F	-0.2	-0.2	93	0.1	0	20	79.9	26	0.026	27	Valve Open
8/9/2016	82	28.85	732.79	S	0	0	93	61	38.7	0.1	0.2	29	17.69	29	Valve Open
9/20/2016	73	29.05	737.87	R	0	0	92	60.5	39.2	0.2	0.1	25	15.125	25	Valve Open
11/9/2016	58	29.17	740.92	F	-1.7	0	70	25.9	28.5	3.4	42.2	16	4.144	18	Valve Open
12/1/2016	33	28.77	730.76	R	-4.2	-0.8	42	6.8	9.7	13.1	70.4				Valve Open
1/3/2017	15	28.92	734.57	R	0.2	0.2	-	0.2	0.1	20.4	79.3				Valve Open
2/13/2017	44	28.83	732.28	F	0.1	0.2	60	32.3	28.6	0	39.1				Valve Open
3/28/2017	38	29.01	736.85	S	-0.8	-0.8	64	0	0	20.5	79.5	7	0	7	Valve Closed
4/11/2017	34	30.25	768.35	S	-0.8	-0.8	45	0.3	1.5	20.2	78		0		Valve Closed
5/8/2017	60	28.85	732.79	F	0	0	71	0.1	0	20.8	79.1	13	0.013	13	Valve Closed
6/5/2017	77	30	762	S	-0.1	-0.1	76	1.6	12.2	18.3	67.9	15	0.24	15	Valve Closed
7/21/2017	75	29.91	759.71	F	-0.3	-0.3	74	0.5	1	19.6	78.9	4	0.02	4	Valve Closed
8/15/2017	65	30.01	762.25	S	-0.3	-0.3	81	0	1.4	19.3	79.3	12	0	0	Valve Closed
9/6/2017	60	30.14	765.56	S	1.1	1.1	71	0.1	2.3	19.4	78.2				Valve Closed
10/9/2017	48	28.95	735.33	S	1.4	1.4	61	0.3	2.1	19.9	77.7				Valve Closed
11/2/2017	36	29.88	758.95	R	-0.6	-0.6	41	1.5	15	16.5	67				Valve Open
12/1/2017	40	30.03	762.762	F	-0.2	-0.2	44	0.4	18.9	8.5	72.2	17	0.068	17	Valve Open
*1/8/2018	26	29.97	761.238	R	-0.1	-0.1	43	5.6	5.9	17.8	70.7	33	1.848	33	Valve Open
2/15/2018	32	28.7	728.98	R	-0.3	-0.4	42	43.5	29.6	5.1	21.8				Valve Open
3/14/2018	25	28.89	733.806	S	0	0	37	59.5	40.1	0.2	0.2				Valve Open
4/12/2018	38	29.73	755.142	S	-0.4	-0.4	46	50.5	36.3	3.5	9.7				Valve Open
5/10/2018	48	30.07	763.778	S	-0.2	-0.1	61	46.7	32.2	4	17.1				Valve Open
*6/19/2018	59	28.98	736.092	S	-0.1	-0.1	65	25.4	23.7	3.9	47				Valve Open
7/10/2018	84	29.17	740.918	S	-0.1	-0.1	74	0	0	20.4	79.6				Valve Open
8/14/2018	67	29.98	761.492	S	0	-4.5	89	21.3	22.5	1.6	54.6	4	0.852	3	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 7 (DNR # 707)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
*9/24/2018	60	29.95	760.73	S	0.2	0.2	77	41.4	31.5	0.2	26.9	8	3.312	7	Valve Open
*10/15/2018	34	30.2	767.08	S	-0.3	-0.3	41	0.1	0.2	21.4	78.3				Valve Open
11/13/2018	10	30.5	774.7	S	0	-0.2	24	37.4	27.1	7.9	27.6	23	8.602	24	Valve Open
12/28/2018	22	28.86	733.04	S	-1.3	-1.3	22	0.1	0.1	22	77.8	20	0.02	20	Valve Open
*1/7/2019	37	29.51	749.55	S	-0.6	-0.6	39	43.3	31.4	1.7	23.6	27	11.69	27	Valve Open
2/13/2019	13	29.98	761.49	S	0	0	26	47.5	30.6	2.7	19.2	4	1.90	5	Valve Open
3/20/2019	35	29.89	759.21	S	-0.1	-0.1	38	60.5	33.8	1.4	4.3	10	6.05	9	Valve Open
4/8/2019	60	29.74	755.40	F	0.1	0.1	68	61.8	37.6	0.4	0.2	23	14.21	23	Valve Open
5/14/2019	61	29.95	760.73	S	-0.5	-0.6	75	0.1	0.1	20.6	79.2	53	0.05	53	Valve Open
6/18/2019	70	29.99	761.75	S	-0.5	-0.5	76	47.9	32.7	4	15.4	56	26.82	56	Valve Open
7/24/2019	71	30.2	767.08	F	-0.5	-0.5	92	0.2	0	19.6	80.2	54	0.11	54	Valve Open
8/14/2019	70	30.08	764.03	S	-0.9	-0.9	76	28.8	21.9	8.3	41	54	15.55	54	Valve Open
9/20/2019	67	30.08	764.03	S	-0.4	-0.4	84	9.1	5.2	15.6	70.1	53	4.82	53	Valve Open
10/18/2019	52	29.79	756.67	S	-0.3	-0.3	61	8.5	5.9	15.9	69.7	50	4.25	50	Valve Open
11/22/2019	25	29.33	744.98	S	-0.6	-0.7	-	0.1	0.1	21.5	78.3	48	0.05	44	Valve Closed
12/4/2019	31	28.87	733.30	R	-0.9	-0.8	-	0.1	0	20.6	79.3	48	0.05	48	Valve Closed
1/7/2020	23	30	762.00	R	-0.7	-0.7	-	0.1	0.1	21.8	78	50	0.05	50	Valve Closed
2/25/2020	45	29.42	747.27	R	0	0	-	0.4	0.4	21.8	77.4	0	0.00	0	Valve Closed
3/17/2020	40	30.27	768.86	R	0	0	42	0.1	0.2	22	77.7	0	0.00	0	Valve Closed
4/21/2020	40	30.02	762.51	R	-0.3	-0.3	41	0	0	21.9	78.1	0	0.00	0	Valve Closed
5/29/2020	77	29.91	759.71	F	-0.4	-0.5	-	0	0.1	21.4	78.5	0	0.00	0	Valve Closed
6/5/2020	70	31.15	791.21	S	-0.2	-0.2	-	0.1	0	20.5	79.4	16	0.02	16	Valve Closed
7/28/2020	72	29.92	759.968	S	0.1	0.1	92	55.6	32.1	0.2	12.1	8	4.45	8	Valve Open
8/11/2020	73	30.01	762.254	S	-0.3	-0.2	89	0.1	0	20.1	79.8	16	0.02	93	Valve Open
9/29/2020	54	29	736.6	S	0	0	76	43.8	30.1	1.9	24.2	29	12.70	29	Valve Opened
10/6/2020	56	29.84	757.936	F	0	0	79	49.2	33.7	0.4	16.7	14	6.89	14	Valve Open
11/5/2020	35	29.05	737.87	S	0	0	68	0.1	0.1	21.1	78.7	5	0.01	7	Valve Closed
12/10/2020	40	29.94	760.476	S	0	0	50	5.7	4	19.4	70.9	0	0.00	0	Valve Closed
1/18/2021	21	29.9	759.46	R	Frozen										Valve Open
2/2/2021	20	30.32	770.128	F	Frozen										Valve Open
3/19/2021	57	30.5	774.7	R	-0.4	-7.5	51	24.6	20.5	1.6	53.3	0	0.00	45	Valve Open
4/13/2021	35	28.94	735.08	R	-0.2	-0.2	40	0	0.1	21.6	78.3	0	0.00	0	Valve Closed
5/19/2021	65	30.01	762.25	R	-0.1	-0.1	68	1.5	1	19.6	77.9	0	0.00	0	Valve Closed
6/16/2021	80	30.03	762.762	R	0.1	0.1	96	25.6	17.5	6.8	50.1	18	4.61	19	Valve Open
7/8/2021	85	29.98	761.492	R	0	-0.112	75	0	0	20.3	79.7				Valve Closed
8/10/2021	69	28.72	729.488	R	-0.5	0.026	81	47.6	31.1	0.7	20.6	11	5.24	10	Valve Open
9/13/2021	67	29.97	761.238	R	-0.6	-0.6	75	53.3	33	0.2	13.5	8	4.26	9	Valve Open
10/8/2021	63	29.9	759.46	R	-0.7	-0.056	62	5.7	3.4	18.5	72.4	<<>>		<<>>	Valve Open
11/9/2021	42	30.14	765.556	R	-0.7	-0.049	61	49.7	31.9	1.7	16.7	0	0.00	0	Valve Open
12/2/2021	41	29.89	759.206	R	-0.1	-0.048	49	0	0.1	21.1	78.8	0	0.00	0	Valve Closed
1/31/2022	17	29.76	755.904	R	0.03	1.476	28.7	37.8	27.3	5.6	29.3	87.2	0	82.4	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 7 (DNR # 707)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION	
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm		
3/9/2022	16	29.96	760.984	R	0	-0.03	27.8	31.9	23.5	11	33.6	<<>>		<<>>	Valve Open	
4/4/2022	33	29.87	758.698	R		NA	36.5	49	34.5	3.2	13.3	<<>>		<<>>	Valve Open	
5/11/2022	70	29.1	739.14	R	0	NA	77	38.4	31.8	0.7	29.1	2.1	0.8064	2.4	Valve Closed	
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	28.4	23	5.3	43.3	13.7	3.8908	14.1	Valve Open	
7/28/2022	62	28.9	734.06	R	NA	0	72.7	0.5	0.6	20.4	78.5	5.6	0.028	6.4	Valve Closed	
8/8/2022	56	29.07	738.378	R	NA	-0.01	>>>>	1	2.3	18.5	78.2	5.5	0.055	4.1	Valve Closed	
9/7/2022	73	29.13	739.902	R	0.1	0.063	NA	23	19.5	5.1	52.4	11.3	2.599	11.4	Valve Closed	
10/10/2022	61	29.05	737.87	R	0.06	0.055	71	32.1	28.2	0.6	39.1	17.2	5.5212	14.5	Valve Open	
11/22/2022	30	29.04	737.616	R	-0.02	0.009	38.7	34.6	29.4	1.4	34.6	4.9	1.6954	5.8	Valve Open	
12/29/2022	37	28.58	725.932	R	0	0	47.2	0	0.4	22.5	77.1	2.9	0	1	Valve Closed	
1/18/2023	32	28.99	736.346	F	1.98	-2.34	34.6	0.1	0.8	22.2	76.9	N/A	0	N/A	Valve Closed	
2/21/2023	6	28.75	730.25	R	-	-	-	-	-	-	-	-	-	-	Valve Closed	Frozen Gas Ports
3/6/2023	32	28.99	736.346	F	-0.09	0.013	36.2	41.2	30.7	2.3	25.8	N/A	0	N/A	Valve Opened	
4/3/2023	38	29.05	737.87	S	-0.06	-0.004	54.7	0.1	0.2	21.8	77.9	<<>>		<<>>	Valve Closed	
5/22/2023	71	29.17	740.918	F	-0.01	0.01	84	0.4	0.6	19.2	79.8	5.4	0.0216	5.8	Valve Closed	
5/31/2023	81	28.86	733.044	R	0.07	0.08	91.2	0	0.1	19.3	80.6	4.4	0	5.6	Valve Closed	
7/27/2023	90	28.82	732.028	R	0.03	0.016	94.9	0.4	0.3	19.4	79.9	8	0.032	7.5	Valve Closed	
8/8/2023	80	28.91	734.314	R	-0.01	-0.01	77.1	7.2	5.4	16.3	71.1	6.8	0.4896	6.1	Valve Open	
9/18/2023	55	28.98	736.092	F	0.04	0.03	75.6	35.8	28.9	0.7	34.5	16.9	6.0502	15.5	Valve Open	
10/4/2023	65	28.79	731.266	F	-0.01	-0.03	66.4	0	0.2	21.2	78.6	9.2	0	8.2	Valve Open	
11/29/2023	40	28.74	729.996	S	-0.13	-0.17	44.8	6	7.5	16.2	70.3	9.1	0.546	8	Valve Open	
12/15/2023	38	29.24	742.696	F	0.02	0	40.2	13.6	10.2	13.5	62.7	-	-	-	Valve Closed	

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 8 (DNR # 708)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			17.90	0.40	60.00	33.50	24.70	0.30	41.50	5	1.675		
2/17/2012	40	29.97 S			-17.1	0.4	60	29.2	24.5	0.2	46.1	4	1.2		VALVE CLOSED
3/27/2012	68	28.54 R			2.50	1.50	59.20	28.80	28.90	1.00	41.80				
4/18/2012	60	28.75			-12.5	0	66	52.2	31.7	0.6	15.5	3	1.6		VALVE CLOSED
5/29/2012	60	28.66S			0	0	65	46.7	27.4	4.9	21				VALVE CLOSED
6/25/2012	77	28.98S			0	0	78	54.1	30.4	2.9	12.6	0			VALVE CLOSED
7/18/2012	74	28.76S			-9.6	0	71	53.6	31.9	2.6	11.9	9	4.8		Opened valve 3 turns
8/7/2012	85	28.86S			-7.8	-7.7	71	18.3	26	1.6	54.1	2	0.4	15	Valve Open
9/10/2012	69	28.89F			-3.4	-3.3	71	18.2	25.8	1.1	54.9	5	0.9		Valve Open
10/1/2012	62	28.77S			-6.5	-6.5	62	14.1	24.7	1.6	59.6	7	1.0		
10/22/2012	60	28.76R						45.5	34.4	0.3	19.8				Blower Off
10/31/2012	40	30.00F						47.3	32.1	0.3	20.3				Blower Off
11/13/2012	36	30.15F						7.8	18	2.5	71.7				Blower Off
12/19/2012	28	29.99S						0.5	0.7	21	77.8				Blower Off
1/15/2013	22	29.00S						38.4	30.3	2.1	29.2				Blower Off
2/12/2013	26	29.90F						23	19.5	5.9	51.6				Blower Off
3/28/2013	32	30.34S						59.7	34.4	1.3	4.8				Blower Off
4/29/2013	55	28.60F						27.2	11.8	8.7	52.3				Blower Off
5/13/2013	50	28.81S						63.2	35.6	0	1.2				Blower Off
6/18/2013	65	28.93S			-1.3	-1.2	62	39.5	29.7	2.1	28.7				Valve Open
7/17/2013	90	29.09S			-3.9	-3.8	70	21.5	23.1	3.4	52	13	2.8		Valve Open
8/13/2013	70	29.02S			-1.5	-1.6	71	21.2	19.3	6.6	52.9	32	6.8	24	Valve Open
9/11/2013	82	28.86S			-1.5	-1.5	76	5.8	4.8	16.1	73.3	17	1.0	26	Valve Open
10/8/2013	64	28.73F			-1.7	-1.7	61	14.4	14.2	10.1	61.3				Valve Open
11/19/2013	26	29.01F			-1.5	-1.5	47	0	0	21.1	78.9	10	0.0	9	Valve Open
12/18/2013	26	28.62F			-0.1	-0.1	33	43.9	33.6	0.1	22.4	28	12.292	26	Valve Open
1/15/2014	3	28.92F			-4.1	-4	44	0	0.2	22.5	77.3	29	0		Valve Open
2/18/2014	33	28.42S			-3.1	-3.5	37	0.1	0.1	21.3	78.5	44	0.044	85	Valve Open
3/11/2014	37	28.69R			-3.4	-3.4	43	0	0.1	21.7	78.2	11	0	34	Valve Open
4/22/2014	45	28.96S			-4.1	-4.3	52	0.3	0	21.9	77.8	35	0.105	30	Valve Open
5/14/2014	46	29.10S			-0.3	-0.4	56	10.9	9	14.7	65.4	26	2.834	26	Valve Open
6/16/2014	82	28.77S			0	0	91	60.2	30.7	0.4	8.7	41	24.682	41	Valve Open
7/15/2014	61	29.94F			-0.2	-0.2	68	58.3	30.9	1.8	9	33	19.239	33	Valve Open
8/5/2014	67	29.07S			-0.1	-0.1	85	61.3	31.3	1.4	6	36	22.068	36	Valve Open
9/19/2014	64	28.75F			0.1	0.1	69	41.8	30.3	0.4	27.5				Valve Open
10/9/2014	55	30.19S			-0.2	-0.1	57	28.3	15.3	12.8	43.6	10	2.83	2	Valve Open
11/25/2014	22	28.91R			-0.9	-0.8	32	0	0.1	22.8	77.1				Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 8 (DNR # 708)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
12/18/2014	22	29.16S			0	0	29	54	35.7	0.4	9.9				Valve Open
1/19/2015	29	28.79F			0.2	0.1	31	45.3	33.1	0.1	21.5				Valve Open
3/20/2015	40	28.88S			0	0	42	55.9	33	0.7	10.4	21	11.739	21	Valve Open
4/7/2015	37	29.03S			0	0	41	63.8	34.9	0.2	1.1	26	16.588	26	Valve Open
5/5/2015	67	29.06S			0	0	77	51.5	28.6	2.2	17.7	26	13.39	27	Valve Open
6/16/2015	70	29.08S			-4.3	-4.7	63	0.2	0	21.3	78.5				Valve Open
7/15/2015	70	30.05S			-1.3	-1.3	86	0	0	19.7	80.3	45	0	45	Valve Open
8/4/2015	75	28.89S			-7.5	-6.9	68	15.6	23.3	1.1	60	56	8.736	45	Valve Open
9/16/2015	80	28.75F			-5.1	-5.6	71	14.2	22.4	1	62.4	52	7.384	60	Valve Open
10/15/2015	54	28.90R			-4.6	-4.2	59	14.3	24	1.1	60.6	37	5.291	6	Valve Open
11/6/2015	42	29.99R			-5.4	-5.3	55	13.7	24.3	1.1	60.9	22	3.014	32	Valve Open
12/21/2015	36	28.70S			-4.5	-3.7	47	13.1	23	2.7	61.2				Valve Open
1/7/2016	32	29.98F			-3.7	-3.6	45	12.2	21.3	3	63.5			8	Valve Open
2/1/2016	26	28.87R			-4.2	-4.1	44	15.6	23.9	1.7	58.8				Valve Open
3/17/2016	40	28.69S			-7.7	-1.7	42	22.5	23.5	3.6	50.4	25	5.625	26	Valve Open
4/4/2016	33	29.23R			-1.2	-1.2	41	14.2	19.6	2.8	63.4	37	5.254	36	Valve Open
5/12/2016	46	28.89S			-7.8	-2.4	54	26.2	25.9	0.9	47	40	10.48	40	Valve Open
6/15/2016	70	28.65	727.71	F	-1.1	-1.2	72	6.4	7.3	15.4	70.9	37	2.368	38	Valve Open
7/21/2016	86	28.89	733.81	F	-8.4	-0.4	100	33.6	26.4	0.8	39.2	29	9.744	29	Valve Open
8/9/2016	82	28.84	732.54	S	-1.6	-1.7	78	30	24.8	1.4	43.8	23	6.9	26	Valve Open
9/20/2016	73	29.05	737.87	R	-1.8	-2.1	74	34.7	25.1	1.3	38.9	23	7.981	27	Valve Open
11/9/2016	58	29.15	740.41	F	-3	-3.1	58	28.3	28.4	1.1	42.2	17	4.811	17	Valve Open
12/1/2016	33	28.78	731.01	R	-4.7	-4.5	51	21.6	28.3	1.8	48.3				Valve Open
1/3/2017	15	29.93	760.22	R	0.4	0.4	-	41.8	31.3	1.8	25.1				Valve Open
2/13/2017	44	28.8	731.52	F	0.3	0.3	58	61.5	34.6	0	3.9				Valve Open
3/28/2017	38	29	736.60	S	-1.7	-1.7	47	31.7	30.7	0.9	36.7			27	Valve Open
4/11/2017	34	30.25	768.35	S	-1.2	-1.5	46	26.2	30.2	1	42.6				Valve Open
5/8/2017	60	28.85	732.79	F	0.1	0.1	71	35.7	29.8	0.4	34.1	15	5.355	15	Valve Open
6/5/2017	77	30	762	S	-1.6	-1.4	70	31.7	25.9	0.9	41.5	17	5.389	20	Valve Open
7/21/2017	75	29.91	759.71	F	-1.2	-3.8	70	33	29.9	0.7	36.4	10	3.3	9	Valve Open
8/15/2017	65	30.01	762.25	S	-1.3	-5.2	67	30.6	28	0.8	40.6	23	7.038	24	Valve Open
9/6/2017	60	30.14	765.56	S	0	-3.2	63	29.3	29.1	0.8	40.8				Valve Open
10/9/2017	48	28.95	735.33	S	1.4	1.4	59	33.3	26	4	36.7				Valve Open
11/2/2017	36	29.88	758.95	R	3.7	3.7	40	6.9	4.9	17.9	70.3				Valve Open
12/1/2017	40	30.03	762.76	F	-1.5	-1.5	48	26	30.2	1.5	42.3				Valve Open
*1/8/2018	26	29.97	761.238	R	-0.1	-0.1	38	37.8	27	6	29.2	94	35.532	91	Valve Open
2/15/2018	32	28.7	728.98	R	0	0	39	25.3	16.6	10.9	47.2				Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 8 (DNR # 708)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
3/14/2018	25	28.89	733.806	S	0.1	0.1	49	62.4	35.4	0.1	2.1				Valve Open
4/12/2018	38	29.73	755.142	S	0	0	45	49.4	28.7	4.6	17.3				Valve Open
5/10/2018	48	30.07	763.778	S	0	-4.7	61	40.5	24.6	6.3	28.6				Valve Open
*6/19/2018	59	28.98	736.092	S	0	0	64	58.6	34	0.1	7.3				Valve Open
7/10/2018	84	29.17	740.918	S	0	0	78	48.3	29	3.9	18.8				Valve Open
8/14/2018	67	29.98	761.492	S	0.1	-2.2	93	62.8	34.2	0.7	2.3	7	4.396	7	Valve Open
*9/24/2018	60	29.95	760.73	S	0.5	-1.9	78	57.1	27.2	0.3	15.4	16	9.136	17	Valve Open
*10/15/2018	34	30.2	767.08	S	0	0	42	44.8	27.6	2	25.6				Valve Open
11/20/2018	19	30.1	764.54	F	0.2	0.2	30	63.1	36.5	0.3	0.1	6	3.786	6	Valve Open
12/28/2018	22	28.86	733.04	S	-0.9	-0.9	22	13.3	8.7	17	61	21	2.79	19	Valve Open
*1/7/2019	37	29.51	749.55	S	-0.6	-0.6	39	44.8	29.3	1.2	24.7	27	12.10	27	Valve Open
2/13/2019	13	29.98	761.49	S	0	0	22	46.7	33.5	0.4	19.4				Valve Open
3/20/2019	35	29.89	759.21	S	-0.1	-0.1	40	53.2	31.3	0.1	15.4	21	11.17	9	Valve Open
4/8/2019	60	29.74	755.40	F	0.2	0.2	67	66.5	32.4	0.3	0.8	26	17.29	26	Valve Open
5/14/2019	61	29.95	760.73	S	-0.4	-0.4	77	0.6	0.5	19.5	79.4	53	0.32	53	Valve Closed
6/18/2019	70	29.99	761.75	S	-1.7	-0.8	77	28.6	15.3	11.2	44.9	56	16.02	55	Valve Open
7/24/2019	71	30.2	767.08	F	-1.8	-1.8	84	18	15.8	5.8	60.4	54	9.72	54	Valve Open
8/14/2019	70	30.08	764.03	S	-4.3	-4.2	69	16.9	12.6	12.1	58.4	53	8.96	52	Valve Open
9/20/2019	67	30.08	764.03	S	-0.7	-2.1	79	1.8	7.1	10	81.1	54	0.97	53	Valve Closed
10/18/2019	52	29.79	756.67	S	-2.2	-1.2	61	0.2	0.6	19.9	79.3	49	0.10	49	Valve Closed
11/22/2019	25	29.33	744.98	S	-5	-3.1	-	0.1	0.1	21.6	78.2	52	0.05	46	Valve Closed
12/4/2019	31	28.87	733.30	R	-0.5	-0.5	-	0.1	0.2	20.5	79.2	46	0.05	46	Valve Closed
1/7/2020	23	30	762.00	R	-0.7	-0.6	-	5.1	4.7	18.3	71.9	48	2.45	48	Valve Closed
2/25/2020	45	29.42	747.27	R	0	0	-	36.8	26.3	3.9	33	0	0.00	0	Valve Open
3/17/2020	40	30.27	768.86	R	0	0	41	34.1	22.3	5.3	38.3	0	0.00	0	Valve Open
4/21/2020	40	30.02	762.51	R	0	-0.1	44	0.1	0.4	21.9	77.6	0	0.00	0	Valve Closed
5/29/2020	77	29.91	759.71	F	-0.1	-0.1	-	27	16.8	11.3	44.9	0	0.00	0	Valve Open
6/5/2020	70	31.15	791.21	S	0	0	-	23.4	15.2	12.1	49.3	9	2.11	10	Valve Open
7/28/2020	72	29.92	759.968	S	-0.5	-0.3	88	0.5	4.8	12.5	82.2	11	0.06	12	Valve Closed
8/11/2020	73	30.01	762.254	S	-0.4	-0.1	91	0.1	0	20.3	79.6	23	0.02	91	Valve Closed
9/29/2020	54	29	736.6	S	-0.3	-0.2	67	0.2	0.5	20.3	79	28	0.06	28	Valve Closed
10/6/2020	56	29.84	757.936	F	0	0	74	0.2	0.2	20.5	79.1	16	0.03	16	Valve Closed
11/5/2020	35	29.05	737.87	S	0	0	71	0.1	0	21.3	78.6	0	0.00	0	Valve Closed
12/10/2020	40	29.94	760.476	S	-2	-0.9	54	0.7	0.5	21	77.8	0	0.00	0	Valve Closed
1/18/2021	21	29.9	759.46	R	-1.1	-0.8	30	0.1	0.1	22.7	77.1	0	0.00	0	Valve Closed
2/2/2021	20	30.32	770.128	F	-0.7	-0.5	23	0	0.2	22.4	77.4	0	0.00	0	Valve Closed
3/19/2021	57	30.5	774.7	R	-0.5	-0.1	46	0.1	0.4	20.7	78.6	0	0.00	0	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 8 (DNR # 708)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
4/13/2021	35	28.94	735.08	R	0	0	37	30.2	18	7.3	44.5	0	0.00	0	Valve Open
5/19/2021	65	30.01	762.25	R	0	0	73	54.9	29.7	0.5	14.9	0	0.00	0	Valve Open
6/16/2021	80	30.03	762.762	R	0.1	0.1	88	53.1	30	0.3	16.6	11	5.84	11	Valve Open
7/8/2021	85	29.98	761.492	R	0	-0.071	72	63.7	31.5	0.5	4.3				Valve Open
8/10/2021	69	28.72	729.488	R	-0.5	0.018	77	59.4	31.5	1.4	7.7	8	4.75	8	Valve Open
9/13/2021	67	29.97	761.238	R	-0.5	-0.5	73	60	32.7	0	7.3	5	3	5	Valve Open
10/8/2021	63	29.9	759.46	R	-0.7	0.01	62	12.9	6.7	16.4	64	6	0.774	6	Valve Open
11/9/2021	42	30.14	765.556	R	-0.6	-0.072	60	63.6	33.9	0.1	2.4	0	0	0	Valve Open
12/2/2021	41	29.89	759.206	R	0	-0.057	49	1.3	1.1	20.3	77.3	0	0	0	Valve Open
1/31/2022	17	29.76	755.904	R	0.03	0.002	30.4	0.1	0.5	21.8	77.6	2.5	0	3	Valve Closed
2/25/2022	5	30.36	771.144	R	-0.05	-0.23	29.9	0	0.6	22.7	76.7	<<>>		33.6	Valve Closed
3/9/2022	16	29.96	760.984	R	0	-0.81	25.8	0	0.9	21.8	77.3	41.7	0	44.7	Valve Closed
4/4/2022	33	29.87	758.698	R	0	NA	35.7	0	0.1	22.6	77.3	<<>>		<<>>	Valve Closed
5/26/2022	46	28.83	732.282	R	0	NA	>>>>	0	0.1	21.3	78.6	2.8	0	17.6	Valve Open
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	0	0	21.4	78.6	31	0	32.9	Valve Closed
7/28/2022	62	28.9	734.06	R	-0.01	-0.02	72	10.6	7.1	14.2	68.1	0	0	0	Valve Closed
8/8/2022	56	29.07	738.378	R	NA	0.02	>>>>	15.2	10.5	12.3	62	4.1	0.6232	3.5	Valve Closed
9/7/2022	73	29.13	739.902	R	0.1	0.068	NA	32.5	21.7	2.8	43	11.9	3.8675	12	Valve Closed
10/10/2022	61	29.05	737.87	R	0.01	0.028	78.1	51.9	28.5	0.5	19.1	9.7	5.0343	10.6	Valve Open
11/22/2022	30	29.04	737.616	R	-0.49	0.188	44.2	0	0.1	22.2	77.7	34.4	0	27.7	Valve Closed
12/29/2022	37	28.58	725.932	R	0.04	-0.002	43.3	11.4	8.2	14.2	66.2	N/A	0	N/A	Valve Open
1/18/2023	32	28.99	736.346	F	-0.07	-0.002	35.7	0	0.4	22.8	76.8	N/A	0	N/A	Valve Closed
2/21/2023	6	28.75	730.25	R	0.03	-0.169	22	0	0.1	23.1	76.8	N/A	0	N/A	Valve Closed
3/6/2023	32	28.99	736.346	F	-0.03	0.171	43.8	0.1	2.3	19.2	78.4	N/A	0	N/A	Valve Closed
4/3/2023	38	29.05	737.87	S	0	-0.017	49.1	18.5	11.7	11.3	58.5	<<>>		<<>>	Valve Open
5/22/2023	71	29.17	740.918	F	-0.01	-0.001	84	20.4	22.2	3.1	54.3	<<>>		<<>>	Valve Open
5/31/2023	81	28.86	733.044	R	0.07	0.07	91.9	0.6	4.2	17.6	77.6	4.2	0.0252	5.8	Valve Closed
7/27/2023	90	28.82	732.028	R	0.03	0.037	96.7	50.5	25.8	2.7	21	11.3	5.7065	12	Valve Open
8/8/2023	80	28.91	734.314	R	0	-0.01	84.4	62.9	30.2	0.3	6.59	7.7	4.8433	7.4	Valve Closed
9/18/2023	55	28.98	736.092	F	0.05	0.04	82.2	61.3	30.6	0.2	7.9	13.2	8.0916	13	Valve Closed
10/4/2023	65	28.79	731.266	F	0.04	0.03	67.8	43.7	26.2	4.3	25.79	8.7	3.8019	8.5	Valve Open
11/29/2023	40	28.74	729.996	S	-0.02	0	56.7	42.9	29.9	0.8	26.4	-	-	-	Valve Open
12/15/2023	38	29.24	742.696	F	0.06	0.05	40.3	1.1	1.1	22.1	75.7	18.9	0.2079	-	Valve Open

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 9 (DNR # 709)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-16.50	6.00	45.00	37.30	19.20	4.60	38.90	7	2.611		
2/17/2012	40	29.97 S			-16.1	5.8	43	34.2	21.1	4.1	40.6	8	2.736		
3/27/2012	68	28.54 R			-15.00	2.20	68.00	68.40	28.50	0.00	3.70	6	4.104		
4/18/2012	60	28.75			-11.2	0	59	52.7	29.6	0.5	17.2	7	3.689		Valve Open
5/29/2012	60	28.66S			-10.1	-6	61	52.8	29.3	0.5	17.4	18	9.504		Valve Open
6/25/2012	77	28.98S			0	-3.6	77	37.8	18.4	8.3	35.5	0	0		Valve Closed
7/18/2012	74	28.76S			-5.1	-4.7	71	36.4	17.7	8.2	37.7	16	5.824		Valve Open
8/7/2012	85	28.86S			-8.2	-3	91	4.5	2.3	18.8	74.4	0	0	5	Valve Open
9/10/2012	69	28.89F			-3.3	-1.1	82	10.3	4.6	17.5	67.6	4	0.412		Valve Open
10/1/2012	62	28.77S			-6.2	-2	67	4.7	3.2	19.3	72.8	3	0.141		
10/22/2012	60	28.76R						50.4	34.3	3	12.3				Blower Off
10/31/2012	40	30.00F						44.3	30	0.3	25.4				Blower Off
11/13/2012	36	30.15F						16.3	16.1	6.8	60.8				Blower Off
12/19/2012	28	29.99S						58.3	27.9	3.4	10.4				Blower Off
1/2/2013	14	29.95S						61.6	31.9	0.3	6.2				Blower Off
1/15/2013	22	29.00S						39.8	30.7	0.3	29.2				Blower Off
2/8/2013	16	30.36S						50.6	32.9	3.7	12.8				Blower Off
2/12/2013	26	29.90F						18.3	18.6	2.4	60.7				Blower Off
3/28/2013	32	30.34S						45.9	24.4	4	25.7				Blower Off
4/29/2013	55	28.60F						69.7	28.9	1.3	0.1				Blower Off
5/13/2013	50	28.81S						69.4	30.5	0	0.1				Blower Off
6/18/2013	65	28.93S			-2.9	-2.8	74	11.8	4.8	17	66.4	15	1.77	16	Valve Open
7/17/2013	90	29.09S			-4.6	-4.6	89	12.1	4.9	16.3	66.7				Valve Open
8/13/2013	70	29.02S			-3	-2.7	81	10.6	4.4	17.2	67.8	22	2.332	15	Valve Open
9/11/2013	82	28.86S			-2.3	-2.1	90	9.3	4.1	17.4	69.2	25	2.325	27	Valve Open
10/8/2013	64	28.73F			-1.7	-1.7	65	10.7	4.9	17.1	67.3				Valve Open
11/19/2013	26	29.01F			-1.6	-1.7	37	10.3	4.9	18.1	66.7	13	1.339	14	Valve Open
12/18/2013	26	28.62F			-0.1	-0.1	40	48.6	32.2	0.1	19.1	20	9.72	19	Valve Open
1/15/2014	3	28.92F			-5	-4.4	25	11.6	6.9	18.5	63	47	5.452	20	Valve Open
2/18/2014	33	28.42S			-6	-5.8	42	10.6	5.6	17.8	66	48	5.088	36	Valve Open
3/11/2014	37	28.69R			-5	-5.1	40	11.9	6.8	18.5	62.8	39	4.641	33	Valve Open
4/22/2014	45	28.96S			-6.5	-6.6	50	9.1	4	19.5	67.4	35	3.185	29	Valve Open
5/14/2014	46	29.10S			-0.2	-0.2	64	70.5	29.2	0.1	0.2	28	19.74	28	Valve Open
6/16/2014	82	28.77S			-0.1	-0.1	90	72	27.5	0.4	0.1	43	30.96	43	Valve Open
7/15/2014	61	29.94F			-0.2	-0.2	69	71.1	28.8	0	0.1	35	24.885	35	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 9 (DNR # 709)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
8/5/2014	67	29.07S			-0.1	-0.1	88	71.6	28.2	0	0.2	37	26.492	37	Valve Open
9/19/2014	64	28.75F			0	0	68	70.7	29.2	0	0.1				Valve Open
10/9/2014	55	30.19S			0	0	67	72.3	26.8	0.8	0.1	13	9.399	13	Valve Open
11/25/2014	22	28.91R			0	0	31	67.7	28.5	1.6	2.2	55	37.235	55	Valve Open
12/18/2014	22	29.16S			0.2	0.3	24	69.4	30.4	0	0.2				Valve Open
1/19/2015	29	28.79F			0.1	0.1	31	68.8	31	0	0.2	38	26.144	38	Valve Open
3/20/2015	40	28.88S			0	0	44	69.1	30.8	0	0.1	22	15.202	22	Valve Open
4/7/2015	37	29.03S			0	0	40	69.5	30.4	0	0.1				Valve Open
5/5/2015	67	29.06S			-3.9	-3.6	68	27.4	12	13.3	47.3	27	7.398		Valve Open
6/16/2015	70	29.08S			-1.1	-1.1	79	49.9	19.3	5.6	25.2	53	26.447	53	Valve Open
7/15/2015	70	30.05S			-1.1	-1.1	79	64.3	26.1	2.1	7.5	51	32.793	51	Valve Open
8/4/2015	75	28.89S			-0.4	-0.4	93	72.2	27.5	0.1	0.2	57	41.154	56	Valve Open
9/16/2015	80	28.75F			-0.5	-0.4	88	71.3	28.4	0.1	0.2	54	38.502	54	Valve Open
10/15/2015	54	28.90R			0.2	0.3	63	70	29.6	0.3	0.1	14	9.8	15	Valve Open
11/6/2015	42	29.99R			-1	-0.7	52	69.2	27.9	2.5	0.4	30	20.76	30	Valve Open
12/21/2016	36	28.70S			-0.9	1	32	68.1	31.6	0.1	0.2				Valve Open
1/7/2016	32	29.98F			-0.7	0.6	33	69.3	30.5	0	0.2	6	4.158	2	Valve Open
2/1/2016	26	28.87R			0.5	0.5	45	69	30.3	0.5	0.2	16	11.04	16	Valve Open
3/17/2016	40	28.69S			-7.7	-8.4	40	26.8	14.4	13.4	45.4				Valve Open
4/4/2016	33	29.23R			-7.7	-7.8	41	31.9	17.1	9.4	41.6	43	13.717	37	Valve Open
5/12/2016	46	28.89S			-7.8	-8.1	56	30.5	16.3	10.5	42.7	39	11.895	39	Valve Open
6/15/2016	70	28.64	727.46	F	-0.6	-0.2	73	32.9	16.8	8.8	41.5	3	0.987	3	Valve Open
7/21/2016	86	28.89	733.81	F	-7.3	-7.2	91	38.6	18.7	7.4	35.3	30	11.58	30	Valve Open
8/9/2016	82	28.84	732.54	S	-7.3	-7.9	87	38.4	19.1	7.4	35.1	25	9.6	25	Valve Open
9/20/2016	73	29.07	738.38	R	-6.5	-7.3	78	32	14	10.8	43.2	24	7.68	30	Valve Open
11/9/2016	58	29.14	740.16	F	0.3	0.2	64	70.5	29.4	0	0.1	18	12.69	18	Valve Open
12/1/2016	33	28.77	730.76	R	0.1	0	36	67.8	31.9	0.1	0.2				Valve Open
1/16/2017	23	28.96	735.58	R	-18.1	0.01	-	70.1	28.9	0.8	0.2				Valve Open
2/13/2017	44	28.8	731.52	F	0.1	0	52	70.5	29.4	0	0.1				Valve Open
3/28/2017	38	28.99	736.35	S	-7.7	-7.7	66	33.5	14.9	9.9	41.7	23	7.705	17	Valve Open
4/11/2017	34	30.25	768.35	S	-7.4	-7.8	46	25.8	14	11.6	48.6	14	3.612		Valve Open
5/8/2017	60	28.85	732.79	F	0	0	74	70.9	28.8	0.2	0.1	17	12.053	18	Valve Open
6/5/2017	77	30	762.00	S	-7.5	-7.4	73	31.7	24.7	1.1	42.5	17	5.389	20	Valve Open
7/21/2017	75	29.91	759.71	F	-7.3	-7.2	73	29.6	14.5	10.8	45.1	18	5.328	8	Valve Open
8/15/2017	65	30.01	762.25	S	-6.9	-7.2	77	37.4	17.7	8.5	36.4	26	9.724	25	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 9 (DNR # 709)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
9/6/2017	60	30.14	765.56	S	-5.9	-7.7	72	33.4	16.7	9.6	40.3				Valve Open
10/9/2017	48	28.95	735.33	S	1.4	1.4	-	68.9	30.8	0.2	0.1				Valve Open
11/2/2017	36	29.88	758.95	R	-2.7	-3.4	39	49.7	26.2	5	19.1				Valve Open
12/1/2017	40	30.03	762.762	F	-3.1	-3.1	44	61.9	30	2.1	6	2	1.238	17	Valve Open
*1/8/2018	26	29.97	761.238	R	0.1	0	35	67.5	32.1	0.3	0.1				Valve Open
2/15/2018	32	28.7	728.98	R	0	0	38	68.4	31.2	0.2	0.2				Valve Open
3/14/2018	25	28.89	733.806	S	0	0	50	69.9	29.8	0.1	0.2				Valve Open
4/12/2018	38	29.73	755.142	S	0	0	44	68.1	31.1	0.6	0.2				Valve Open
5/10/2018	48	30.07	763.778	S	0.1	0	62	70.3	29.4	0.2	0.1				Valve Open
*6/19/2018	59	28.98	736.092	S	0.2	0	62	70.5	29.3	0.1	0.1				Valve Open
7/10/2018	84	29.17	740.918	S	0	0	79	70.4	27.9	0.9	0.8				Valve Open
8/14/2018	67	29.98	761.49	S	0.1	-3.8	84	71.6	27.9	0.4	0.1				Valve Open
*9/24/2018	60	29.95	760.73	S	0.4	-1.2	79	70.9	28.6	0.3	0.2	15	10.635	15	Valve Open
*10/15/2018	34	30.2	767.08	S	0.2	0.1	49	69.4	30.3	0.2	0.1				Valve Open
11/20/2018	19	30.1	764.54	F	0.1	0.1	28	69.3	30.3	0.2	0.2				Valve Open
12/28/2018	22	28.86	733.04	S	-0.8	-0.9	22	66.6	32.7	0.6	0.1	46	30.64	37	Valve Open
*1/7/2019	37	29.51	749.55	S	-0.8	-4.9	38	67.6	31.6	0.6	0.2	28	18.93	28	Valve Open
2/13/2019	13	29.98	761.49	S	Valves Frozen										Valve Open
3/20/2019	35	29.89	759.21	S	0.0	0.0	38	69.90	29.8	0.2	0.1	9	6.29	8	Valve Open
4/8/2019	60	29.74	755.40	F	0.0	0.2	66	71.10	28.5	0.2	0.2	27	19.20	27	Valve Open
5/14/2019	61	29.95	760.73	S	-0.2	-0.3	77	71.70	28.0	0.2	0.1	58	41.59	58	Valve Open
6/18/2019	70	29.99	761.75	S	-7.3	-9.7	75	0.30	0.0	20.6	79.1	55	0.17	54	Valve Closed
7/24/2019	71	30.2	767.08	F	-9.2	-10.3	92	14.90	5.9	15.4	63.8	53	7.90	53	Valve Open
8/14/2019	70	30.08	764.03	S	-10.6	-11.1	75	8.70	3.7	17.8	69.8	57	4.96	52	Valve Open
9/20/2019	67	30.08	764.03	S	-7.8	-7.8	77	18.70	7.3	15.1	58.9	54	10.10	52	Valve Open
10/18/2019	52	29.79	756.67	S	-3.2	-7.8	55	2.50	1.3	19.8	76.4	49	1.23	49	Valve Closed
11/22/2019	25	29.33	744.98	S	-4.4	-4.6	-	0.10	0.1	21.4	78.4	46	0.05	46	Valve Closed
12/4/2019	31	28.87	733.30	R	-0.5	-0.5	-	69.30	30.4	0.2	0.1	50	34.65	50	Valve Open
1/7/2020	23	30	762.00	R	-0.5	-0.5	-	1.00	0.6	21.6	76.8	49	0.49	47	Valve Closed
2/25/2020	45	29.42	747.27	R	0.0	0.0	-	70.10	29.6	0.2	0.1	0	0.00	0	Valve Open
3/17/2020	40	30.27	768.86	R	0.0	0.0	44	70.40	29.3	0.1	0.2	0	0.00	0	Valve Open
4/21/2020	40	30.02	762.51	R	0.0	0.0	44	70.50	29.1	0.2	0.2	0	0.00	0	Valve Open
5/29/2020	77	29.91	759.71	F	0.1	0.1	-	71.00	28.7	0.2	0.1	0	0.00	0	Valve Open
6/5/2020	70	31.15	791.21	S	0.1	0.1	-	71.90	27.6	0.3	0.2	0	0.00	0	Valve Open
7/28/2020	72	29.92	759.968	S	-4.8	-6.4	90	0.20	0.0	20.6	79.2	22	0.04	23	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 9 (DNR # 709)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
8/11/2020	73	30.01	762.254	S	-4.8	-4.6	92	1.20	0.3	20.3	78.2	30	0.36	94	Valve Closed
9/29/2020	54	29	736.6	S	-2.9	-2.8	69	0.10	0.0	21.0	78.9	28	0.03	28	Valve Closed
10/6/2020	56	29.84	757.936	F	-4.9	-1.5	77	23.90	9.3	13.8	53.0	18	4.30	17	Valve Open
11/5/2020	35	29.05	737.87	S	-3.0	-5.6	69	0.10	0.0	21.0	78.9	5	0.01	1	Valve Closed
12/10/2020	40	29.94	760.476	S	-5.9	-2.3	52	13.30	5.7	18.1	62.9	0	0.00	0	Valve Closed
1/18/2021	21	29.9	759.46	R	-3.8	-5.6	30	0.10	0.1	21.8	78.0	0	0.00	0	Valve Closed
2/2/2021	20	30.32	770.128	F	-3.9	-3.6	23	0.00	0.1	22.5	77.4	0	0.00	0	Valve Closed
3/19/2021	57	30.5	774.7	R	-4.0	-2.3	54	0.00	0.0	21.3	78.7	0	0.00	109	Valve Closed
4/13/2021	35	28.94	735.08	R	0.0	0.0	37	70.40	29.3	0.1	0.2	0	0.00	0	Valve Open
5/19/2021	65	30.01	762.25	R	0.1	0.0	72	71.60	28.0	0.3	0.1	0	0.00	0	Valve Open
6/16/2021	80	30.03	762.762	R	0.2	0.2	87	73.20	26.6	0.1	0.1	25	18.30	25	Valve Open
7/8/2021	85	29.98	761.492	R	0.0	-0.1	73	72.10	27.7	0.1	0.1				Valve Open
8/10/2021	69	28.72	729.488	R	-0.6	0.0	77	71.90	27.9	0.1	0.1	6	4.31	8	Valve Open
9/13/2021	67	29.97	761.238	R	-0.6	-1.3	76	72	27.6	0.3	0.1	10	7.20	12	Valve Open
10/8/2021	63	29.9	759.46	R	-0.7	-0.038	62	14.4	5.8	16.2	63.6	<<>>		<<>>	Valve Open
11/9/2021	42	30.14	765.556	R	-0.7	-0.057	60	70.7	29	0.1	0.2	5	3.54	0	Valve Open
12/2/2021	41	29.89	759.206	R	0	-0.059	51	70.1	29.5	0.2	0.2	0	0.00	0	Valve Open
1/31/2022	17	29.76	755.904	R	-1.85	0.011	30.1	47	21.5	6.9	24.6	10.3	0	6.8	Valve Open
2/25/2022	5	30.36	771.144	R	-4.5	-1.4	25.1	0.5	0.4	22.6	76.5	157.3	0	163	Valve Closed
3/9/2022	16	29.96	760.984	R	0	-5.74	29.5	32	15.1	11.8	41.1	72.4	0	168.1	Valve Open
4/4/2022	33	29.87	758.698	R		NA	35.9	1	0.7	21.6	76.7	104.1	1.041	98	Valve Open
5/26/2022	46	28.83	732.282	R	0	NA	>>>>	30	14.1	9.7	46.2	28.7	8.61	71.1	Valve Open
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	22.9	9.9	13.3	53.9	4.3	0.9847	2.9	Valve Open
7/28/2022	62	28.9	734.06	R	-0.13	-0.18	75	19.6	8.4	15	57	0	0	0	Valve Closed
8/8/2022	56	29.07	738.378	R	NA	-0.01	>>>>	70.2	28	0.6	1.2	NA	NA	NA	Valve Closed
9/7/2022	73	29.13	739.902	R	0.13	0.086	NA	70.1	27.5	0.2	2.2	15	10.515	14.7	Valve Closed
10/10/2022	61	29.05	737.87	R	0	0.031	80.1	70.7	28.6	0.4	0.3	12.1	8.5547	11.7	Valve Open
11/22/2022	30	29.04	737.616	R	-1.87	0.012	41.2	25.9	12.8	14	47.3	8.9	2.3051	6.9	Valve Open
12/29/2022	37	28.58	725.932	R	0.12	-0.017	41.4	70.3	29.5	0.2	0	N/A	0	N/A	Valve Open
1/18/2023	32	28.99	736.346	F	0.1	-0.008	34.6	70.5	29.2	0.2	0.09	N/A	0	N/A	Valve Closed
2/21/2023	6	28.75	730.25	R	0.03	-0.035	24	0	0.1	23.4	76.5	N/A	0	N/A	Valve Closed
3/6/2023	32	28.99	736.346	F	-1.9	0.145	41.2	35.6	13.7	12.9	37.8	N/A	0	N/A	Valve Opened
4/3/2023	38	29.05	737.87	S	0.03	-0.008	51	71.2	28.5	0.3	0	<<>>		<<>>	Valve Open
5/22/2023	71	29.17	740.918	F	0.06	0.009	87.6	71.5	28.1	0.4	0	6.7	4.7905	6.2	Valve Open
5/31/2023	81	28.86	733.044	R	0.12	0.08	92.5	71.7	27.7	0.6	0	9.6	6.8832	10.2	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 9 (DNR # 709)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
7/27/2023	90	28.82	732.028	R	0.08	0.013	98.9	72.3	27.3	0.4	0	7.9	5.7117	7.5	Valve Open
8/8/2023	80	28.91	734.314	R	85	84.6	85	71.6	28	0.3	0.09	7.4	5.2984	6.7	Valve Open
9/18/2023	55	28.98	736.092	F	0.05	0.03	86.3	72.1	27.8	0.2	N/A	16.9	12.1849	15.1	Valve Open
10/4/2023	65	28.79	731.266	F	-0.01	-0.01	69.2	71.5	28.2	0.3	0	2.9	2.0735	4	Valve Open
11/29/2023	40	28.74	729.996	S	0.07	0.04	51.8	70.7	29.1	0.2	0	6.6	4.6662	6.1	Valve Open
12/15/2023	38	29.24	742.696	F	0.02	0.02	42.1	68.4	28.2	1.3	2.09	0	-	6	Valve Open

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 10 (DNR # 710)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			15.50	0.00	48.00	42.20	26.50	0.90	30.40	1	0.422		
2/17/2012	40	29.97 S			-15.2	0.1	46	32.1	25.9	1	41	2	0.642		
3/27/2012	68	28.54 R			-13.50	0.60	58.00	29.70	24.60	2.70	43.00				
4/18/2012	60	28.75			-10.3	0.1	58	32.5	25.7	1.6	40.2	5	1.625		Valve Open
5/29/2012	60	28.65S			-7.5	-0.3	61	36.9	25.5	1.8	35.8	4	1.476		Valve Open
6/25/2012	77	28.98S			0	0	77	0.1	0	21.1	78.8	0	0		Valve Closed
7/18/2012	74	28.76S			-3.5	-0.7	70	0	0	20.6	79.4	3	0		Valve Open
8/7/2012	85	28.86S			-6.2	-0.4	88	5	3.5	17.9	73.6	1	0.05	2	Valve Open
9/10/2012	69	28.89F			-2	-1.2	69	23.3	23.4	1.4	51.9	11	2.563		Valve Open
10/1/2012	62	28.77S			-4.2	-2.5	64	17.9	23.2	1.4	57.5	18	3.222		
10/22/2012	60	28.76R						52.2	37.4	1.5	8.9				Blower Off
10/31/2012	40	30.00F						42.5	26.8	0.2	30.5				Blower Off
11/13/2012	36	30.15F						4.8	9.7	8.9	76.6				Blower Off
12/19/2012	28	29.99S						0	0	20.9	79.1				Blower Off
1/15/2013	22	29.00S						37.2	26.2	0.4	36.2				Blower Off
2/12/2013	26	29.90F						20.7	18.6	3.2	57.5				Blower Off
3/28/2013	32	30.34S						59.4	30.3	0.4	9.9				Blower Off
4/29/2013	55	28.60F						46.5	26.6	0	26.9				Blower Off
5/13/2013	50	28.81S						61.4	29.3	0	9.3				Blower Off
6/18/2013	65	28.93S			0	0	80	27.5	22.7	0.3	49.5				Valve Open
7/17/2013	90	29.09S			-2	-1.3	75	36.6	25.5	1.2	36.7	14	5.124	18	Valve Open
8/13/2013	70	29.02S			-0.3	-0.2	72	36.9	25.4	2.2	35.5	16	5.904	26	Valve Open
9/11/2013	82	28.86S			-1	-0.6	74	34.4	26.5	1.4	37.7	29	9.976	34	Valve Open
10/8/2013	64	28.73F			-1.3	-0.8	64	27.6	26.9	0.9	44.6	7	1.932	10	Valve Open
11/19/2013	26	29.01F			-1.2	-0.7	56	27.5	26.2	1.2	45.1	5	1.375	9	Valve Open
12/18/2013	26	28.62F			0.2	0.5	32	45.4	29.3	0.1	25.2				Valve Open
1/15/2014	3	28.92F			-2	-1	51	27.6	28.2	1	43.2	18	4.968	4	Valve Open
2/18/2014	33	28.42S			-2.9	-1.6	56	26.9	25.1	1.5	46.5	17	4.573	32	Valve Open
3/11/2014	37	28.69R			-2.6	-1.7	51	18.3	23.4	1.4	56.9	24	4.392	26	Valve Open
4/22/2014	45	28.96S			-3.2	-2	55	22.8	22	1.1	54.1	31	7.068	34	Valve Open
5/14/2014	46	29.10S			-0.4	-0.4	56	0.1	0.1	21.6	78.2	24	0.024	24	Valve Open
6/16/2014	82	28.77S			0	0	90	25.9	19	0.1	55	39	10.101	39	Valve Open
7/15/2014	61	29.94F			-0.2	-0.2	74	22.4	14.7	8	54.9	32	7.168	31	Valve Open
8/5/2014	67	29.07S			-0.1	-0.1	87	21.1	18.6	2.4	57.9	35	7.385	33	Valve Open
9/19/2014	64	28.75F			0	0	66	53.2	25.9	0	20.9	4	2.128		Valve Open
10/9/2014	55	30.19S			-0.2	-0.2	66	0.1	0.1	21.8	78	11	0.011	11	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 10 (DNR # 710)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
11/25/2014	22	28.91R			-0.3	-0.3	23	0	0.1	22.9	77	44	0	43	Valve Open
12/18/2014	22	29.16S			0	0	29	35.6	23.7	2.7	38				Valve Open
1/19/2015	29	28.79F			0.1	0.1	32	47.2	26.3	0.1	26.4				Valve Open
3/20/2015	40	28.88S			0	0	45	0	0.1	22.3	77.6	19	0	19	Valve Open
4/7/2015	37	29.03S			0	0	41	0	0.1	22.8	77.1				Valve Open
5/5/2015	67	29.06S			-0.8	-0.8	64	27.4	19.6	4.2	48.8	36	9.864	27	Valve Open
6/16/2015	70	29.08S			-1.6	-1.6	81	0.2	0	21	78.8	48	0.096	48	Valve Open
7/15/2015	70	30.05S			-1.6	-1.6	85	0	0	20	80	47	0	47	Valve Open
8/4/2015	75	28.89S			-1.7	-1.7	92	0.4	0	20.5	79.1	51	0.204	51	Valve Open
9/16/2015	80	28.75F			-1.5	-1.5	88	0.2	0	20.2	79.6	47	0.094	47	Valve Open
10/15/2015	54	28.90R			0	-0.7	62	0.1	0.1	21.3	78.5	8	0.008	9	Valve Open
11/6/2015	42	29.99R			-1.8	-1.8	51	0.1	0.1	21.3	78.5	27	0.027	27	Valve Open
12/21/2015	36	28.70S			-1.6	-1.5	69	29.6	25.1	2.5	42.8	10	2.96	9	Valve Open
1/7/2016	32	29.98F			-1.2	-1.1	66	22.3	23.6	1.9	52.2	27	6.021	15	Valve Open
2/1/2016	26	28.87R			-1.5	-1.5	68	23.6	22.8	1.7	51.9	23	5.428	19	Valve Open
3/17/2016	40	28.69S			-1.7	-1.7	57	18.8	23.1	1.8	56.3				Valve Open
4/4/2016	33	29.23R			-1.7	-1.8	52	15.5	20.5	2.2	61.8	33	5.115	36	Valve Open
5/12/2016	46	28.89S			-2.2	-2.2	64	23.2	22.8	1.5	52.5	41	9.512	40	Valve Open
6/15/2016	70	28.65	727.71	F	-1.4	-1.4	68	22.6	21.1	2.5	53.8	42	9.492	39	Valve Open
7/21/2016	86	28.9	734.06	F	-1.4	-1.5	76	26.1	22.2	1.8	49.9	23	6.003	33	Valve Open
8/9/2016	82	28.84	732.54	S	-1.3	-1.2	77	28.7	22.7	1.3	47.3	27	7.749	29	Valve Open
9/20/2016	73	29.05	737.87	R	0	0	77	34.5	23.9	0.7	40.9			19	Valve Open
11/9/2016	58	29.15	740.41	F	0	-0.1	62	38.5	25	0.9	35.6	14	5.39	16	Valve Open
12/1/2016	33	28.77	730.76	R	-1.1	-1.1	51	39.5	28.8	1.1	30.6	29	11.455	29	Valve Open
1/3/2017	15	28.9	734.06	R	0.3	0.3	12	29.9	22.8	7.3	40				Valve Open
2/13/2017	44	28.8	731.52	F	0.3	0.3	50	33.5	24	0	42.5				Valve Open
3/28/2017	38	28.98	736.09	S	-1.5	-0.4	62	29.7	23.6	1.8	44.9	21	6.237		Valve Open
4/11/2017	34	30.25	768.35	S	-1.3	-1.5	56	25.9	24.3	2.4	47.4		0		Valve Open
5/8/2017	60	28.85	732.79	F	0	0	70	14.2	14.9	3.5	67.4	15	2.13	15	Valve Open
6/5/2017	77	30	762	S	-1.1	-1.1	66	3.7	7.4	12.8	76.1	23	0.851	24	Valve Closed
7/21/2017	75	29.91	759.71	F	-1.4	-1.1	66	25.7	24.2	1.4	48.7			19	Valve Open
8/15/2017	65	30.01	762.25	S	-1.3	-1.3	67	21.7	24	0.9	53.4	21	4.557	25	Valve Open
9/6/2017	60	30.14	765.56	S	0.1	-2	64	20.1	23.9	1.1	54.9				Valve Open
10/9/2017	48	28.95	735.33	S	1.3	1.3	58	1.5	2	19.4	77.1				Valve Open
11/2/2017	36	29.88	758.952	R	-1.9	-1.9	57	17.1	21.3	4.7	56.9			1	Valve Open
12/1/2017	40	30.03	762.762	F	-1.5	-1.5	57	21.1	25.4	0.6	52.9	19	4.009	14	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 10 (DNR # 710)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
*1/8/2018	26	29.97	761.238	R	-0.1	-0.1	33	44.2	30.7	2.4	22.7	51	22.542	53	Valve Open
2/15/2018	32	28.7	728.98	R	-0.2	-0.3	40	17.6	11.8	14.3	56.3				Valve Open
3/14/2018	25	28.89	733.806	S	0.1	0	46	51.3	27.9	0.1	20.7				Valve Open
4/12/2018	38	29.73	755.142	S	-0.2	-0.3	50	8.2	4.6	18.4	68.8				Valve Open
5/10/2018	48	30.07	763.778	S	-0.2	-0.2	57	18.6	10.3	14.7	56.4				Valve Open
*6/19/2018	59	28.98	736.092	S	0	0	62	39.2	20.7	4.5	35.6				Valve Open
7/10/2018	84	29.17	740.918	S	0	0	75	39.4	24.5	6.8	29.3				Valve Open
8/14/2018	67	29.98	761.492	S	0.1	-1.4	89	56.6	30.7	1.9	10.8				Valve Open
*9/24/2018	60	29.95	760.73	S	0.2	0.2	76	56.6	27.7	0.2	15.5	8	4.528	9	Valve Open
*10/15/2018	34	30.2	767.08	S	-0.3	-0.4	49	34.9	19.1	6.5	39.5	25	8.725	25	Valve Open
11/20/2018	19	30.1	764.54	F	0.4	-2.4	40	13.2	6.6	15.9	64.3	39	5.148	39	Valve Open
12/28/2018	22	28.86	733.04	S	-1.3	-1.2	22	1.4	1.7	21.3	75.6	18	0.25	18	Valve Open
*1/7/2019	37	29.51	749.55	S	-0.5	-0.5	40	47.9	25.7	2.2	24.2	27	12.93	27	Valve Open
2/13/2019	13	29.98	761.49	S	0	0	25	35.3	24.8	0.9	39	114	40.24	119	Valve Open
3/20/2019	35	29.89	759.21	S	0	-0.1	40	45.9	24.5	1.3	28.3	7	3.21	6	Valve Open
4/8/2019	60	29.74	755.40	F	0	0.2	68	43	25.9	0.3	30.8	21	9.03	21	Valve Open
5/14/2019	61	29.95	760.73	S	-1	-0.5	77	0.1	0	20.7	79.2	54	0.05	53	Valve Open
6/18/2019	70	29.99	761.75	S	-2	-2.4	70	12.5	5.9	16.1	65.5	62	7.75	60	Valve Open
7/24/2019	71	30.2	767.08	F	-3	-3.2	68	0.1	0	19.7	80.2	59	0.06	59	Valve Open
8/14/2019	70	30.08	764.03	S	-4	-3.7	67	8.1	5.8	15.4	70.7	59	4.78	59	Valve Open
9/20/2019	67	30.08	764.03	S	-3	-1.6	69	1.5	1.1	19.2	78.2	49	0.74	53	Valve Closed
10/18/2019	52	29.79	756.67	S	-1	-0.3	63	20.2	20.2	0.6	59	50	10.10	42	Valve Open
11/22/2019	25	29.33	744.98	S	-5	-2.5	-	0.1	0	21.3	78.6	51	0.05	45	Valve Closed
12/4/2019	31	28.87	733.30	R	-1	-0.8	-	0.1	0	20.7	79.2	48	0.05	47	Valve Closed
1/7/2020	23	30	762.00	R	-1	-0.7	-	2.8	4.7	17.3	75.2	46	1.29	46	Valve Closed
2/25/2020	45	29.42	747.27	R	0	0	-	24.9	19.6	1.9	53.6	0	0.00	0	Valve Open
3/17/2020	40	30.27	768.86	R	0	0	47	35.7	21.8	1.9	40.6	0	0.00	0	Valve Open
4/21/2020	40	30.02	762.51	R	0	-0.4	49	0	0	21.7	78.3	0	0.00	0	Valve Closed
5/29/2020	77	29.91	759.71	F	0	-0.5	-	0	0.1	21.4	78.5	0	0.00	0	Valve Closed
6/5/2020	70	31.15	791.21	S	0	-0.3	-	0.1	0	21.1	78.8	0	0.00	0	Valve Closed
7/28/2020	72	29.92	759.968	S	0	0.1	87	21	17.1	0.7	61.2	0	0.00	6	Valve Open
8/11/2020	73	30.01	762.254	S	-1	-1	74	15.8	7.8	14.8	61.6	0	0.00	73	Valve Open
9/29/2020	54	29	736.6	S	0	-0.4	66	14.5	8.5	15.7	61.3	28	4.06	32	Valve Opened
10/6/2020	56	29.84	757.936	F	0	0	69	2.8	11.3	7.9	78	9	0.25	13	Valve Closed
11/5/2020	35	29.05	737.87	S	0	0	71	2.2	4.4	16.2	77.2	15	0.33	14	Valve Closed
12/10/2020	40	29.94	760.476	S	-1	-0.1	53	0.6	0.5	21	77.9	0	0.00	0	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 10 (DNR # 710)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/18/2021	21	29.9	759.46	R	-1	-0.4	30	0.1	0.1	23	76.8	0	0.00	0	Valve Closed
2/2/2021	20	30.32	770.128	F	-2	-0.1	23	2	1.8	20.3	75.9	0	0.00	0	Valve Closed
3/19/2021	57	30.5	774.7	R	-2	-0.2	54	0	0	21.4	78.6	0	0.00	0	Valve Closed
4/13/2021	35	28.94	735.08	R	0	-0.2	34	0	0.1	21.7	78.2	0	0.00	0	Valve Closed
5/19/2021	65	30.01	762.25	R	0	-0.1	69	0.9	0.6	19.8	78.7	0	0.00	0	Valve Closed
6/16/2021	80	30.03	762.762	R	0	0.2	87	16.8	14.6	2.3	66.3	15	2.52	26	Valve Open
7/8/2021	85	29.98	761.492	R	0	-0.089	71	4.4	3	18.6	74				Valve Closed
8/10/2021	69	28.72	729.488	R	-1	-0.154	76	21	10.3	11.5	57.2				Valve Open
9/13/2021	67	29.97	761.238	R	-0.7	-0.5	75	41.2	21.6	0.3	36.9	9	3.71	9	Valve Open
10/8/2021	63	29.9	759.46	R	-0.7	-0.027	62	6.7	3	18.2	72.1	0	0.00	0	Valve Open
11/9/2021	42	30.14	765.556	R	0	0.183	56	34.2	19.7	1.2	44.9	8	2.74	29	Valve Open
12/2/2021	41	29.89	759.206	R	-0.1	-0.325	50	0.3	0.2	21	78.5	0	0.00	0	Valve Closed
1/31/2022	17	29.76	755.904	R	0.09	0.001	31.8	11.8	8.8	13.6	65.8	<<>>		1.9	Valve Open
2/25/2022	5	30.36	771.144	R	-0.07	0.74	32.3	5.2	4.6	19.5	70.7	87.2	0	81.3	Valve Open
3/9/2022	16	29.96	760.984	R	0	-0.97	46	48.6	25.5	1.5	24.4	32.2	0	31.8	Valve Open
4/4/2022	33	29.87	758.698	R		NA	36.6	5.2	3.7	20.4	70.7	9	0.468	10.4	Valve Open
5/11/2022	70	29.1	739.14	R	0	NA	77.4	37.2	29.5	5.5	27.8	0	0	0	Valve Open
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	17.3	10.5	12.1	60.1	23.5	4.0655	24.2	Valve Open
7/28/2022	62	28.9	734.06	R	-0.03	-0.01	74.7	0	0.1	21.1	78.8	0	0	0	Valve Closed
8/8/2022	56	29.07	738.378	R	NA	0.01	>>>>	0	0.1	21.2	78.7	NA	0	NA	Valve Closed
9/7/2022	73	29.13	739.902	R	0.04	0.066	NA	0.8	1.7	17.2	80.3	11.5	0.092	11.5	Valve Closed
10/10/2022	61	29.05	737.87	R	0.05	0.038	80.4	40.9	23.8	0.8	34.5	12.6	5.1534	12.3	Valve Open
11/22/2022	30	29.04	737.616	R	-0.4	0.321	43.8	28	14.6	12.6	44.8	41.9	11.732	37.5	Valve Open
12/29/2022	37	28.58	725.932	R	-0.03	0	42.7	0	0.5	22.7	76.8	2.9	0	1.1	Valve Closed
1/18/2023	32	28.99	736.346	F	-0.02	0.306	35.7	0	0.3	23	76.7	35.5	0	35.9	Valve Closed
2/21/2023	6	28.75	730.25	R	0	-0.236	30.7	0.1	0.5	23.4	76	N/A	0	N/A	Valve Closed
3/6/2023	32	28.99	736.346	F	-0.65	0.29	43.9	25.3	20.3	13.4	41	35.6	9.0068	22.4	Valve Opened
4/3/2023	38	29.05	737.87	S	0	-0.023	57.6	0	0.2	21.9	77.9	<<>>		<<>>	Valve Closed
5/22/2023	71	29.17	740.918	F	0	0.005	88	0.8	0.8	19.5	78.9	5.5	0.044	4	Valve Closed
5/31/2023	81	28.86	733.044	R	0.03	0.03	95.9	0	0.1	19.5	80.4	1.4	0	1	Valve Closed
7/27/2023	90	28.82	732.028	R	0	0.033	99	0.1	0.3	18.7	80.9	11.6	0.0116	10.8	Valve Closed
8/8/2023	80	28.91	734.314	R	-0.05	-0.05	83.5	4.5	3.7	16.8	75	6.4	0.288	6.3	Valve Open
9/18/2023	55	28.98	736.092	F	0.18	0.15	78.6	53.5	24.9	0.2	21.4	12	6.42	11.8	Valve Open
10/4/2023	65	28.79	731.266	F	-0.11	-0.13	66.7	14.1	8.6	16.2	61.1	7.7	1.0857	7.5	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 10 (DNR # 710)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
11/29/2023	40	28.74	729.996	S	-0.03	-0.03	48.9	43.2	24	0.3	32.5	8.1	3.4992	7.9	Valve Closed
12/15/2023	38	29.24	742.696	F	0.01	0.01	42.4	21.7	16.6	5.5	56.2	16.7	3.6239	-	Valve Open

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 11 (DNR # 711)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-13.00	0.40	40.00	29.50	23.00	0.00	47.50	8	2.36		
2/17/2012	40	29.97 S			-12.7	0.3	42	28.9	23.1	0	48	3	0.867		
3/27/2012	68	28.54 R			-11.50	0.60	42.00	29.90	26.20	0.40	43.30				
4/18/2012	60	28.75			-11	0	66	21.2	14	9.6	55.2	4	0.848		Valve Closed
5/29/2012	60	28.64S			0	-0.1	65	9.7	6.3	15.4	68.6	0			Valve Closed
6/25/2012	77	28.98S			0	0.1	86	39.3	26.7	0.4	33.6	2	0.786		Valve Closed
7/23/2012	92	28.80F			-1.8	0	98	39.5	24.9	2	33.6	3	1.185		Opened Valve 3 tur
8/7/2012	85	28.86S			-3.3	-2	67	34.7	26.3	0.3	38.7	13	4.511	22	Valve Open
9/10/2012	69	28.89F			-2.5	-1.7	65	23.6	25	0.4	51	15	3.54		Valve Open
10/1/2012	62	28.77S			-5.1	-3.3	62	19.2	25	0.3	55.5	18	3.456		
10/22/2012	60	28.76R						59	40.6	0.2	0.2				Blower Off
10/31/2012	40	30.00F						29.5	24.4	0.2	45.9				Blower Off
11/13/2012	36	30.15F						5.1	11.6	5.6	77.7				Blower Off
12/12/2012	24	29.90F						43	27.1	0.3	29.6				Blower Off
12/19/2012	28	29.99S						0	0	21	79				Blower Off
1/15/2013	22	29.00S						31.7	24.4	0.2	43.7				Blower Off
2/8/2013	16	30.36S						10	13.3	7.5	69.2				Blower Off
2/12/2013	26	29.90F						20.1	20.1	0.7	59.1				Blower Off
3/28/2013	32	30.34S						53.7	28.9	0.2	17.2				Blower Off
4/29/2013	55	28.60F						23.6	20.5	0.5	55.4				Blower Off
5/13/2013	50	28.81S						62.9	27.9	0	9.2				Blower Off
6/18/2013	65	28.93S			0	0	77	53.1	28	0	18.9				Valve Open
7/17/2013	90	29.09S			-1.7	-1	72	32.7	24.9	0.8	41.6	4	1.308	0	Valve Open
8/13/2013	70	29.02S			-0.8	-0.2	73	33.6	25.2	1.1	40.1	25	8.4	22	Valve Open
9/11/2013	82	28.86S			-1.2	-0.6	75	32	24.9	1.3	41.8	24	7.68	23	Valve Open
10/8/2013	64	28.73F			-1.5	-0.6	65	26.6	24.8	1.1	47.5	0	0	6	Valve Open
11/19/2013	26	29.01F			-1.5	-0.5	52	26.3	24.8	1.7	47.2				Valve Open
12/18/2013	26	28.62F			0.1	0.3	32	28.7	26.2	0.1	35				Valve Open
1/15/2014	3	28.92F			-2.8	-0.8	44	23.8	24.9	2.3	49			3	Valve Open
2/18/2014	33	28.42S			-4	-3.6	56	0.1	0.1	21.3	78.5	22	0.022	29	Valve Open
3/11/2014	37	28.69R			-2.9	-1.2	43	16.8	22.1	2.6	58.5	16	2.688	24	Valve Open
4/22/2014	45	28.96S			-3.4	-1.4	50	17.6	19.9	2.5	60	30	5.28	31	Valve Open
5/14/2014	46	29.10S			-0.3	-0.3	59	24.4	21.9	0.5	53.2	27	6.588	27	Valve Open
6/16/2014	82	28.77S			0.1	0.1	89	47	23.5	0.5	29	41	19.27	41	Valve Open
7/15/2014	61	29.94F			-0.2	-0.2	70	19.7	11.6	11	57.7	32	6.304	32	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 11 (DNR # 711)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
8/5/2014	67	29.07S			0	0	86	49.5	21.7	1.9	26.9	37	18.315	37	Valve Open
9/19/2014	64	28.75F			0.1	0.1	67	50	28.3	0.3	21.4	4	2	4	Valve Open
10/9/2014	55	30.19S			-0.1	-0.1	62	19.2	25	0.3	55.5	18	3.456	18	Valve Open
11/25/2014	22	28.91R			-0.2	-0.2	27	0.1	0.4	22.7	76.8				Valve Open
12/18/2014	22	29.16S			0	0	27	22	16.6	8.3	53.1				Valve Open
1/19/2015	29	28.79F			0.2	0.2	31	55.2	25.9	0.1	18.8				Valve Open
3/20/2015	40	28.88S			0	0	46	21.7	14.5	9.2	54.6	19	4.123	20	Valve Open
4/7/2015	37	29.03S			0	0	41	27.9	19.8	4.1	48.2				Valve Open
5/5/2015	67	29.06S			-1.2	-1	56	0.9	0.8	18	80.3	26	0.234	30	Valve Open
6/16/2015	70	29.08S			-1.6	-1.6	80	0.2	0	21.4	78.4	48	0.096	48	Valve Open
7/15/2015	70	30.05S			-1.7	-1.7	74	23.2	21.6	0.2	55	48	11.136	48	Valve Open
8/4/2015	75	28.89S			-1.7	-1.7	76	25.6	20.9	0.6	52.9	53	13.568	53	Valve Open
9/16/2015	80	28.75F			-1.6	-1.6	80	22.3	21.7	0.8	55.2	48	10.704	48	Valve Open
10/15/2015	54	28.90R			-0.7	-0.7	58	20.3	22.8	0.5	56.4	12	2.436	12	Valve Open
11/6/2015	42	29.99R			-1.8	-1.8	52	15.8	19.9	2.9	61.4	28	4.424	27	Valve Open
12/21/2016	36	28.70S			-0.6	-0.6	39	11.7	20.3	2.2	65.8				Valve Open
1/7/2016	32	29.98F			0.2	0.2	38	15.6	21.7	0.8	61.9	15	2.34	15	Valve Open
2/1/2016	26	28.87R			-0.1	-0.1	47	0.2	0.1	20.5	79.2	14	0.028	14	Valve Open
3/17/2016	40	28.69S			-1.7	-1.5	47	13.7	21.8	1.6	62.9				Valve Open
4/4/2016	33	29.23R			-2.1	-1.9	47	14.6	22.2	0.4	62.8	33	4.818	36	Valve Open
5/12/2016	46	28.89S			-3.4	-2.1	53	16.6	21.8	0.4	61.2	31	5.146	33	Valve Open
6/15/2016	70	28.65	727.71	F	-1.5	-1.6	61	18	21.9	0.2	59.9	43	7.74	40	Valve Open
7/21/2016	86	28.88	733.55	F	-1.1	-4.7	70	21	21.2	0.2	57.6	34	7.14	33	Valve Open
8/9/2016	82	28.84	732.54	S	-1.4	-1.4	67	22.2	21.9	0.1	55.8	26	5.772	22	Valve Open
9/20/2016	73	29.04	737.62	R	-0.4	-0.3	69	28.2	21.6	0.6	49.6				Valve Open
11/9/2016	58	29.15	740.41	F	-0.1	0	60	38.3	24.7	0.1	36.9	18	6.894	15	Valve Open
12/1/2016	33	28.76	730.50	R	-0.9	-0.9	44	23.2	24.6	0.7	51.5				Valve Open
1/3/2017	15	28.91	734.31	R	0.2	0.2	7	0.5	4.2	19	76.3				Valve Open
2/13/2017	44	28.78	731.01	F	0.3	0.3	40	36.8	23.5	4	35.7				Valve Open
3/28/2017	38	28.98	736.09	S	-1.5	-1.6	52	18.6	22	0.6	58.8	30	5.58	22	Valve Open
4/11/2017	34	30.25	768.35	S	-6.6	-1.4	50	16.8	22.6	0.5	60.1				Valve Open
5/8/2017	60	28.85	732.79	F	0	0	75	0.1	0	20.5	79.4	15	0.015	16	Valve Closed
6/5/2017	77	30	762	S	-0.5	-0.3	78	2.2	3.1	17.7	77	14	0.308	17	Valve Closed
7/21/2017	75	29.91	759.71	F	-1.1	-6	66	16.1	21.6	1.1	61.2	24	3.864	21	Valve Open
8/15/2017	65	30.01	762.25	S	-0.2	0	67	10.5	19.5	1.2	68.8				Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 11 (DNR # 711)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
9/6/2017	60	30.14	765.56	S	-0.2	-2.1	64	9.5	19.6	0.7	70.2	16			Valve Open
10/9/2017	48	28.95	735.33	S	1.3	1.3	72	0.3	2.1	20.3	77.3				Valve Open
11/2/2017	36	29.88	758.95	R	-2.6	-2.6	56	12.2	22.7	0.7	64.4				Valve Open
12/1/2017	40	30.03	762.762	F	-2	-2	54	12.1	22.4	0.6	64.9	20	2.42	20	Valve Open
*1/8/2018	26	29.97	761.238	R	0	0	41	34	25.2	2	38.8	20	6.8	22	Valve Open
2/15/2018	32	28.7	728.98	R	-0.5	-0.5	41	19.4	19.9	6.3	54.4				Valve Open
3/14/2018	25	28.89	733.806	S	0.1	0.1	40	40.6	24.6	0.2	34.6				Valve Open
4/12/2018	38	29.73	755.142	S	-0.3	-0.3	44	3.2	2.5	20.2	74.1				Valve Closed
5/10/2018	48	30.07	763.778	S	0	-0.3	66	0	0	21	79				Valve Closed
*6/19/2018	59	28.98	736.092	S	0	0	64	27.9	16.8	4.4	50.9				Valve Open
7/10/2018	84	29.17	740.918	S	0	-0.2	74	1.2	0.8	19.8	78.2				Valve Closed
8/15/2018	67	29.98	761.492	S	Mud Wasp nest cover valves										Valve Closed
*9/24/2018	60	29.95	760.73	S	0.2	0.1	77	52.7	22.2	0.2	24.9	0	0	2	Valve Open
*10/15/2018	34	30.2	767.08	S	-0.1	-0.1	42	14.9	6.5	15.6	63				Valve Open
11/13/2018	10	30.5	774.7	S	-0.2	-0.2	57	0.1	0	21.5	78.4				Valve Closed
12/28/2018	22	28.86	733.04	S	-1.2	-0.9	22	0.2	0.2	21.7	77.9	18	0.04	17	Valve Closed
*1/7/2019	37	29.51	749.55	S	-0.6	-0.6	39	40.3	23.8	1.4	34.5	27	10.88	27	Valve Open
2/13/2019	13	29.98	761.49	S	0	0	25	40.3	21.5	0.9	37.3	3	1.21	2	Valve Open
3/20/2019	35	29.89	759.21	S	0	-0.1	41	23.3	10.3	12.1	54.3	5	1.17	5	Valve Open
4/8/2019	60	29.74	755.40	F	0	0.2	66	43.2	21.7	0.6	34.5	21	9.07	21	Valve Open
5/14/2019	61	29.95	760.73	S	-1	-0.5	84	0.1	0	20.4	79.5	53	0.05	53	Valve Closed
6/18/2019	70	29.99	761.75	S	-2	-0.5	77	0.1	0	20.4	79.5	55	0.06	55	Valve Closed
7/24/2019	71	30.2	767.08	F	-3	-0.6	94	0.2	0	20.6	79.2	54	0.11	54	Valve Closed
8/14/2019	70	30.08	764.03	S	-3	-1	82	0.1	0	20.7	79.2	51	0.05	50	Valve Closed
9/20/2019	67	30.08	764.03	S	-1	-5.2	85	1	0.7	18.9	79.4	52	0.52	52	Valve Closed
10/18/2019	52	29.79	756.67	S	0	-0.3	62	28.2	19.5	0.7	51.6	51	14.38	51	Valve Open
11/22/2019	25	29.33	744.98	S	-1	-0.7	-	0.1	0	20.8	79.1	47	0.05	28	Valve Closed
12/4/2019	31	28.87	733.30	R	-1	-0.8	-	1.9	2	19.3	76.8	47	0.89	47	Valve Closed
1/7/2020	23	30	762.00	R	-1	-0.7	-	6.3	4.2	18.5	71	46	2.90	46	Valve Closed
2/25/2020	45	29.42	747.27	R	0	0	-	33.6	15.8	6	44.6	0	0.00	0	Valve Open
3/17/2020	40	30.27	768.86	R	0	0	45	3.2	5	16.3	75.5	0	0.00	0	Valve Closed
4/21/2020	40	30.02	762.51	R	0	-0.4	47	0	0	21.8	78.2	0	0.00	0	Valve Closed
5/29/2020	77	29.91	759.71	F	0	-0.4	-	0	0	21.3	78.7	0	0.00	0	Valve Closed
6/5/2020	70	31.15	791.21	S	0	-0.2	-	0.1	0	21	78.9	0	0.00	0	Valve Closed
7/28/2020	72	29.92	759.968	S	0	0.1	92	56.3	26	0.3	17.4	0	0.00	0	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 11 (DNR # 711)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
8/11/2020	73	30.01	762.254	S	0	-0.3	98	0	0	20.6	79.4	0	0.00	99	Valve Closed
9/29/2020	54	29	736.6	S	0	0	71	14.8	16.8	0.1	68.3	30	4.44	30	Valve Opened
10/6/2020	56	29.84	757.936	F	0	0.1	73	30.6	20.3	0.2	48.9	12	3.67	12	Valve Open
11/5/2020	35	29.05	737.87	S	0	-0.1	58	1	0.5	20.9	77.6	0	0.00	0	Valve Closed
12/10/2020	40	29.94	760.476	S	-1	0	50	0.1	0.1	21.3	78.5	0	0.00	0	Valve Closed
1/18/2021	21	29.9	759.46	R	-2	-0.1	31	4.1	2.3	18.8	74.8	0	0.00	0	Valve Closed
2/2/2021	20	30.32	770.128	F	-1	0	23	39.8	22	1.6	36.6	0	0.00	52	Valve Open
3/19/2021	57	30.5	774.7	R	-2	-3.6	51	0	0	21.4	78.6	0	0.00	0	Valve Closed
4/13/2021	35	28.94	735.08	R	0	-0.2	34	0	0.1	21.7	78.2	0	0.00	0	Valve Closed
5/19/2021	65	30.01	762.25	R	0	-0.1	70	0.1	0.1	20.3	79.5	0	0.00	0	Valve Closed
6/16/2021	80	30.03	762.762	R	0	0.2	94	43.6	20.7	0.3	35.4	18	7.85	18	Valve Open
7/8/2021	85	29.98	761.492	R	0	-0.085	73	0.3	0.2	20.5	79				Valve Closed
8/10/2021	69	28.72	729.488	R	-1	0.128	83	46	22.9	1.2	29.9	15	6.90	24	Valve Open
9/13/2021	67	29.97	761.238	R	-0.6	-5.5	76	57.6	25.2	0.5	16.7	11	6.34	10	Valve Open
10/8/2021	63	29.9	759.46	R	-0.7	-0.076	61	8	4.1	17.2	70.7	<<>>		<<>>	Valve Open
11/9/2021	42	30.14	765.556	R	0.1	0.008	58	46.1	23.4	0.2	30.3	12	5.53	5	Valve Open
12/2/2021	41	29.89	759.206	R	0	-0.06	59	0	0.1	20.5	79.4	0	0.00	0	Valve Open
1/31/2022	17	29.76	755.904	R	0.04	0.81	25.8	18.8	17.5	4.3	59.4	70	0	60	Valve Open
2/25/2022	5	30.36	771.144	R	N/A	N/A	N/A	0.3	0.5	21.7	77.5	N/A			Valve Closed
3/9/2022	16	29.96	760.984	R	0	-1.24	35.2	0	0.2	22.2	77.6	27.5	0	48.3	Valve Closed
4/4/2022	33	29.87	758.698	R		NA	35.1	0	0.1	23	76.9	<<>>		<<>>	Valve Closed
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	0	0.1	21.3	78.6	<<>>		18.3	Valve Closed
7/28/2022	62	28.9	734.06	R	-0.05	-0.08	80.6	1	1.3	19.6	78.1	0	0	0	Valve Closed
8/8/2022	56	29.07	738.378	R	NA	-0.02	>>>>	10.6	6.9	14	68.5	5.9	0.6254	5.1	Valve Closed
9/7/2022	73	29.13	739.902	R	0.15	0.078	NA	35.1	18.1	2.7	44.1	13	4.563	13.1	Valve Closed
10/10/2022	61	29.05	737.87	R	0.09	0.026	75	33.5	20.4	1.5	44.6	9.8	3.283	10.1	Valve Open
11/22/2022	30	29.04	737.616	R	-0.01	0	44.6	38.3	20.5	9.2	32	N/A	-	N/A	Valve Open
12/29/2022	37	28.58	725.932	R	0	0	47.2	0	0.4	22.5	77.1	2.9	0	1	Valve Closed
1/18/2023	32	28.99	736.346	F	0.07	-0.042	37.2	7.7	7.8	14.6	69.9	N/A	0	N/A	Valve Closed
2/21/2023	6	28.75	730.25	R	0.02	-0.025	22.9	10.9	11	11.1	67	N/A	0	N/A	Valve Opened
3/6/2023	32	28.99	736.346	F	-0.01	-0.027	44.7	48.2	25.6	10.8	15.4	N/A	0	N/A	Valve Opened
4/3/2023	38	29.05	737.87	S	-0.11	-0.005	53.3	3.9	1.5	18.7	75.9	<<>>		<<>>	Valve Closed
5/22/2023	71	29.17	740.918	F	0	-0.046	87.1	0.1	0.2	20	79.7	<<>>		<<>>	Valve Closed
5/31/2023	81	28.86	733.044	R	0.01	-0.01	96.8	0	0.1	19.5	80.4	2.6	0	N/A	Valve Closed
7/27/2023	90	28.82	732.028	R	-0.03	0.127	97.5	16.6	10.2	10.3	62.9	22.3	3.7018	21.9	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 11 (DNR # 711)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
8/8/2023	80	28.91	734.314	R	-0.05	-0.05	87.7	49.1	21.6	2.1	27.2	11.6	5.6956	13.4	Valve Open
9/18/2023	55	28.98	736.092	F	0.05	0.06	86.8	54.1	22.2	0.5	23.2	16.1	8.7101	16.1	Valve Open
10/4/2023	65	28.79	731.266	F	-0.02	-0.03	9	40.8	21	1.6	36.6	4.3	1.7544	4.1	Valve Open
11/29/2023	40	28.74	729.996	S	-0.01	-0.01	47.6	40	24	1	35	5.7	2.28	5.6	Valve Open
12/15/2023	38	29.24	742.696	F	0.04	0.04	42.6	32.5	19.9	3.6	44	3.2	1.04	4.5	Valve Open

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 12 (DNR # 712)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-13.30	0.50	52.00	25.60	22.00	2.40	50.00	10	2.56		
2/17/2012	40	29.97 S			-12.9	0.5	50	26.9	23.4	0	49.7	8	2.152		
3/27/2012	68	28.54 R			-12.50	2.70	50.00	32.60	29.40	0.20	38.00				
4/18/2012	60	28.75			-10.7	0	62	43	32.2	0.3	24.5	5	2.15		
5/29/2012	60	28.65S			-6.8	-0.1	62	39	31.2	0.2	29.6				
6/25/2012	77	28.98S			Could not get to due to the amount of water around it from reshaping the landfill cap										
8/7/2012	85	28.86S			-6.6	0.1	91	59.4	37.8	1.2	1.6	0			Valve closed - Opened 3 turns
9/10/2012	69	28.89F			-2.9	-1.5	70	25.2	27	0.4	47.4	19	4.788		Valve Open
10/1/2012	62	28.77S			-5.8	-3.1	69	21.5	26.5	0.7	51.3	23	4.945		
10/22/2012	60	28.76R						59.1	40.5	0.2	0.2				Blower Off
10/31/2012	40	30.00F						55.9	37.8	0.2	6.1				Blower Off
11/13/2012	36	30.15F						52.6	37.5	0.2	9.7				Blower Off
11/27/2012	25	30.20F						55	37.2	0.2	7.6				Blower Off
12/12/2012	24	29.90F						55.5	37.3	0.2	7				Blower Off
12/19/2012	28	29.99S						58.3	41.4	0.1	0.2				Blower Off
1/15/2013	22	29.00S						58.3	39.2	0.3	2.2				Blower Off
2/8/2013	16	30.36S						60.1	39.5	0.3	0.1				Blower Off
2/12/2013	26	29.90F						47.4	36.3	0.2	16.1				Blower Off
3/28/2013	32	30.34S						57.1	37	0.4	5.5				Blower Off
4/29/2013	55	28.60F						52.6	21.1	3.2	23.1				Blower Off
5/13/2013	50	28.81S						61.4	34.3	1.2	3.1				Blower Off
6/18/2013	65	28.93S			0	0	85	61.9	36.5	0	1.6	5	3.095	0	Valve Open
7/17/2013	90	29.09S			-2.8	-1.6	70	19.3	24.7	0.1	55.9	5	0.965		Valve Open
8/13/2013	70	29.02S			-0.4	-0.3	73	29.5	28.1	0.1	42.3	25	7.375	23	Valve Open
9/11/2013	82	28.86S			-1.3	-0.8	72	24.7	26.6	0.2	48.5	29	7.163	22	Valve Open
10/8/2013	64	28.73F			-1.5	-1	67	23.4	27.1	0.1	49.4	13	3.042	12	Valve Open
11/19/2013	26	29.01F			-1.5	-1	61	23.3	27.4	0.2	49.1				Valve Open
12/18/2013	26	28.62F			0	0	38	58.4	41.1	0.1	0.1	39	22.776	38	Valve Open
1/15/2014	3	28.92F			-2.9	-1.7	59	15.4	26.4	1.6	56.6	16	2.464		Valve Open
2/18/2014	33	28.42S			-3.6	-2.3	62	15.5	23.7	0.6	60.2			31	Valve Open
3/11/2014	37	28.69R			-3.2	-2.5	60	13.5	22.3	1.7	62.5	1	0.135	27	Valve Open
4/22/2014	45	28.96S			-4.7	-2.9	65	22.4	24	1.1	52.5	27	6.048	35	Valve Open
5/14/2014	46	29.10S			-0.4	-0.4	66	27.3	17.9	10	44.8	27	7.371	27	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 12 (DNR # 712)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
6/16/2014	82	28.77S			-0.1	-0.1	87	61.4	33.8	0.9	3.9	41	25.174	41	Valve Open
7/15/2014	61	29.94F			-0.3	-0.3	70	34.1	21.6	9.3	35	32	10.912	32	Valve Open
8/5/2014	67	29.07S			-0.1	0	95	57.9	34.3	1.4	6.4	2	1.158	2	Valve Open
9/19/2014	64	28.75F			0	0	66	43	32.2	0.3	24.5	5	2.15	5	Valve Open
10/9/2014	55	30.19S			-0.2	-0.2	65	23	16	12.6	48.4	11	2.53	11	Valve Open
11/25/2014	22	28.91R			-0.4	-0.4	31	26.3	21.8	11.7	40.2				Valve Open
12/18/2014	22	29.16S			-0.2	-0.2	24	34	25.3	9.2	31.5				Valve Open
1/19/2015	29	28.79F			-0.2	-0.2	31	35.8	26.4	8.9	28.9				Valve Open
3/20/2015	40	28.88S			-0.4	-0.4	46	21.7	15.1	13.8	49.4	20	4.34	20	Valve Open
4/7/2015	37	29.03S			-0.4	-0.4	41	7.3	5.5	20	67.2				Valve Open
5/5/2015	67	29.06S			-1.3	-1	62	20.1	22	3.5	54.4	42	8.442	12	Valve Open
6/16/2015	70	29.08S			-1.5	-1.4	81	38.8	22.9	8.3	30	51	19.788	51	Valve Open
7/15/2015	70	30.05S			-1	-1.7	74	23.2	21.6	0.2	55	48	11.136	48	Valve Open
8/4/2015	75	28.89S			-1.5	-1.5	92	46.8	27.5	5.7	20	53	24.804	53	Valve Open
9/16/2015	80	28.75F			-1.3	-1.3	95	13	7.5	16.7	68.2	49	6.37	49	Valve Open
10/15/2015	54	28.90R			-0.5	-0.5	63	23.7	17	12.6	46.7	10	2.37	10	Valve Open
11/6/2015	42	29.99R			-1.6	-1.6	53	24.2	17.4	12.3	46.1	28	6.776	28	Valve Open
12/21/2015	36	28.70S			0	0	32	19.8	15.3	14.2	50.7				Valve Open
1/7/2016	32	29.98F			0.2	0.2	34	31.4	22.2	10.2	36.2	6	1.884	6	Valve Open
2/1/2016	26	28.87R			0	0	56	17.3	11.9	15.6	55.2	14	2.422	14	Valve Open
3/17/2016	40	28.69S			-3	-2.7	52	14.2	23.6	0.8	61.4			13	Valve Open
4/4/2016	33	29.23R			-3.3	-3.4	53	15.2	23.5	0.9	60.4	35	5.32	54	Valve Open
5/12/2016	46	28.89S			-3.4	-3.3	58	16.9	21.6	2.5	59	39	6.591	44	Valve Open
6/15/2016	70	28.65	727.71	F	-5.7	5.5	67	20	22.2	2.5	55.3	11	2.2	31	Valve Open
7/21/2016	86	28.89	733.81	F	-2.3	-2.2	79	23	23.7	0.3	53	30	6.9	25	Valve Open
8/9/2016	82	28.84	732.54	S	-1.9	-2.1	78	25.9	24.8	0.7	48.6	20	5.18	35	Valve Open
9/20/2016	73	29.06	738.12	R	-1.2	-1.3	72	56.9	36.7	0.4	6	22	12.518	29	Valve Open
11/9/2016	58	29.14	740.16	F	0.1	0.1	70	59.9	39.9	0	0.2	17	10.183	17	Valve Open
12/1/2016	33	28.78	731.01	R	-1.1	-0.5	37	33.8	16.5	7.6	42.1				Valve Open
1/3/2017	15	28.29	718.57	R	0.1	0.1	7	1.3	1.8	20.5	76.4				Valve Open
2/13/2017	44	-	-	F	-	-	-	53.2	-	-	-	-	-	-	Valve Open
3/28/2017	38	28.97	735.84	S	-2.6	-2.5	59	15.2	23.3	1.5	60	24	3.648		Valve Open
4/11/2017	34	30.25	768.35	S	-6.9	-2.5	53	14.4	23.5	1.8	60.3	12	1.728		Valve Open
5/8/2017	60	28.85	732.79	F	-1.9	0	73	34.4	14.8	7.1	43.7	16	5.504	16	Valve Open
6/5/2017	77	30	762	S	-2.7	-2.8	67	29.8	25.8	0.9	43.5	30	8.94	41	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 12 (DNR # 712)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
7/21/2017	75	29.91	759.71	F	-1.9	-1.9	70	14.5	16.9	6.8	61.8	13	1.885		Valve Open
8/15/2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Valve Open
9/6/2017	60	30.14	765.56	S	0.4	-4	70	23.6	26.2	0.6	49.6			21	Valve Open
10/9/2017	48	28.95	765.56	S	1.8	1.7	65	62.2	37.3	0.4	0.1				Valve Open
11/2/2017	36	29.88	758.952	R	1.4	1.8	52	0	0	20.7	79.3				Valve Open
12/1/2017	40	30.03	762.762	F	-3.3	-3.3	58	20.7	26.3	1	52			10	Valve Open
*1/8/2018	26	29.97	761.238	R	-0.2	-0.2	40	25.5	17.5	12.4	44.6	37	9.435	36	Valve Open
2/15/2018	32	28.7	728.98	R	-0.4	-0.6	40	3.3	3.3	18.1	75.3				Valve Closed
3/14/2018	25	28.89	733.806	S	0	0	59	44.5	28.8	5.9	20.8				Valve Open
4/12/2018	38	29.73	755.142	S	-0.2	-0.1	45	15	3.2	16	65.8				Valve Open
5/10/2018	48	30.07	763.778	S	-0.1	-0.1	64	24	14.6	12.7	48.7				Valve Open
*6/19/2018	59	28.98	736.092	S	0	0	64	62.7	36.9	0.2	0.2				Valve Open
7/10/2018	84	29.17	740.918	S	0	0	78	48.5	27.7	4.2	19.6				Valve Open
8/14/2018	67	29.98	761.492	S	0.2	0.2	94	61.8	37.3	0.4	0.5				Valve Open
*9/24/2018	60	29.95	760.73	S	0.4	0.4	81	61.4	38.2	0.3	0.1	13	7.982	13	Valve Open
*10/15/2018	34	30.2	767.08	S	0	0	42	61.4	34.7	1.5	2.4				Valve Open
11/20/2018	19	30.1	764.54	F	0.3	0.3	29	60.3	39.2	0.3	0.2				Valve Open
12/28/2018	22	28.86	733.04	S	-1	-0.9	22	70.2	19.5	3.7	6.6	60	42.12	57	Valve Open
*1/7/2019	37	29.51	749.55	S	-0.5	-0.5	39	58.9	40.7	0.3	0.1				Valve Open
2/13/2019	13	29.98	761.49	S	0.1	0.1	30	61.4	38.1	0.3	0.2	17	10.44	22	Valve Open
3/20/2019	35	29.89	759.21	S	-0.1	0	40	62.3	35.3	1.1	1.3	8	4.98	8	Valve Open
4/8/2019	60	29.74	755.40	F	0.2	0.2	66	75.8	9.7	1.7	12.8	30	22.74	30	Valve Open
5/14/2019	61	29.95	760.73	S	-0.4	-4.8	76	48.4	17	5.4	29.2	55	26.62	55	Valve Open
6/18/2019	70	29.99	761.75	S	-4.5	-4.1	61	0.1	0	20.8	79.1	58	0.06	54	Valve Closed
7/24/2019	71	30.2	767.08	F	-3.5	-0.3	83	58.3	32.6	1.6	7.5	55	32.07	42	Valve Open
8/14/2019	70	30.08	764.03	S	-4.3	-4.7	63	0.1	0	20.1	79.8	54	0.05	60	Valve Open
9/20/2019	67	30.08	764.03	S	-3.7	-2.5	67	0.1	0	20	79.9	48	0.05	52	Valve Closed
10/18/2019	52	29.79	756.67	S	-1.5	-0.2	57	61.8	37.9	0.2	0.1	52	32.14	55	Valve Open
11/22/2019	25	29.33	744.98	S	-4.1	-2.9	-	0.1	0.1	21.4	78.4	43	0.04	43	Valve Closed
12/4/2019	31	28.87	733.30	R	4.6	-0.7	-	3.1	2.3	19.7	74.9	52	1.61	52	Valve Closed
1/7/2020	23	30	762.00	R	-0.5	-0.5	-	60.3	39.1	0.4	0.2	46	27.74	46	Valve Open
2/25/2020	45	29.42	747.27	R	0	0	-	50.4	33.2	0.2	16.2	0	0.00	0	Valve Open
3/17/2020	40	30.27	768.86	R	0	0	43	63.5	36.4	0	0.1	0	0.00	0	Valve Open
4/21/2020	40	30.02	762.51	R	0	0	43	0	0.1	21.8	78.1	0	0.00	0	Valve Closed
5/29/2020	77	29.91	759.71	F	0	-0.1	-	9.8	5.6	18	66.6	0	0.00	0	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 12 (DNR # 712)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
6/5/2020	70	31.15	791.21	S	0	0	-	43.2	23.7	6.6	26.5	10	4.32	5	Valve Open
7/28/2020	72	29.92	759.968	S	-0.7	-5.9	85	0.2	0	20.5	79.3	0	0.00	27	Valve Closed
8/11/2020	73	30.01	762.254	S	-1.4	-1	83	0.2	0	20.6	79.2	34	0.07	82	Valve Closed
9/29/2020	54	29	736.6	S	-0.8	-0.5	66	0.1	0	20.8	79.1	21	0.02	27	Valve Closed
10/6/2020	56	29.84	757.936	F	-0.2	0.4	82	62.2	37.2	0.3	0.3	23	14.31	27	Valve Open
11/5/2020	35	29.05	737.87	S	-0.7	-0.3	65	2.2	1.5	20.2	76.1	0	0.00	9	Valve Closed
12/10/2020	40	29.94	760.476	S	-1	0.2	52	60.5	39.1	0.3	0.1	0	0.00	0	Valve Closed
1/18/2021	21	29.9	759.46	R	-0.9	-0.7	40	0.1	0.1	22.3	77.5	0	0.00	0	Valve Closed
2/2/2021	20	30.32	770.128	F	-1	0.1	23	63	36.6	0.2	0.2	0	0.00	69	Valve Open
3/19/2021	57	30.5	774.7	R	-0.9	-0.4	51	0.7	0.7	20.9	77.7	0	0.00	0	Valve Closed
4/13/2021	35	28.94	735.08	R	0	0	37	64	35.7	0.2	0.1	0	0.00	0	Valve Open
5/19/2021	65	30.01	762.25	R	0	0	71	64.7	34.7	0.3	0.3	0	0.00	0	Valve Open
6/16/2021	80	30.03	762.762	R	0.1	0.1	85	62.3	33.4	0.1	4.2	15	9.35	16	Valve Open
7/8/2021	85	29.98	761.492	R	0	-0.073	71	62.4	34.9	0.3	2.4				Valve Open
8/10/2021	69	28.72	729.488	R	-0.7	0.05	84	44	28.9	3.6	23.5	14	6.16	14	Valve Open
9/13/2021	67	29.97	761.238	R	-0.7	-0.8	78	55.4	33.8	0.3	10.5	12	6.65	11	Valve Open
10/8/2021	63	29.9	759.46	R	-0.7	-0.041	70	11.1	6.7	16.7	65.5	<<>>		<<>>	Valve Open
11/9/2021	42	30.14	765.556	R	-0.7	-0.084	60	47.9	32.3	1.1	18.7	0	0.00	0	Valve Open
12/2/2021	41	29.89	759.206	R	0	-0.064	52	1.2	0.8	20.4	77.6	0	0.00	0	Valve Closed
1/31/2022	17	29.76	755.904	R	0.02	0.001	32.4	62.1	35.2	2.7	0	<<>>		2.3	Valve Open
2/25/2022	5	30.36	771.144	R	0.04	-0.71	31	56.2	33.1	2.1	8.6	92.3	0	121.4	Valve Open
3/9/2022	16	29.96	760.984	R	0	-0.8	32.5	63	35	0.4	1.6	64.7	0	57.2	Valve Open
4/4/2022	33	29.87	758.698	R		NA	36.9	42.4	27.6	4.6	25.4	6	2.544	6.5	Valve Open
5/26/2022	46	28.83	732.282	R	0	NA	>>>>	62.6	33.9	1.4	2.1	2.2	1.3772	2.7	Valve Open
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	59.5	32.8	0.6	7.1	4.3	2.5585	3.4	Valve Open
7/28/2022	62	28.9	734.06	R	-0.01	0	86.5	0	0.2	21	78.8	0	0	0	Valve Closed
8/8/2022	56	29.07	738.378	R	NA	0	>>>>	0	0.3	20.9	78.8	6.7	0	6.7	Valve Closed
9/7/2022	73	29.13	739.902	R	0.03	0.002	NA	0	0.5	20.1	79.4	1.9	0	2	Valve Closed
10/10/2022	61	29.05	737.87	R	0.03	0.03	81.8	56	32.7	1.5	9.8	11.1	6.216	10.9	Valve Open
11/22/2022	30	29.04	737.616	R	0.01	-0.004	44.9	57.8	33.1	3.3	5.8	N/A	-	N/A	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 12 (DNR # 712)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
12/29/2022	37	28.58	725.932	R	0.05	-0.005	44.8	0.2	1.4	22	76.4	N/A	0	N/A	Valve Closed
1/18/2023	32	28.99	736.346	F	0.05	-0.003	35.8	39.6	29.6	0.9	29.9	N/A	0	N/A	Valve Closed
2/21/2023	6	28.75	730.25	R	0	-0.013	28.9	0.2	0.2	23.6	76	N/A	1	N/A	Valve Closed
3/6/2023	32	28.99	736.346	F	0.03	-0.01	43.8	56	34.2	3.2	6.6	N/A	0	N/A	Valve Opened
4/3/2023	38	29.05	737.87	S	-0.01	0.001	56.8	0	0.3	21.9	77.8	3.5	0	2.1	Valve Closed
5/22/2023	71	29.17	740.918	F	0	0.006	91.4	57.2	29.9	3.6	9.3	5.4	3.0888	4.8	Valve Open
5/31/2023	81	28.86	733.044	R	0.01	0.02	99.4	54.4	28.9	2.6	14.09	8.3	4.5152	8	Valve Open
7/27/2023	90	28.82	732.028	R	0	0.01	103.7	0.1	0.9	18.9	80.1	6	0.006	5.8	Valve Closed
8/8/2023	80	28.91	734.314	R	-0.05	-0.05	88.8	0.5	1.4	19	79.1	5.9	0.0295	5.8	Valve Open
9/18/2023	55	28.98	736.092	F	0.03	0.03	90.9	61.7	35.4	0.3	2.59	16.5	10.1805	16.2	Valve Open
10/4/2023	65	28.79	731.266	F	-0.03	-0.03	70.2	0.3	0.7	20.9	78.1	3.4	0.0102	3.4	Valve Closed
11/26/2023	40	28.74	729.996	S	-0.06	-0.07	51.9	0.2	0.3	22	77.5	9.4	0.0188	9.2	Valve Closed
12/15/2023	38	29.24	742.696	F	0.02	0.02	41.3	0.1	0.3	23	76.6	3.9	0.0039	4.2	Valve Closed

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 13 (DNR # 713)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-18.20	0.20	38.00	50.00	32.10	0.00	17.90				
3/27/2012	68	28.54 R			-18.00	0.40	50.00	10.00	20.70	2.90	66.30				
6/25/2012	77	28.98S			Could not get to due to the amount of water around it from reshaping the landfill cap										
9/10/2012	69	28.89F			-2.1	0.1	77	34.1	31	0.3	34.6	9	3.069		Valve Open
10/22/2012	60	28.76R						53.1	36.9	0.2	9.8				Blower Off
10/31/2012	40	30.00F						55.8	37	0.2	7				Blower Off
11/13/2012	36	30.15F						15	19.9	4.7	60.4				Blower Off
12/19/2012	28	29.99S						24.1	16.6	10.7	48.6				Blower Off
2/8/2013	16	30.36S						10.2	8.6	13.3	67.9				Blower Off
3/28/2013	32	30.34S						55	35.7	0.9	8.4				Blower Off
6/18/2013	65	28.93S			-0.6	-0.6	82	0.3	0	19.4	80.3	8	0.024	8	Valve Open
9/11/2013	82	28.86S			-2.2	-1.3	72	11.6	23.5	1.1	63.8	24	2.784	24	Valve Open
12/18/2013	26	28.62F			-0.2	-0.1	38	43.8	33.5	0.1	22.6	18	7.884	18	Valve Open
3/11/2014	37	28.69R			-7.8	-3.6	78	4.2	15.8	6.9	73.1	25	1.05	24	Valve Open
6/16/2014	82	28.77S			-3.5	-0.9	99	15.3	9.4	14.7	60.6	38	5.814	38	Valve Open
9/19/2014	64	28.75F			-4.3	-2.6	71	20.3	25.6	0.1	54	18	3.654	17	Valve Open
12/18/2014	22	29.16S			-9.9	-4.4	71	12.8	24.9	1.4	60.9	7	0.896	10	Valve Open
3/20/2015	40	28.88S			-10.2	-4.3	74	10.9	22.5	2.3	64.3	27	2.943	28	Valve Open
6/16/2015	70	29.08S			-6.5	-5.9	76	11.4	21	2.1	65.5	54	6.156	58	Valve Open
9/16/2015	80	28.75F			-6.6	-6.8	76	12.3	21.9	1	64.8	55	6.765	52	Valve Open
12/21/2015	36	28.70S			-6	-5.4	69	13.1	25.7	0.7	60.5			17	Valve Open
3/17/2016	40	28.69S			-6.9	-6.3	64	11.4	23.8	0.8	64	10	1.14	10	Valve Open
6/15/2016	70	28.64	727.46	F	1.5	1.5	68	13.5	23.8	0.5	62.2	21	2.835	8	Valve Open
9/20/2016	73	29.08	738.63	R	-6.3	-5.8	70	45.5	31.4	0.5	22.6	30	13.65	24	Valve Open
12/1/2016	33	28.79	731.27	R	-5	-4.5	64	17.2	27	1.8	54			0	Valve Open
3/28/2017	38	28.98	736.09	S	-7.2	-6.8	64	12.4	22.9	1.4	63.3	173	21.452	174	Valve Open
6/5/2017	77	30	762	S	-6.4	-8.6	66	24.9	24.3	0.4	50.4	33	8.217	23	Valve Open
9/26/2017	60	29.95	760.73	R	-6	-5.5	68	14.1	24.8	0.7	60.4		0		Valve Open
12/19/2017	35	28.8	731.52	R	-7	-7	69	19.9	25.8	2.6	51.7			28	Valve Open
3/14/2018	25	28.89	733.806	S	-9.2	-8.6	72	0	0	21.1	78.9				Valve Closed
*6/19/2018	59	28.98	736.092	S	-0.2	0	64	39.3	29.4	5.9	25.4				Valve Open
*9/24/2018	60	29.95	760.73	S	0.6	0.6	80	55.1	39.7	0.3	4.9	9	4.959	9	Valve Open
12/28/2018	22	28.86	733.04	S	-1.1	-1	22	5.4	4.1	19.1	71.4	16	0.86	16	Valve Open
3/20/2019	35	29.89	759.21	S	-13.2	-8.7	61	0	0	20.9	79.1	17	0.00		Valve Closed
6/18/2019	70	29.99	761.75	S	-0.3	-0.4	80	1.7	0.9	19.7	77.7	55	0.94	51	Valve Closed
9/20/2019	67	30.08	764.03	S	-0.2	-0.2	76	49.5	38.3	0.2	12	52	25.74	52	Valve Open
12/4/2019	31	28.87	733.30	R	-15.4	-12.4	-	0.1	0	20.8	79.1	65	0.07	55	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 13 (DNR # 713)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
3/17/2020	40	30.27	768.86	R	0.1	0.1	48	40.3	30.9	5.7	23.1	0	0.00	0	Valve Open
6/5/2020	70	31.15	791.21	S	-8.6	-7.6	-	0.2	0	20.7	79.1	13	0.03	20	Valve Closed
9/29/2020	54	29	736.6	S	-6.1	-0.9	61	0.1	0	21.2	78.7	21	0.02	20	Valve Closed
12/10/2020	40	29.94	760.476	S	0	0	53	6.7	5.4	18.6	69.3	0	0.00	0	Valve Closed
3/19/2021	57	30.5	774.7	R	-10.6	-6.9	57	0	0	21.4	78.6	0	0.00	0	Valve Closed
6/16/2021	80	30.03	762.762	R	0.1	0.1	99	0.1	0	20.5	79.4	17	0.02	17	Valve Closed
9/13/2021	67	29.97	761.238	R	-0.6	-4.5	78	0.3	0.2	20.1	79.4	12	0.04	11	Valve Closed
12/2/2021	41	29.89	759.206	R	0	-0.071	58	0.5	1.4	19.7	78.4	0	0.00	0	Valve Closed
3/9/2022	16	29.96	760.984	R	0	2.43	>>>>	3	5.7	19.7	71.6	<<>>		<<>>	Valve Closed
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	2.3	2.5	19.7	75.5	<<>>		<<>>	Valve Closed
9/7/2022	73	29.13	739.902	R	0.04	-0.081	NA	0	0	21.4	78.6	N/A	-	N/A	Valve Closed
11/22/2022	30	29.04	737.616	R	-0.01	0.003	41.8	35.9	29.6	16.2	18.3	2.5	0.8975	3.2	Valve Open
3/6/2023	32	28.99	736.346	F	-0.03	0.129	41.8	35.9	27.4	19.8	16.9	N/A	0	N/A	Valve Open
5/31/2023	81	28.86	733.044	R	-0.05	-0.07	98.9	22.6	13.6	11.2	52.6	4	0.904	4.7	Valve Open
9/18/2023	55	28.98	736.092	F	-0.02	-0.04	83.3	9.3	9.3	14.9	66.5	17.1	1.5903	16.7	Valve Open
12/15/2023	38	29.24	742.696	F	0.03	0.04	42.4	0.6	1.2	22.4	75.8	2.2	0.0132	3.3	Valve Closed

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 14 (DNR # 714)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
3/27/2012	48	29.85 F			-18.60	0.00	40.00	19.00	26.50	0.00	54.50				
3/27/2012	68	28.54 R			-17.50	0.60	48.00	26.60	30.00	0.20	43.00				
6/25/2012	77	28.98S			0	0	87	12.1	24.6	0.3	63	3	0.363		Valve Closed
9/10/2012	69	28.89F			-4.6	0.2	92	38.3	35.2	0.4	26.1	79	30.257		Valve Open (1/4 turn)
10/22/2012	60	28.76R						47.8	37.4	1.4	13.4				Blower Off
10/31/2012	40	30.00F						48.1	36.3	0.3	15.3				Blower Off
11/13/2012	36	30.15F						8.4	7.5	13.1	71				Blower Off
11/27/2012	25	30.20F						15.4	15.1	5.9	63.6				Blower Off
12/12/2012	24	29.90F						21.6	19	4.3	55.1				Blower Off
12/19/2012	28	29.99S						16	11.3	12.7	60				Blower Off
1/2/2013	14	29.95S						50.4	30.6	0.3	18.7				Blower Off
2/8/2013	16	30.36S						6.3	5.5	15.7	72.5				Blower Off
3/28/2013	32	30.34S						16	13.3	6.2	64.5				Blower Off
6/18/2013	65	28.93S			-4.1	0	86	43.2	25.6	4.2	27	12	5.184	12	Valve Open (1/4 turn)
9/11/2013	82	28.86S			-2.3	-0.1	89	19.4	12.6	12	56	22	4.268	23	Valve Closed
12/18/2013	26	28.62F			-0.1	0	36	30.5	35.5	0.1	33.9	18	5.49	18	Valve Closed
3/11/2014	37	28.69R			-7.8	-0.6	47	0	0.1	21.2	78.7	19	0	19	Valve Closed
6/16/2014	82	28.77S			-5	-0.1	93	14.3	9	13.1	63.6	39	5.577	39	Valve Closed
9/19/2014	64	28.75F			-4.1	0	80	18.4	12.1	12.6	56.9				Valve Closed
12/18/2014	22	29.16S			-9.9	-0.1	24	0.3	0.5	22.5	76.7				Valve Closed
3/20/2015	40	28.88S			-10.2	-0.3	47	1.3	1.2	20.9	76.6	23	0.299	23	Valve Closed
6/16/2015	70	29.08S			-5.2	-2.8	58	2.9	18.2	0.5	78.4	70	2.03	68	Valve Open
9/16/2015	80	28.75F			-7.4	-1.5	89	0.1	0	20.6	79.3	45	0.045	45	Valve Closed
12/21/2015	36	28.70S			-6.9	-0.1	31	0	0.2	21.7	78.1				Valve Closed
3/17/2016	40	28.69S			-7.7	-0.6	45	0	0.1	21.6	78.3				Valve Closed
6/15/2016	70	28.64	727.46	F	-0.2	7.1	80	0.1	0	20.2	79.7	5	0.005	5	Valve Closed
9/20/2016	73	29.03	737.36	R	-5.8	0.6	94	0.2	0	19.9	79.9	4	0.008	4	Valve Closed
12/1/2016	33	28.78	731.01	R		-0.6	36	0.1	0.1	20.1	79.7				Valve Closed
3/28/2017	38	28.97	735.84	S	-7.6	-0.6	73	0.1	0	21.2	78.7	47	0.047	46	Valve Closed
6/5/2017	77	30	762	S	-7	-0.7	73	0.1	0	19.2	80.7	26	0.026	27	Valve Closed
9/26/2017	60	29.95	760.73	R	-6.8	0.6	59	0	0	20.6	79.4		0		Valve Closed
12/19/2017	35	28.8	731.52	R	-7.4	-0.7	34	0	0	21.2	78.8				Valve Closed
3/14/2018	25	28.89	733.806	S	-10.2	-0.7	36	0	0	21.1	78.9				Valve Closed
*6/19/2018	59	28.98	736.092	S	-3.5	-0.1	66	0	0	20.6	79.4				Valve Closed
*9/24/2018	60	29.95	760.73	S	0.3	0.3	79	0.5	1.9	19.2	78.4	13	0.065	13	Valve Closed
12/28/2018	22	28.86	733.04	S	-0.9	-1.1	22	0.1	0.1	21.6	78.2	16	0.02	17	Valve Closed
3/20/2019	35	29.89	759.21	S	-10.1	-0.5	42	0	0.1	20.9	79	0	0.00		Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 14 (DNR # 714)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
6/18/2019	70	29.99	761.75	S	-0.3	-0.5	78	3.9	6.9	13	76.2	55	2.15	55	Valve Closed
9/20/2019	67	30.08	764.03	S	-0.4	-0.4	78	38.8	27.6	0.2	33.4	53	20.56	53	Valve Open
12/4/2019	31	28.87	733.30	R	-14.1	-3.1	-	0.1	0	20.8	79.1	91	0.09	48	Valve Closed
3/17/2020	40	30.27	768.86	R	0.1	0	44	34.1	26.8	1.2	37.9	0	0.00	0	Valve Open
6/5/2020	70	31.15	791.21	S	-7.5	-1.7	-	0.2	0	20.9	78.9	61	0.12	33	Valve Closed
9/29/2020	54	29	736.6	S	-6.5	-0.3	59	0.1	0.1	21.1	78.7	24	0.02	24	Valve Closed
12/10/2020	40	29.94	760.476	S	0.1	-0.2	52	0.1	0.1	21.5	78.3	0	0.00	0	Valve Closed
3/19/2021	57	30.5	774.7	R	-7.4	-0.3	49	0	0	21.4	78.6	0	0.00	0	Valve Closed
6/16/2021	80	30.03	762.762	R	0.1	-0.1	94	0.2	0	20.9	78.9	15	0.03	15	Valve Closed
9/13/2021	67	29.97	761.238	R	-0.7	-0.8	80	0.1	0	20.2	79.7	0	0	0	Valve Closed
12/2/2021	41	29.89	759.206	R	-0.1	-0.317	52	0	0.1	20.6	79.3	0	0	0	Valve Closed
3/9/2022	16	29.96	760.984	R	0	-0.03	40.7	0	0.1	20.3	79.6	<<>>		<<>>	Valve Closed
6/9/2022	75	28.92	734.568	F	0	NA	95.7	0	0	21.3	78.7	<<>>		<<>>	Valve Closed
9/7/2022	73	29.13	739.902	R	-0.03	0.002	NA	0	0	21.2	78.8	1.9	0	2	Valve Closed
11/22/2022	30	29.04	737.616	R	0.02	0.298	43.7	31.3	27.9	11.9	28.9	32.2	10.0786	35.1	Valve Open
3/6/2023	32	28.99	736.346	F	0.04	0.141	43.4	35.1	25.6	14.6	24.7	N/A	0	N/A	Valve Open
5/31/2023	81	28.86	733.044	R	0.01	0.02	91	0	0	20.1	79.9	N/A	0	N/A	Valve Closed
9/18/2023	55	28.98	736.092	F	0.15	0.16	90.3	33.8	27.7	0.5	38	18.3	6.1854	18	Valve Open
12/15/2023	38	29.24	742.696	F	-0.49	-0.51	54.9	6.1	9	14.9	70	15.5	0.9455	16.2	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 15 (DNR # 715)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-16.60	0.30	35.00	14.40	23.80	0.30	61.50				
3/27/2012	68	28.54 R			-15.60	0.90	60.00	5.60	22.40	0.00	72.10				
6/25/2012	77	28.98S			0	0	78	10.1	23.8	1.6	64.5	1	0.101		Valve Closed
9/10/2012	69	28.89F			-4.6	0.2	93	14.7	27	0.8	57.5	0			Valve Closed
10/22/2012	60	28.76R						20.2	31.2	0.2	48.4				Blower Off
10/31/2012	40	30.00F						23.3	31.5	0.3	44.9				Blower Off
11/13/2012	36	30.15F						1.2	4.4	13.8	80.6				Blower Off
12/19/2012	28	29.99S						0	0.4	20.3	79.3				Blower Off
3/28/2013	32	30.34S						6.8	5.6	14.4	73.2				Blower Off
6/18/2013	65	28.93S			-4.5	0	79	30.9	21.9	5.2	42	6	1.854	6	Valve Closed
9/11/2013	82	28.86S			-2.3	0	90	2.2	4.2	16.7	76.9	22	0.484	22	Valve Closed
12/18/2013	26	28.62F			-0.1	0	36	11.1	29.4	0.1	59.4	17	1.887	16	Valve Closed
3/11/2014	37	28.69R			-9.3	-0.5	46	0	3.4	17.8	78.8	20	0	20	Valve Closed
6/16/2014	82	28.77S			-5.5	0	88	2.3	14.4	4.6	78.7	38	0.874	38	Valve Closed
9/19/2014	64	28.75F			-4.5	0	79	4.8	20.2	3	72	13	0.624	12	Valve Closed
12/18/2014	22	29.16S			-10.9	-0.1	31	1.1	12	10.2	76.7				Valve Closed
3/20/2015	40	28.88S			-11.4	-0.1	41	0.5	4.9	16.3	78.3	23	0.115	23	Valve Closed
6/16/2015	70	29.08S			-9.4	-1.6	78	0.3	0	21.1	78.6	50	0.15	50	Valve Closed
9/16/2015	80	28.75F			-8.9	-1.2	87	0.3	0	20.1	79.6	50	0.15	49	Valve Closed
12/21/2015	36	28.70S			-7.7	0	33	0	4	18.1	77.9				Valve Closed
3/17/2016	40	28.69S			-9.3	0	41	0	9.4	11	79.6				Valve Closed
6/15/2016	70	28.65	727.71	F	-0.8	-0.8	78	0.1	4.7	15.2	80	9	0.009	9	Valve Closed
9/20/2016	73	29.09	738.89	R	-7.5	-0.3	75	0.2	0.3	19.7	79.8	18	0.036	18	Valve Closed
12/1/2016	33	28.8	731.52	R		-0.6	36	0.1	0.2	19.4	80.3				Valve Closed
3/28/2017	38	29.12	739.65	S	-8.5	-0.2	49	0	0	21.1	78.9				Valve Closed
6/5/2017	77	30	762	S	-8.6	-0.6	81	0.1	0	19	80.9	26	0.026	26	Valve Closed
9/26/2017	60	29.95	760.73	R	-6.8	0.8	58	0	0	20.5	79.5				Valve Closed
12/19/2017	35	28.8	731.52	R	-8.6	-0.6	32	0	0.1	21.1	78.8				Valve Closed
3/14/2018	25	28.89	733.806	S	-12.8	0	44	0	6.8	13.2	80				Valve Closed
*6/19/2018	59	28.98	736.092	S	-6.2	0	64	12.5	23.3	0.3	63.9				Valve Open
*9/24/2018	60	29.95	760.73	S	3.5	0.3	95	8.3	27.6	0.3	63.8	6	0.498	6	Valve Closed
12/28/2018	22	28.86	733.04	S	-6.8	-0.9	22	0.1	8.9	14.2	76.8	15	0.02	164	Valve Closed
3/20/2019	35	29.89	759.21	S	-13.1	-0.5	40	1.1	2.4	19.3	77.2			3	Valve Closed
6/18/2019	70	29.99	761.75	S	-3.8	-0.3	79	0.1	9.6	10.1	80.2	55	0.06	55	Valve Closed
9/20/2019	67	30.08	764.03	S	-0.4	-0.4	76	31.4	30.9	0.2	37.5	50	15.70	50	Valve Open
12/4/2019	31	28.87	733.30	R	-15.5	-14.9	-	0.1	0	20.8	79.1	49	0.05	49	Valve Closed
3/17/2020	40	30.27	768.86	R	0	0	49	21.4	25.1	0.3	53.2	0	0.00	0	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 15 (DNR # 715)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
6/5/2020	70	31.15	791.21	S	-10.7	-9.5	-	0.2	0	21.2	78.6	0	0.00	11	Valve Closed
9/29/2020	54	29	736.6	S	-9.8	-0.3	61	0.1	0.2	21.1	78.6	24	0.02	24	Valve Closed
12/10/2020	40	29.94	760.476	S	-0.2	-0.3	52	0.1	0.1	21.5	78.3	0	0.00	0	Valve Closed
3/19/2021	57	30.5	774.7	R	-6.9	-0.4	48	0	0	21.4	78.6	0	0.00	0	Valve Closed
6/16/2021	80	30.03	762.762	R	0.1	-0.1	88	0.1	0	20.9	79	16	0.02	16	Valve Closed
9/13/2021	67	29.97	761.238	R	-0.7	-3.6	77	0.1	0.9	19.4	79.6	15	0.02	9	Valve Closed
12/2/2021	41	29.89	759.206	R	0	-0.425	53	0	0.1	20.4	79.5	0	0.00	0	Valve Closed
3/9/2022	16	29.96	760.984	R	0	0.5	>>>>	0	0.4	22.5	77.1	<<>>		<<>>	Valve Closed
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	0	0	21.9	78.1	<<>>		<<>>	Valve Closed
9/7/2022	73	29.13	739.902	R	0.02	0.005	NA	0	0	21.4	78.6	3	0	3.2	Valve Closed
11/22/2022	30	29.04	737.616	R	0.2	-0.337	44.9	0	0.5	21.5	78	N/A	-	N/A	Valve Closed
3/6/2023	32	28.99	736.346	F	0.03	-0.248	44.8	0	0.7	22.1	77.2	N/A	0	N/A	Valve Closed
5/31/2023	81	28.86	733.044	R	0.02	0.02	88.3	0	0.2	19.4	80.4	N/A	0	N/A	Valve Closed
9/18/2023	55	28.98	736.092	F	0.07	0.07	90	0.1	0.1	21.2	78.6	15.9	0.0159	15.8	Valve Open
12/15/2023	38	29.24	742.696	F	-2.5	-2.44	49.4	0.2	0.4	22.8	76.6	-	-	-	Valve Open

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 17 (DNR # 717)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
3/27/2012	48	29.85 F			-20.60	0.00	70.00	13.20	26.40	0.00	60.40				
3/27/2012	68	28.54 R			-19.80	0.60	70.00	10.80	26.10	0.20	62.90				
6/25/2012	77	28.98S			0	0	89	8.6	25.2	0.3	65.9	0			Valve Closed
9/10/2012	69	28.89F			-5.2	0	78	8	24	0.4	67.6	0			Valve Open 1/4 turn
10/22/2012	60	28.76R						33.8	31.9	0.4	33.9				Blower Off
10/31/2012	40	30.00F						30.9	31.9	0.2	37				Blower Off
11/13/2012	36	30.15F						18.7	19.8	5.7	55.8				Blower Off
11/27/2012	25	30.20F						21.9	26.8	0.7	50.6				Blower Off
12/19/2012	28	29.99S						39.8	32.7	1.1	26.4				Blower Off
3/28/2013	32	30.34S						31	23.6	4.4	41				Blower Off
6/18/2013	65	28.93S			-6	0	81	29.5	26.3	2.5	41.7				Valve Open 1/4 turn
9/11/2013	82	28.86S			-3.4	0	90	4.3	5.4	15.4	74.9	23	0.989	23	Valve Closed
12/18/2013	26	28.62F			-0.2	-0.1	36	11.4	29.1	0.1	59.4	17	1.938	17	Valve Closed
3/11/2014	37	28.69R			-13.1	-0.7	41	0.1	1.2	20.6	78.1	26	0.026	26	Valve Closed
6/16/2014	82	28.77S			-6.2	-0.1	90	17.2	22.2	1	59.6	32	5.504	32	Valve Closed
9/19/2014	64	28.75F			-5.6	0.1	66	2.7	14.1	6.7	76.5				Valve Closed
12/18/2014	22	29.16S			-13.9	-0.1	29	16.3	19.9	4.6	59.2				Valve Closed
3/20/2015	40	28.88S			-14.6	-0.1	42	13.3	15.3	7.7	63.7	23	3.059	23	Valve Closed
6/16/2015	70	29.08S			-16.1	-1.5	87	0.2	0.1	21.4	78.3	48	0.096	47	Valve Closed
9/16/2015	80	28.75F			-11.9	-1.6	79	0.1	0.7	19.4	79.8	45	0.045	45	Valve Closed
12/21/2015	36	28.70S			-11.7	-0.7	36	0.1	0.6	20.6	78.7				Valve Closed
3/17/2016	40	28.69S			-12.6	-0.5	45	0	0.3	21	78.7				Valve Closed
6/15/2016	70	28.65	727.71	F	-4.5	7.3	80	0.5	0.9	19.2	79.4	10	0.05	10	Valve Closed
9/20/2016	73	29.3	744.22	R	-10.5	0.8	95	30.7	28.7	1.5	39.1	7	2.149	7	Valve Open
12/1/2016	33	28.74	730.00	R	-9.5	-0.6	53	6.1	21.2	0.8	71.9	24	1.464	17	Valve Open
3/28/2017	38	29.12	739.65	S	-7.8	-1.2	53	11.9	24.1	0.8	63.2	11	1.309	14	Valve Open
6/5/2017	77	30	762	S	-7.9	-0.9	73	15.6	22.3	0.3	61.8	37	5.772	187	Valve Open
9/6/2017	60	30.14	765.56	S	-6	0.5	61	4.5	22.2	1	72.3				Valve Open
12/19/2017	35	28.8	731.52	R	-8.2	-0.8	58	7.2	25.1	1.4	66.3	3	0.216		Valve Open
3/14/2018	25	28.89	733.806	S	-14.2	-0.6	56	5.7	16.6	5.1	72.6	20	1.14	17	Valve Open
*6/19/2018	59	28.98	736.092	S	-14.6	-0.1	66	26.6	25	1.2	47.2	14	3.724	11	Valve Open
*9/24/2018	60	29.95	760.73	S	0	0.1	114	18.3	28	0.3	53.4				Valve Open
12/28/2018	22	28.86	733.04	S	-11.5	-2	57	1.7	7.2	16.7	74.4	35	0.60	37	Valve Closed
3/20/2019	35	29.89	759.21	S	-14.4	-0.1	38	46.1	29.4	0.3	24.2	30	13.83	29	Valve Open
6/18/2019	70	29.99	761.75	S	-12.7	-0.7	64	1.8	16.5	4.5	77.2	53	0.95	53	Valve Closed
9/20/2019	67	30.08	764.03	S	-10	-0.3	78	30	21.8	6.9	41.3	50	15.00	66	Valve Open
12/4/2019	31	28.87	733.30	R	-12.2	-2.1	-	0.1	0	20.4	79.5	68	0.07	52	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 17 (DNR # 717)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
3/17/2020	40	30.27	768.86	R	0	-0.1	33	3.5	2.7	19.3	74.5	0	0.00	0	Valve Closed
6/5/2020	70	31.15	791.21	S	-7.1	-0.8	-	0	0	20.6	79.4	18	0.00	18	Valve Open, Broke
9/29/2020	54	29	736.6	S	-0.2	-0.2	60	2.3	18.3	4.6	74.8	25	0.58	24	Valve Broken
12/10/2020	40	29.94	760.476	S	-4.4	-0.2	52	0.1	0.1	21.5	78.3	0	0.00	0	Valve Broken
3/19/2021	57	30.5	774.7	R	-4.6	0	53	0	0	21.4	78.6	0	0.00	0	Valve Broken
6/16/2021	80	30.03	762.762	R	-5.4	-2.5	72	0	0	20.6	79.4	74	0.00	69	Valve Broken
9/13/2021	67	29.97	761.238	R	-5.2	-2.8	76	0	0	20.1	79.9	70	0	68	Valve Broken
12/2/2021	41	29.89	759.206	R	-2.3	3.135	77	0	0.1	20.6	79.3	116	0	116	Valve Broken
3/9/2022	16	29.96	760.984	R	0	-0.04	38.3	8.6	22.4	0.9	68.1	95.4	0	<<>>	Valve Open
6/9/2022	75	28.92	734.568	F	0	NA	77.5	13	23.8	0.5	62.7	54.9	7.137	55	Valve Open
9/7/2022	73	29.13	739.902	R	-1.65	1.059	NA	4.9	17.3	4.5	73.3	47.1	2.3079	47	Valve Closed
11/22/2022	30	29.04	737.616	R	-1.35	1.11	75.2	12.2	22.2	3.4	62.2	68.1	8.3082	65.3	Valve Open
3/6/2023	32	28.99	736.346	F	-1.08	1.087	38.3	13.4	21.7	4.1	60.8	N/A	0	N/A	Valve Open
5/31/2023	81	28.86	733.044	R	-3.1	-3.1	79.4	9.5	15.3	9.1	66.1	94.2	8.949	94	Valve Open
9/18/2023	55	28.98	736.092	F	-0.05	-0.07	94	0	0	21.6	78.4	17.2	0	17.2	Valve Open
12/15/2023	38	29.24	742.696	F	-1.58	-1.55	78.5	3.9	10.8	12.2	73.1	59.5	2.3205	59.5	Valve Closed

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 18 (DNR # 718)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-20.70	0.00	42.00	18.00	28.40	0.00	53.60				
3/27/2012	68	28.54 R			-19.00	0.70	48.00	11.90	26.90	0.00	61.50				
6/25/2012	77	28.98S			0	0.1	85	15.7	26.5	1.1	56.7	0			Valve closed
9/10/2012	69	28.89F			-5.1	0.1	84	5.2	21.3	7	72.8	3			Valve open 1/4 turn
10/31/2012	40	30.00F						14.7	25.8	0.2	59.3				Blower Off
11/13/2012	36	30.15F						7.1	14.2	6.9	71.8				Blower Off
12/19/2012	28	29.99S						19.5	16.9	10.5	53.1				Blower Off
3/28/2013	32	30.34S						3.8	3.8	17.8	74.6				Blower Off
6/18/2013	65	28.93S			-5.9	0	78	0.8	0.2	19	80				Valve open 1/4 turn
9/11/2013	82	28.86S			-3.2	0	87	0.1	0	20	79.9	22	0.022	22	Valve closed
12/18/2013	26	28.62F			-0.2	-0.1	35	12	28.3	0.1	59.6	17	2.04	16	Valve closed
3/11/2014	37	28.69R			-13.1	-0.7	39	0	0.1	22.3	77.6	26	0	26	Valve closed
6/16/2014	82	28.77S			-6.2	-0.1	86	0.9	0.7	20.3	78.1	34	0.306	34	Valve closed
9/19/2014	64	28.75F			-5.4	0.1	65	7.1	11.2	10.5	71.2				Valve closed
12/18/2014	22	29.16S			-13.9	-0.1	29	14.1	15.7	8.6	61.6				Valve closed
3/20/2015	40	28.88S			-14.6	-0.1	40	1.8	2	20.2	76	23	0.414	23	Valve closed
6/16/2015	70	29.08S			-15.8	-1.6	76	0.1	0	21	78.9	46	0.046	46	Valve open
9/16/2015	80	28.75F			-12	-1.5	79	0.3	1.1	18.8	79.8	45	0.135	45	Valve closed
12/21/2015	36	28.70S			-11.6	-0.6	32	0.9	6.6	15.5	77				Valve closed
3/17/2016	40	28.69S			-12.5	-0.5	44	0	0.4	21	78.6				Valve closed
6/15/2016	70	28.64	727.46	F	-5	7.3	78	0.4	0.7	19.4	79.5	11	0.044	11	Valve closed
9/20/2016	73	29.03	737.36	R	-10.5	0.8	94	25	21	5.6	48.4	9	8.46	10	Valve Open
12/1/2016	33	28.74	730.00	R	-9.3	-1.1	55	4.1	24.9	5.6	65.4	15	8.25	14	Valve Open
3/28/2017	38	28.96	735.58	S	-4.8	-2.3	59	2.6	21.3	0.5	75.6	93	54.87	99	Valve Closed
6/5/2017	77	30	762	S	-5	-3	65	3.5	20	0.7	75.8	87	56.55	80	Valve Closed
9/6/2017	60	30.14	765.56	S	-3.4	-5.1	70	1.9	20.7	0.8	76.6	65	45.5	66	Valve Closed
12/19/2017	35	28.8	731.52	R	-5.5	-3.1	76	7	25.6	0.3	67.1	77	58.52	77	Valve Open
3/14/2018	25	28.89	733.806	S	-14.9	-0.3	61	0.1	0.7	20.1	79.1				Valve Open
*6/19/2018	59	28.98	736.092	S	-14.9	0	63	39.2	29.6	0.2	31				Valve Open
*9/24/2018	60	29.95	760.73	S	0	-1.9	87	28.2	30	0.3	41.5				Valve Open
12/28/2018	22	28.86	733.04	S	Well Frozen										Valve Open
3/20/2019	35	29.89	759.21	S	-15	-0.1	36	44.9	28.3	1.2	25.6	29	13.021	27	Valve Open
6/18/2019	70	29.99	761.75	S	-12.3	-0.7	76	0.5	3.1	18	78.4	53	0.265	53	Valve Closed
9/20/2019	67	30.08	764.03	S	-11.4	-0.4	78	43.1	34.8	0.3	21.8	51	21.981	51	Valve Open
12/4/2019	31	28.87	733.30	R	-12.3	-1.4	-	0.3	1.8	19.4	78.5	46	0.138	46	Valve Closed
3/17/2020	40	30.27	768.86	R	0	-0.1	34	24.9	20.3	8	46.8	0	0	0	Valve Open, Broke
6/5/2020	70	31.15	791.21	S	-9.6	-0.7	-	0.6	5.7	14.7	79	29	0.174	30	Valve Broken

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 18 (DNR # 718)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
9/29/2020	54	29	736.6	S	-7.3	-0.4	61	2.6	5.4	17.4	74.6	22	0.572	22	Valve Broken
12/10/2020	40	29.94	760.476	S	-7.3	-0.3	44	0.1	0	21.2	78.7	0	0	0	Valve Broken
3/19/2021	57	30.5	774.7	R	-7.3	0	57	0	0	21.4	78.6	0	0	0	Valve Broken
6/16/2021	80	30.03	762.762	R	-8.6	-0.4	75	0	0	20.4	79.6	0	0	188	Valve Broken
9/13/2021	67	29.97	761.238	R	-8.2	-0.8	69	0	0	20.4	79.6	0	0	0	Valve Broken
12/2/2021	41	29.89	759.206	R	-3.5	6.556	58	0	0.1	20.7	79.2	172	0	172	Valve Broken
3/9/2022	16	29.96	760.984	R	0	-4.4	18.8	0	0.1	23.7	76.2	144.4	0	138.3	Valve Closed
6/9/2022	75	28.92	734.568	F	0	NA	79.5	0	0	20.3	79.7	140.8	0	142	Valve Closed
9/7/2022	73	29.13	739.902	R	-0.03	0.032	NA	0	0.1	20	79.9	8.4	0	7.9	Valve Open
11/22/2022	30	29.04	737.616	R	-2.38	2.613	34.9	8.3	21.8	9.9	60	99.3	8.2419	103.8	Valve Open
3/6/2023	32	28.99	736.346	F	-2.21	2.247	34.9	7.5	22.6	8.7	61.2	N/A	0	N/A	Valve Open
5/31/2023	81	28.86	733.044	R	-4.93	-4.92	86	0	0.1	19.9	80	132	0	133.8	Valve Broken
9/18/2023	55	28.98	736.092	F	-0.9	-0.9	81.5	0	0.1	21.6	78.3	30.4	0	29.9	Valve Closed
12/15/2023	38	29.24	742.696	F	-0.05	0.01	39.6	0.1	0.1	22.4	77.4	-	-	8.1	Valve Open

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 19 (DNR # 719)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-18.30	0.20	60.00	40.00	31.10	0.00	28.90	2	0.8		
2/17/2012	40	29.97 S			-17.9	0.1	58	32.5	28.1	0	39.4	1	0.3		
3/27/2012	68	28.54 R			-17.00	0.30	59.00	27.70	29.10	0.00	43.30				
4/18/2012	60	28.75			-17	-0.7	53	30.7	30.6	0.3	38.4	34	10.4		Valve Open
5/29/2012	60	28.65S			-17.1	-0.7	55	29	30.3	0.2	40.5	9	2.6		Valve Open
6/25/2012	77	28.98S			-10.6	-0.2	62	32.7	30	0.3	37	5	1.635		Valve Open
7/23/2012	92	28.80F			-9.5	-0.2	70	34.5	29.7	0.5	35.3	7	2.415		Valve Open
8/7/2012	85	28.86S			-8.8	-0.2	73	39.7	31	0.3	29	6	2.382	3	Valve Open
9/10/2012	69	28.89F			-4.6	0.2	70	30.9	29.2	0.3	39.6	5	1.545		Valve Open
10/1/2012	62	28.77S			-8.8	-0.3	63	26.4	29.5	0.2	43.9	4	1.056		
10/22/2012	60	28.76R						45.9	35.4	0.2	18.5				Blower Off
10/31/2012	40	30.00F						53.8	36.8	0	9.2				Blower Off
11/13/2012	36	30.15F						47.1	34.7	0.5	17.7				Blower Off
11/27/2012	25	30.20F						52.1	34.7	0.3	12.9				Blower Off
12/12/2012	24	29.90F						60.7	37.1	0.3	1.9				Blower Off
12/19/2012	28	29.99S						37	27.1	6.8	29.1				Blower Off
1/2/2013	14	29.95S						60.6	38.9	0.3	0.2				Blower Off
1/15/2013	22	29.00S						53.1	36.1	0.3	10.5				Blower Off
2/12/2013	26	29.90F			Broke off at base due to wind blowing metal box over										Blower Off
3/28/2013	32	30.34S			Broke off at base due to wind blowing metal box over										Blower Off
4/29/2013	55	28.60F			Broke off at base due to wind blowing metal box over										Blower Off
5/13/2013	50	28.81S			Broke off at base due to wind blowing metal box over										Blower Off
6/18/2013	65	28.93S			-2.6	-2	59	44.1	30.7	0	25.2	43	18.963	40	Valve Open
7/17/2013	90	29.09S			-5.9	-4.5	59	21.9	27.2	0.4	50.5	54	11.826	68	Valve Open
8/13/2013	70	29.02S			-1.9	-1.7	60	19.8	27.3	0.9	52	39	7.722	39	Valve Open
9/11/2013	82	28.86S			-1.7	-1.5	62	22.5	27.2	0.1	50.2	35	7.875	36	Valve Open
10/8/2013	64	28.73F			-1.5	-1.2	59	22	27.4	0.1	50.5	27	5.94	27	Valve Open
11/19/2013	26	29.01F			-1.6	-1.3	55	20.8	27.9	0.1	51.2	23	4.784	26	Valve Open
12/18/2013	26	28.62F			-0.2	0	44	38.9	32.9	0.1	28.1	19	7.391	19	Valve Open
1/15/2014	3	28.92F			-5.2	-4	54	17.3	29.3	0.8	52.6	60	10.38	62	Valve Open
2/18/2014	33	28.42S			-5.7	-4.6	53	14.3	25.7	0.2	59.8	68	9.724	63	Valve Open
3/11/2014	37	28.69R			-5.6	-4.5	53	12.2	25	0.1	62.7	58	7.076	64	Valve Open
4/22/2014	45	28.96S			Broke off at base due to wind blowing metal box over										Valve Open
5/14/2014	46	29.10S			-4	-2.7	54	17.2	23.6	0	59.2	45	7.74	52	Valve Open
6/16/2014	82	28.77S			-3.8	-2.5	58	20.3	20.4	1.3	58	57	11.571	55	Valve Open
7/15/2014	61	29.94F			-3.9	-2.6	58	20.6	24.6	0	54.8	49	10.094	42	Valve Open
8/5/2014	67	29.07S			-3.7	-2.3	60	22.2	24.2	0	53.6	36	7.992	36	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 19 (DNR # 719)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
9/19/2014	64	28.75F			-3.4	-2.3	59	20.3	25.4	0.1	54.2	35	7.105	35	Valve Open
10/9/2014	55	30.19S			-6.2	-3.8	57	20.1	25.5	0.1	54.3	50	10.05	51	Valve Open
11/25/2014	22	28.91R			-7.1	-4.3	56	17.4	27.1	0.3	55.2	48	8.352	52	Valve Open
12/18/2014	22	29.16S			-7.8	-4.4	56	18.2	26.7	0.2	54.9	54	9.828	56	Valve Open
1/19/2015	29	28.79F			-7.7	-4.2	54	18.3	26.8	0.2	54.7	51	9.333	45	Valve Open
3/20/2015	40	28.88S			-8	-4.6	54	18.8	26.4	0	54.8	63	11.844	62	Valve Open
4/7/2015	37	29.03S			-8.3	-4.6	54	18.5	26.3	0.1	55.1	61	11.285	57	Valve Open
5/5/2015	67	29.06S			-7.2	-2.9	56	8.5	12.3	5.7	73.5	46	3.91	50	Valve Open
6/16/2015	70	29.08S			-5.4	-4.8	57	14.3	23	0.1	62.6	57	8.151	57	Valve Open
7/15/2015	70	30.05S			-14.4	-1.1	86	34.7	19.6	6.1	39.6	50	17.35	49	Valve Closed
8/4/2015	75	28.89S			-7.5	-6.3	57	20.5	22.8	0.2	56.5	58	11.89	49	Valve Open
9/16/2015	80	28.75F			-6	-5.1	58	14.4	23.4	0.2	62	57	8.208	46	Valve Open
10/15/2015	54	28.90R			-5.4	-4.5	57	13.4	24.2	0.2	62.2	7	0.938		Valve Open
11/6/2015	42	29.99R			-6.6	-5.6	56	12.8	24.5	0.1	62.6	44	5.632		Valve Open
12/21/2015	36	28.70S			-5.2	-4.1	54	11.5	25	0.2	63.3			9	Valve Open
1/7/2016	32	29.98F			-4.7	-3.6	54	11.7	24.6	0.1	63.6	31	3.627	22	Valve Open
2/1/2016	26	28.87R			-5.1	-4.1	54	11.6	23.6	0.1	64.7	10	1.16		Valve Open
3/17/2016	40	28.69S			-6	-4.9	52	10	23.4	0.2	66.4				Valve Open
4/4/2016	33	29.23R			-6.4	-5.4	51	8.6	19.7	2.2	69.5	37	3.182	40	Valve Open
5/12/2016	46	28.89S			-6.3	-5.4	54	11.5	24	0.1	64.4	42	4.83	28	Valve Open
6/15/2016	70	28.65	727.71	F	2.1	3	56	12.8	23.9	0.1	63.2	56	7.168	21	Valve Open
7/21/2016	86	28.89	733.81	F	-5.7	-4.7	58	15.1	23.3	0.1	61.5	34	5.134	42	Valve Open
8/9/2016	82	28.84	732.54	S	-5.4	-4.3	60	17.1	24	0.1	58.8	27	4.617	34	Valve Open
9/20/2016	73	29.07	738.38	R	-5	-4.1	62	23.7	25.8	0.2	5.3	12	2.844	31	Valve Open
11/9/2016	58	29.13	739.90	F	-4.2	-3.4	60	22	26.7	0.1	51.2	21	4.62	13	Valve open
12/1/2016	33	28.78	731.01	R	-4.7	-4.1	57	17	27.8	0.5	54.7				Valve Open
1/3/2017	15	28.95	735.33	R	-4.2	-4.1	-	8.9	16.6	7.3	67.2				Valve Open
2/13/2017	44	28.78	731.01	F	-4.3	-4.3	74	13	22.5	0.4	64.1	19	2.47	11	Valve Open
3/28/2017	38	28.98	736.09	S	-5.9	-4.8	56	12.2	22.9	0.2	64.7	148	18.056	147	Valve Open
4/11/2017	34	30.25	768.35	S	-4.5	-4.8	55	11.1	23.7	0.2	65				Valve Open
5/8/2017	60	28.85	732.79	F	-9.4	-4.8	55	10.9	22	0.3	66.8	16	1.744	22	Valve Open
6/5/2017	77	30	762	S	-5.5	-4.8	73	16.9	21.9	0.2	61	30	5.07	22	Valve Open
7/21/2017	75	29.91	759.71	F	-5.7	-4.8	59	13.2	23.5	0.2	63.1	13	1.716	41	Valve Open
8/15/2017	65	30.01	762.25	S	-4.4	-5.8	59	11.9	22	0.3	65.8				Valve Open
9/26/2017	60	29.95	760.73	R	-4.5	-3.5	58	12.1	24	0.2	63.7				Valve Open
10/9/2017	48	28.95	735.33	S	1.4	1.4	64	7.1	9.1	13.7	70.1				Valve Open
11/2/2017	36	29.88	758.952	R	-4	-4	52	14.4	23.4	1.7	60.5	0			Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 19 (DNR # 719)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
12/1/2017	40	30.03	762.762	F	-4.1	-4.1	58	14.8	23.6	1	52	25	3.7	22	Valve Open
1/8/2018	26	29.97	761.238	R	-6.3	-5.2	59	17.9	25.7	0.6	55.8			11	Valve Open
2/15/2018	32	28.7	728.98	R	-7.3	-6.1	59	16.2	25.3	0.5	58	7			Valve Open
3/14/2018	25	28.89	733.806	S	-7.2	-5.8	58	9.8	15.6	7.6	67	11	1.078	31	Valve Open
4/12/2018	38	29.73	755.142	S	-8	-6.3	58	10.9	15.9	8.2	65			18	Valve Open
5/10/2018	48	30.07	763.78	S	-16.1	-6.4	58	0	0	21.1	78.9	29	0	19	Valve Closed
*6/19/2018	59	28.98	736.092	S	-3.6	0	65	58.5	33.8	0.2	7.5				Valve Open
7/10/2018	84	29.17	740.918	S	0	-0.1	77	5.4	3.7	18.5	72.4				Valve Closed
8/14/2018	67	29.98	761.49	S	0	-7.6	91	54.3	33.7	1.8	10.2				Valve Open
*9/24/2018	60	29.95	760.73	S	0.6	0.6	80	63.4	35.3	0.3	1	11	6.974	11	Valve Open
*10/15/2018	34	30.2	767.08	S	-0.3	-0.3	40	14.6	6.6	16.3	62.5				Valve Open
11/20/2018	19	30.1	764.54	F	0.2	0.2	32	59.1	39.4	0.3	1.2				Valve Open
12/28/2018	22	28.86	733.04	S	-1.1	-1.2	22	0.2	0.3	21.5	78	17	0.03	17	Valve Closed
*1/7/2019	37	29.51	749.55	S	-0.4	-2.2	39	59.6	39.5	0.8	0.1	27	16.09	27	Valve Open
2/13/2019	13	29.98	761.49	S	-14	-2.9	52	0	0.1	21.4	78.5	17	0.00		Valve Closed
3/20/2019	35	29.89	759.21	S	-10.6	-1.1	39	0.2	0.2	20.8	78.8	7	0.01	7	Valve Open
4/8/2019	60	29.74	755.40	F	0.1	0.1	65	52.1	31.5	1.5	14.9	26	13.55	26	Valve Open
5/14/2019	61	29.95	760.73	S	-13.7	-2.7	54	5.5	5.2	16.4	72.9	53	2.92	52	Valve Closed
6/18/2019	70	29.99	761.75	S	-0.2	-0.2	81	49.9	22.1	2.4	25.6	58	28.94	58	Valve Open
7/24/2019	71	30.2	767.08	F	-3	-5.8	59	3.6	4.4	16.2	75.8	54	1.94	52	Valve Closed
8/14/2019	70	30.08	764.03	S	-0.6	-0.6	72	10.6	6.3	16.9	66.2	52	5.51	52	Valve Open
9/20/2019	67	30.08	764.03	S	-0.3	-0.2	73	68.8	24.5	0.2	6.5	58	39.90	59	Valve Open
10/18/2019	52	29.79	756.67	S	-0.5	-0.5	55	57.3	36.7	0.6	5.4	51	29.22	51	Valve Open
11/22/2019	25	29.33	744.98	S	-3	-3.2	-	0.1	0.1	21.4	78.4	50	0.05	136	Valve Closed
12/4/2019	31	28.87	733.30	R	-7.9	-1.8	-	7.8	4.9	17.8	69.5	51	3.98	51	Valve Open
1/7/2020	23	30	762.00	R	-5.6	-1.1	-	34.7	25.6	6.6	33.1	50	17.35	85	Valve Open
2/25/2020	45	29.42	747.27	R	0	0	-	57.1	35.6	0.1	7.2	0	0.00	0	Valve Open
3/17/2020	40	30.27	768.86	R	0.2	0.1	48	54.8	27	2	16.2	0	0.00	0	Valve Open
4/21/2020	40	30.02	762.51	R	6.1	-3.3	44	0	0	21.8	78.2	40	0.00	28	Valve Closed
5/29/2020	77	29.91	759.71	F	-6.1	-1.3	-	0	0.1	21.1	78.8	0	0.00	0	Valve Closed
6/5/2020	70	31.15	791.21	S	3.8	-1.2	-	14.6	6.2	15.6	63.6	44	6.42	57	Valve Open
7/28/2020	72	29.92	759.968	S	-0.4	-1.9	60	0.2	0	20.6	79.2	17	0.03	17	Valve Closed
8/11/2020	73	30.01	762.254	S	-3.8	-0.1	72	26.4	20.3	5.5	47.8	28	7.39	66	Valve Open
9/29/2020	54	29	736.6	S	-9.4	-3.9	58	0.1	0.1	21.2	78.6	22	0.02	33	Valve Closed
10/6/2020	56	29.84	757.936	F	-1.4	0.3	77	43.1	33.1	0.2	23.6	20	8.62	34	Valve Open
11/5/2020	35	29.05	737.87	S	-1.9	-2.5	58	0.1	0	20.9	79	24	0.02	11	Valve Closed
12/10/2020	40	29.94	760.476	S	0	0	51	0.1	0.1	21.4	78.4	0	0.00	0	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 19 (DNR # 719)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/18/2021	21	29.9	759.46	R	-7.6	-0.4	26	0.1	0.1	22.2	77.6	0	0.00	0	Valve Closed
2/2/2021	20	30.32	770.128	F	-7.9	-0.2	23	0	0.1	22.6	77.3	0	0.00	0	Valve Closed
3/19/2021	57	30.5	774.7	R	-7.8	-0.2	53	0	0	21.4	78.6	0	0.00	0	Valve Closed
4/13/2021	35	28.94	735.08	R	0	-0.2	37	0.2	0.2	21.7	77.9	0	0.00	0	Valve Closed
5/19/2021	65	30.01	762.25	R	0	-0.1	72	0.1	0	20.8	79.1	0	0.00	0	Valve Closed
6/16/2021	80	30.03	762.762	R	0.1	0	89	0.2	0	21	78.8	15	0.03	15	Valve Closed
7/8/2021	85	29.98	761.492	R	0	-0.233	70	0.1	0.1	20.6	79.2				Valve Closed
8/10/2021	69	28.72	729.488	R	-0.7	-0.045	87	0.1	0	19.9	80	14	0.01	<<>>	Valve Closed
9/13/2021	67	29.97	761.238	R	-0.7	-0.7	75	0.6	3.8	12.8	82.8	4	0.02	3	Valve Closed
10/8/2021	63	29.9	759.46	R	-0.7	-0.082	66	0	0.1	20.5	79.4	<<>>		<<>>	Valve Closed
11/9/2021	42	30.14	765.556	R	0	0.004	60	0.3	1.7	17.9	80.1	2	0.01	4	Valve Closed
12/2/2021	41	29.89	759.206	R	0	-0.14	54	0	0.1	20.5	79.4	0	0.00	0	Valve Closed
1/31/2022	17	29.76	755.904	R	0.04	0.066	32.6	13.7	15.5	7.7	63.1	17	0	16.5	Valve Open
2/25/2022	5	30.36	771.144	R	-0.02	0	28.4	0	0.2	22.2	77.6	<<>>		<<>>	Valve Closed
3/9/2022	16	29.96	760.984	R	0	0.66	26.1	0	0.1	21.4	78.5	<<>>		<<>>	Valve Closed
4/4/2022	33	29.87	758.698	R	0	NA	N/A	0	0.2	21.3	78.5	N/A		N/A	Valve Closed
5/26/2022	46	28.83	732.282	R	0	NA	>>>>	0	0.1	21.7	78.2	0	0	9	Valve Closed
6/9/2022	75	28.92	734.568	F	0	NA	91.2	0	0.9	19.2	79.9	5	0	5.9	Valve Closed
7/28/2022	62	28.9	734.06	R	-0.01	-0.03	93.5	0	0	21.1	78.9	0	0	0	Valve Closed
8/8/2022	56	29.07	738.378	R	NA	-0.04	>>>>	0	0	21	79	6.4	0	6.2	Valve Closed
9/7/2022	73	29.13	739.902	R	0.04	0.008	NA	0	0	21	79	3.9	0	3.8	Valve Closed
10/10/2022	61	29.05	737.87	R	0.02	0.105	71.9	9.8	16.2	3.6	70.4	19.7	1.9306	19.8	Valve Open
11/22/2022	30	29.04	737.616	R	0.16	0.001	45.2	27.3	27.4	3.1	42.2	2.9	0.7917	2.2	Valve Open
12/29/2022	37	28.58	725.932	R	0	-0.005	42	4.5	4	19.8	71.7	N/A	0	N/A	Valve Closed
1/18/2023	32	28.99	736.346	F	0.06	0.011	32.2	0.8	2.8	18.6	77.8	7.7	0.0616	6.5	Valve Closed
2/21/2023	6	28.75	730.25	R	0.01	-0.033	25.5	0.1	0.3	23.2	76.4	N/A	0	N/A	Valve Closed
3/6/2023	32	28.99	736.346	F	0.05	0.032	41.4	29.3	30.3	2.7	37.7	N/A	0	N/A	Valve Opened
4/3/2023	38	29.05	737.87	S	-0.03	0.096	60.5	7.9	6.3	17.4	68.4	18.8	1.4852	19.4	Valve Open
5/22/2023	71	29.17	740.918	F	-0.08	0.002	88.8	0.6	0.8	18.9	79.7	1.8	0.0108	2.6	Valve Closed
5/31/2023	81	28.86	733.044	R	0	-0.01	99.6	0	0.1	19.7	80.2	13.8	0	11.8	Valve Closed
7/27/2023	90	28.82	732.028	R	0.01	0.002	99.6	2.2	2.7	16.8	78.3	2.8	0.0616	2.3	Valve Closed
8/8/2023	80	28.91	734.314	R	0	0	84.2	1	1.4	19.1	78.5	N/A	0	N/A	Valve Closed
9/18/2023	55	28.98	736.092	F	0.13	0.14	91.5	47.4	34.3	0.2	18.09	14.9	7.0626	15	Valve Closed
10/4/2023	65	28.79	731.266	F	-0.11	-0.12	67.8	6.1	5.3	18.1	70.5	6.1	0.3721	5.5	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 19 (DNR # 719)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
11/29/2023	40	28.74	729.996	S	-1.22	-1.24	67.9	27.1	20.9	8.9	43.1	6.9	1.8699	7.7	Valve Closed
12/15/2023	38	29.24	742.696	F	-1.56	-1.54	65.5	26.8	21.6	8.9	42.7	-	-	15.8	Valve Closed

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 20 (DNR # 720)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-14.60	0.10	40.00	33.50	26.00	0.00	28.90				
2/17/2012	40	29.97 S			-13.9	0.1	44	27.3	24.2	0	48.5				
3/27/2012	68	28.54 R			-12.00	0.70	50.00	22.70	23.30	0.20	53.30				
4/18/2012	60	28.75			-10.9	-0.1	55	25.5	26.1	0.3	48.1				Valve Open
5/29/2012	60	28.65S			-7.6	-0.1	62	24.8	21.9	2.9	50.4	5	1.24		Valve Open
6/25/2012	77	28.98S			0	0	82	0.4	0	20.9	78.7	0			Valve Closed
7/18/2012	74	28.76S			-3	-0.2	70	0	0	20.6	79.4	0			Valve Open
8/7/2012	85	28.86S			-5.3	-0.2	101	0.2	0	19.6	80.2	3	0.006		Valve Open
9/10/2012	69	28.89F			-2	-0.4	65	16.9	25.1	0.6	57.4	25	4.225		Valve Open
10/1/2012	62	28.77S			-4.1	-1.3	63	11.4	24.4	0.6	63.6	30	3.42		
10/22/2012	60	28.76R						52.5	37.4	1.8	8.3				Blower Off
10/31/2012	40	30.00F						40	25.5	0.2	34.3				Blower Off
11/13/2012	36	30.15F						7.3	13.4	5	74.3				Blower Off
11/27/2012	25	30.20F						32.6	26.2	0.2	41				Blower Off
12/19/2012	28	29.99S						0	0	21	79				Blower Off
1/15/2013	22	29.00S						27.8	24.2	0.3	47.7				Blower Off
2/12/2013	26	29.90F						18	19.3	1.8	60.9				Blower Off
3/28/2013	32	30.34S						47.8	29.1	0.2	22.9				Blower Off
4/29/2013	55	28.60F						27.4	21.1	1.9	49.6				Blower Off
5/13/2013	50	28.81S						61.2	29.3	0	9.5				Blower Off
6/18/2013	65	28.93S			-4.5	0	78	42.1	26	0	31.9				Valve Open
7/17/2013	90	29.09S			-2.1	-0.7	64	20.1	27	1.5	51.4	13	2.613	16	Valve Open
8/13/2013	70	29.02S			-0.4	-0.1	69	24	28	0.3	47.7	29	6.96	23	Valve Open
9/11/2013	82	28.86S			-1	-0.3	68	20.9	27.7	0.6	50.8	29	6.061	25	Valve Open
10/8/2013	64	28.73F			-1.4	-0.3	65	19.3	27.3	0.3	53.1	14	2.702	18	Valve Open
11/19/2013	26	29.01F			-1.1	-0.3	59	15.3	25.7	0.4	58.6	13	1.989	14	Valve Open
12/18/2013	26	28.62F			0	-0.1	43	42.9	27.3	0.1	29.7	27	11.583	31	Valve Open
1/15/2014	3	28.92F			-2	-0.6	55	10.9	25.3	0.5	63.3	28	3.052		Valve Open
2/18/2014	33	28.42S			-2.4	-1	55	11.3	21.4	0.8	66.5	32	3.616	28	Valve Open
3/11/2014	37	28.69R			-2.6	-1	53	6.5	20.6	0.8	72.1	24	1.56	38	Valve Open
4/22/2014	45	28.96S			-3.7	-1.4	53	7.3	19.2	1.6	71.9	43	3.139	33	Valve Open
5/14/2014	46	29.10S			-0.4	-0.4	60	0.4	0.6	21.3	77.7	24	0.096	24	Valve Open
6/16/2014	82	28.77S			0	0	97	25.1	18.7	0.1	56.1	39	9.789	39	Valve Open
7/15/2014	61	29.94F			-0.2	-0.2	74	24.3	15.3	7.5	52.9	32	7.776	32	Valve Open
8/5/2014	67	29.07S			-0.1	-0.1	89	37.1	22.9	1.3	38.7	35	12.985	35	Valve Open
9/19/2014	64	28.75F			0	0	69	53	25.9	0	21.1	3	1.59	4	Valve Open
10/9/2014	55	30.19S			-0.2	-0.2	68	0.4	0.4	21.5	77.7	11	0.044	11	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 20 (DNR # 720)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
11/25/2014	22	28.91R			-0.3	-0.3	31	0.1	0.4	22.7	76.8				Valve Open
12/18/2014	22	29.16S			0.1	0.1	25	42.4	26	0	31.6				Valve Open
1/19/2015	29	28.79F			0.1	0.1	31	49.1	27.4	0	23.5	43	21.113	42	Valve Open
3/20/2015	40	28.88S			0	0	43	34.3	22.9	1.7	41.1	21	7.203	21	Valve Open
4/7/2015	37	29.03S			0	0	42	39.8	24	1.6	34.6				Valve Open
5/5/2015	67	29.06S			-0.8	-0.7	59	13.8	19.1	2.3	64.8	37	5.106		Valve Open
6/16/2015	70	29.08S			-1.6	-1.6	81	0.2	0.1	21.4	78.3	49	0.098	48	Valve Open
7/15/2015	70	30.05S			-1.6	-1.6	83	18.4	18.3	3.5	59.8	47	8.648	47	Valve Open
8/4/2015	75	28.89S			-1.7	-1.7	87	22.5	18.7	2.8	56	52	11.7	52	Valve Open
9/16/2015	80	28.75F			-1.6	-1.5	87	18.4	17.8	4.8	59	48	8.832	48	Valve Open
10/15/2015	54	28.90R			-0.7	-0.7	64	14.5	16.3	6.4	62.8	6	0.87	6	Valve Open
11/6/2015	42	29.99R			-1.9	-1.9	57	9.8	12	10	68.2	28	2.744	28	Valve Open
12/21/2015	36	28.70S			-0.6	-0.5	45	4.8	11.2	10.7	73.3				Valve Open
1/7/2016	32	29.98F			0	0	34	0.1	0.1	21.7	78.1	11	0.011	12	Valve Open
2/1/2016	26	28.87R			-0.4	-0.4	42	5.2	12.8	8	74	16	0.832	12	Valve Open
3/17/2016	40	28.69S			-1.5	-1.4	59	13.2	21.1	1	64.7			21	Valve Open
4/4/2016	33	29.23R			-2	-1.8	56	12.4	20.9	1	65.7	44	5.456	35	Valve Open
5/12/2016	46	28.89S			-2.1	-2	58	15.8	22	0.7	61.5	38	6.004	46	Valve Open
6/15/2016	70	28.65	727.71	F	-1.4	-1.5	61	17	22.5	0.4	60.1	34	5.78	45	Valve Open
7/21/2016	86	28.87	733.30	F	-0.6	-0.7	67	15.6	22	0.5	61.9	32	4.992	32	Valve Open
8/9/2016	82	28.85	732.79	S	-0.9	-0.7	68	17.9	23.3	0.4	58.4	25	4.475	26	Valve Open
9/20/2016	73	29.06	738.12	R	-0.6	-0.5	69	36.2	26.7	0.2	36.9	17	6.154	25	Valve Open
11/9/2016	58	29.14	740.16	F	0	-0.1	63	39.4	26.2	0	34.4	17	6.698	16	Valve Open
12/1/2016	33	28.77	730.76	R	-1	-0.8	56	19.5	25.2	1.2	54.1				Valve Open
1/16/2017	23	28.95	735.33	R	0	0	-	32.4	23.9	0.9	42.8	62	20.088	66	Valve Open
2/13/2017	44	28.78	731.01	F	0.3	0.3	54	28.9	22.9	0.3	47.9				Valve Open
3/28/2017	38	28.98	736.09	S	-1.6	-1.4	56	10.3	19.3	2.1	68.3	38	3.914	28	Valve Open
4/11/2017	34	30.25	768.35	S	-1.2	-1.4	56	8.5	19.2	3.3	69			10	Valve Open
5/8/2017	60	28.85	732.79	F	0	0	76	0.1	0	20.6	79.3	14	0.014	14	Valve Closed
6/5/2017	77	30	762	S	-1.7	-1.5	60	19.7	20.8	0.5	59	42	8.274	23	Valve Closed
7/21/2017	75	29.91	759.71	F	-1.1	-6.9	64	11	20.5	1.8	66.7	16	1.76	23	Valve Open
8/15/2017	65	30.01	762.25	S	-1.2	-5.4	67	7.3	16.2	4.1	72.4	36	2.628	26	Valve Open
9/6/2017	60	30.14	765.56	S	0.2	-4.8	67	8	18.4	3	70.6				Valve Open
10/9/2017	48	28.95	735.33	S	1.4	1.4	72	0.3	0.2	20.5	79				Valve Open
11/2/2017	36	29.88	758.95	R	-0.5	-0.5	47	0.1	0	21.4	78.5				Valve Open
12/1/2017	40	30.03	762.762	F	-1.7	-1.7	66	8.2	19.3	3.2	69.3	25	2.05	32	Valve Open
*1/8/2018	26	29.97	761.238	R	-0.1	-0.1	42	18	20.8	5.7	55.5				Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 20 (DNR # 720)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
2/15/2018	32	28.7	728.98	R	-0.4	-0.4	44	12.4	7.6	15.1	64.9				Valve Open
3/14/2018	25	28.89	733.806	S	0	0	47	38.7	26.3	0.1	34.9				Valve Open
4/12/2018	38	29.73	755.142	S	-0.3	-0.3	47	22.7	12.8	11.1	53.4				Valve Open
5/10/2018	48	30.07	763.778	S	0	-4	64	0.7	4.7	18.2	76.4				Valve Closed
*6/19/2018	59	28.98	736.092	S	0	0	63	52.7	25.8	1.7	19.8				Valve Open
7/10/2018	84	29.17	740.918	S	0	0	76	0.2	7.8	14.1	77.9				Valve Closed
8/14/2018	67	29.98	761.492	S	0.1	0.1	94	43.2	24	1.5	31.3				Valve Open
*9/24/2018	60	29.95	760.73	S	0.4	0.4	83	61.3	27.6	0.3	10.8	15	9.195	16	Valve Open
*10/15/2018	34	30.2	767.08	S	-0.2	-0.2	46	36.4	20.5	8	35.1	18	6.552	17	Valve Open
11/20/2018	19	30.1	764.54	F	0.2	0.2	35	44	27.2	0.4	28.4				Valve Open
12/28/2018	22	28.86	733.04	S	-1.2	-1	22	10.6	9	15.6	64.8	19	2.01	19	Valve Open
*1/7/2019	37	29.51	749.55	S	-0.6	-0.6	39	61.6	31.3	1.2	5.9	47	28.95	47	Valve Open
2/13/2019	13	29.98	761.49	S	0.1	0	32	48.6	26.8	0.2	24.4	84	40.82	89	Valve Open
3/20/2019	35	29.89	759.21	S	-0.1	-0.1	39	25.8	13.1	11.6	49.5	7	1.81	7	Valve Open
4/8/2019	60	29.74	755.40	F	0.1	0.1	67	46.5	25.5	0.3	27.7	26	12.09	26	Valve Open
5/14/2019	61	29.95	760.73	S	-0.4	-0.6	78	0.1	0.6	19.8	79.5	53	0.05	52	Valve Closed
6/18/2019	70	29.99	761.75	S	-4.3	-0.5	84	3	1.8	18.7	76.5	54	1.62	54	Valve Closed
7/24/2019	71	30.2	767.08	F	-0.6	-0.6	86	0.3	0.1	19.5	80.1	54	0.16	54	Valve Closed
8/14/2019	70	30.08	764.03	S	-5.1	-0.9	77	0.1	0	20	79.9	52	0.05	52	Valve Closed
9/20/2019	67	30.08	764.03	S	-0.3	-0.3	86	37.3	24.9	3.2	34.6	56	20.89	56	Valve Open
10/18/2019	52	29.79	756.67	S	3.2	-1.5	60	0.1	0	20.6	79.3	49	0.05	49	Valve Closed
11/22/2019	25	29.33	744.98	S	-1.8	-0.5	-	8	7.9	14.1	70	44	3.52	45	Valve Open
12/4/2019	31	28.87	733.30	R	-0.7	-0.7	-	0.1	0.7	20.5	78.7	46	0.05	46	Valve Closed
1/7/2020	23	30	762.00	R	-0.7	-0.7	-	21.9	11.7	13.2	53.2	46	10.07	47	Valve Open
2/25/2020	45	29.42	747.27	R	0	0	-	41.6	23.9	2.4	32.1	0	0.00	0	Valve Open
3/17/2020	40	30.27	768.86	R	0	0	47	38.4	23.4	2.2	36	0	0.00	0	Valve Open
4/21/2020	40	30.02	762.51	R	-0.1	-0.3	48	0	0	22.1	77.9	0	0.00	0	Valve Open
5/29/2020	77	29.91	759.71	F	0	-0.4	-	0	0	21.4	78.6	0	0.00	0	Valve Closed
6/5/2020	70	31.15	791.21	S	0	-0.2	-	0.7	0.3	20.8	78.2	16	0.11	16	Valve Closed
7/28/2020	72	29.92	759.968	S	-0.3	-4.5	102	54.5	24.4	1	20.1	13	7.09	8	Valve Open
8/11/2020	73	30.01	762.254	S	-1.3	-0.2	68	0.1	0	20.5	79.4	20	0.02	66	Valve Closed
9/29/2020	54	29	736.6	S	-0.4	0	74	45.9	26.5	0.4	27.2	29	13.31	31	Valve Opened
10/6/2020	56	29.84	757.936	F	0	0	65	16.9	9.8	12.4	60.9	25	4.23	16	Valve Open
11/5/2020	35	29.05	737.87	S	0	0	58	6.7	5.3	17.1	70.9	0	0.00	0	Valve Open
12/10/2020	40	29.94	760.476	S	-1.4	-0.5	56	0.1	0.1	21.2	78.6	0	0.00	0	Valve Closed
1/18/2021	21	29.9	759.46	R	-0.3	-0.3	24	0.1	0.1	21	78.8	0	0.00	0	Valve Closed
2/2/2021	20	30.32	770.128	F	-2.4	0	24	0.8	0.7	21.7	76.8	0	0.00	0	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 20 (DNR # 720)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
3/19/2021	57	30.5	774.7	R	-0.6	-0.2	59	0	0	21.4	78.6	0	0.00	0	Valve Closed
4/13/2021	35	28.94	735.08	R	0	-0.2	35	0	0.1	21.7	78.2	0	0.00	0	Valve Closed
5/19/2021	65	30.01	762.25	R	0	0	71	7.6	4.3	17.2	70.9	0	0.00	0	Valve Closed
6/16/2021	80	30.03	762.762	R	0.1	0	88	50.7	20.3	1	28	12	6.08	8	Valve Closed
7/8/2021	85	29.98	761.492	R	0	0.009	80	4.1	2	18.7	75.2				Valve Closed
8/10/2021	69	28.72	729.488	R	-0.7	0	76	50.5	24.3	1.3	23.9	5	2.53	1	Valve Open
9/13/2021	67	29.97	761.238	R	-0.5	-0.5	75	55.8	26.1	0.1	18	11	6.14	11	Valve Open
10/8/2021	63	29.9	759.46	R	-0.7	-0.008	63	10.4	5.1	16.4	68.1	<<>>		<<>>	Valve Open
11/9/2021	42	30.14	765.556	R	-0.6	-0.062	58	48.3	26.4	0.6	24.7	13	6.28	0	Valve Open
12/2/2021	41	29.89	759.206	R	-0.1	-0.056	58	0	0.1	20.9	79	0	0.00	0	Valve Closed
1/31/2022	17	29.76	755.904	R	0.07	1.331	29.5	43.9	24.9	1.6	29.6	80.2	0	79.9	Valve Open
2/25/2022	5	30.36	771.144	R	-0.07	-0.09	30.5	1	3.5	19.4	76.1	77.7	0	83.1	Valve Closed
3/9/2022	16	29.96	760.984	R	0	-0.41	34.3	20.4	18	4.6	57	29	0	30.7	Valve Open
4/4/2022	33	29.87	758.698	R		NA	37.5	0	0.1	22.8	77.1	33.6	0	33.5	Valve Closed
5/26/2022	46	28.83	732.282	R	0	NA	>>>>	22.5	22.5	1.6	53.4	2.7	0.6075	5.3	Valve Open
6/9/2022	75	28.92	734.568	F	0	NA	58.2	18.1	18.3	3.8	59.8	28	5.068	16.3	Valve Open
7/28/2022	62	28.9	734.06	R	0	-0.03	73.7	1.6	2.4	19.2	76.8	9.7	0.1552	9.7	Valve Closed
8/8/2022	56	29.07	738.378	R	NA	-0.01	>>>>	37.1	21.2	3.6	38.1	3.1	1.1501	3.4	Valve Closed
9/7/2022	73	29.13	739.902	R	0.07	0.056	NA	8.4	10	8.3	73.3	9.8	0.8232	10.6	Valve Closed
10/10/2022	61	29.05	737.87	R	0.09	0.027	65.2	48.8	25	0.3	25.9	10.4	5.0752	10.7	Valve Open
11/22/2022	30	29.04	737.616	R	-0.02	0.089	57.4	31.3	22.3	13.6	32.8	N/A	0	18.9	Valve Open
12/29/2022	37	28.58	725.932	R	0.04	0.073	47.3	0	0.1	22.9	77	16.6	0	17.1	Valve Closed
1/18/2023	32	28.99	736.346	F	0.04	0.001	34.8	30.7	22.5	2.1	44.7	4.8	1.4736	2.3	Valve Closed
2/21/2023	6	28.75	730.25	R	0.11	-0.004	24.3	45.4	24.2	3.6	26.8	N/A	0	N/A	Valve Opened
3/6/2023	32	28.99	736.346	F	0.02	-0.12	37.5	41.9	18.4	15.5	24.2	1.5	0.6285	3	Valve Opened
4/3/2023	38	29.05	737.87	S	-0.1	0.003	55.2	13.7	7.8	15.8	62.7	4	0.548	3.3	Valve Open
5/22/2023	71	29.17	740.918	F	-0.01	0.001	87.2	50.4	22.6	2.8	24.2	3.8	1.9152	2.2	Valve Open
5/31/2023	81	28.86	733.044	R	0.02	0.02	94.9	34.1	20.4	2.9	42.6	1.5	0.5115	1.5	Valve Open
7/27/2023	90	28.82	732.028	R	0.12	-0.005	99.3	55.6	24.7	0.4	19.3	<<>>	0	<<>>	Valve Open
8/8/2023	80	28.91	734.314	R	0	0	87.5	53.9	24.2	0.3	21.59	N/A	0	N/A	Valve Open
9/18/2023	55	28.98	736.092	F	0.16	0.16	78.5	53.6	24.9	0.2	21.29	17.5	9.38	16.1	Valve Open
10/4/2023	65	28.79	731.266	F	-0.04	-0.04	67.8	54.9	25.7	0.7	18.7	7.3	4.0077	6.8	Valve Open
11/29/2023	40	28.74	729.996	S	0.07	0.04	51.3	51.8	26.2	0.5	21.5	-	-	-	Valve Closed
12/15/2023	38	29.24	742.696	F	-0.01	-0.02	41.8	45.9	24.7	0.6	28.79	2.8	1.2852	3.3	Valve Closed

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 21 (DNR # 721)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
1/10/2012	48	29.85 F			-17.80	0.10	62.00	32.80	28.30	0.00	38.90				
2/17/2012	40	29.97 S			-17	0.1	58	29.1	26.4	0	44.5				
3/27/2012	68	28.54 R			-16.00	1.10	62.00	17.20	24.10	0.20	58.80				
4/18/2012	60	28.75			-10.7	0	54	25	24.1	0.7	50.2				Valve Open
5/29/2012	60	28.65S			-10.9	-0.3	56	2.5	3.2	20.6	73.7				Valve Open
6/25/2012	77	28.98S			-4.7	-0.9	59	21.8	27.2	0.6	50.4	31	6.758		Valve Open
7/18/2012	74	28.76S			-8.6	-1.5	61	19.8	27.5	0.7	52	32	6.336		Valve Open
8/7/2012	85	28.86S			-6.9	-1.3	71	21.1	27.7	0.5	50.7	32	6.752	36	Valve Open
9/10/2012	69	28.89F			-3.1	-0.6	68	14.4	25.4	0.5	59.7	25	3.6		Valve Open
10/1/2012	62	28.77S			-6.1	-1.4	68	11	24.9	0.6	63.5	36	3.96		
10/22/2012	60	28.76R						40.4	31.1	3.3	25.2				Blower Off
10/31/2012	40	30.00F						44	29.4	0.2	26.4				Blower Off
11/13/2012	36	30.15F						6	17.1	2.4	74.5				Blower Off
12/19/2012	28	29.99S						0	0	21.6	78.4				Blower Off
1/2/2013	14	29.95S						61.2	33	0.3	5.5				Blower Off
1/15/2013	22	29.00S						21.6	26	0.3	52.1				Blower Off
2/8/2013	16	30.36S						6.2	13.3	7	73.5				Blower Off
2/12/2013	26	29.90F						13	23.4	0.2	63.4				Blower Off
3/28/2013	32	30.34S						44.5	30.3	0.3	24.9				Blower Off
4/29/2013	55	28.60F						27.3	24.3	0.1	48.3				Blower Off
5/13/2013	50	28.81S						52.8	30.4	0	16.8				Blower Off
6/18/2013	65	28.93S			-0.4	-0.2	62	44.4	31.2	0.2	24.2	5	2.22	6	Valve Open
7/17/2013	90	29.09S			-2.4	-0.6	65	21.7	28.7	0.1	49.5				Valve Open
8/13/2013	70	29.02S			-0.9	-0.1	66	24.1	29.1	0.1	46.7	26	6.266	27	Valve Open
9/11/2013	82	28.86S			-0.5	-0.2	73	32.2	29.3	0.1	38.6	18	5.796	18	Valve Open
10/8/2013	64	28.73F			-1.5	-0.5	64	18.2	29	0.1	52.7	19	3.458	17	Valve Open
11/19/2013	26	29.01F			-1.2	-0.2	61	15.8	26.7	0.1	57.4				Valve Open
12/18/2013	26	28.62F			0	0	32	57.4	32	0.1	10.5	40	22.96	40	Valve Open
1/15/2014	3	28.92F			-2.8	-0.7	60	10.7	25.6	1.1	62.6	31	3.317	33	Valve Open
2/18/2014	33	28.42S			-0.9	-0.5	55	12.8	22.4	0.3	64.5	24	3.072	32	Valve Open
3/11/2014	37	28.69R			-0.9	-0.6	53	7.7	20.6	1.6	70.1	15	1.155	29	Valve Open
4/22/2014	45	28.96S			-4.8	-1.8	58	9.6	21.2	0.6	68.6	38	3.648	55	Valve Open
5/14/2014	46	29.10S			-1.3	-0.6	55	18.1	23.2	0	58.7	35	6.335	33	Valve Open
6/16/2014	82	28.77S			-0.2	-0.1	62	38.7	23.9	0.1	37.3	42	16.254	39	Valve Open
7/15/2014	61	29.94F			-0.5	-0.4	61	36.7	25.3	0.1	37.9	32	11.744	34	Valve Open
8/5/2014	67	29.07S			-0.4	-0.3	65	31.7	25.6	0.1	42.6	35	11.095	35	Valve Open
9/19/2014	64	28.75F			-0.6	-0.4	63	18	24	0.2	57.8				Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 21 (DNR # 721)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
10/9/2014	55	30.19S			-0.9	-0.6	63	15.1	23.2	0.9	60.8	10	1.51	32	Valve Open
11/25/2014	22	28.91R			-0.5	-0.5	43	11.2	22.3	3.5	63				Valve Open
12/18/2014	22	29.16S			0	0	28	39.8	27.9	2	30.3				Valve Open
1/19/2015	29	28.79F			0.1	0.1	31	57	32.4	0.4	10.2				Valve Open
3/20/2015	40	28.88S			0	0	43	32.1	20.5	8.3	39.1	20	6.42	20	Valve Open
4/7/2015	37	29.03S			0	0	42	33.8	21.3	7.8	37.1	26	8.788	26	Valve Open
5/5/2015	67	29.06S			-0.2	-0.2	78	0.4	0.3	21.5	77.8	25	0.1	25	Valve Open
6/16/2015	70	29.08S			-2.7	-2.4	73	9.2	19.1	1.9	69.8	57	5.244	60	Valve Open
7/15/2015	70	30.05S			-1.8	-1.8	88	0	0.6	19.3	80.1	45	0	45	Valve Open
8/4/2015	75	28.89S			-4.3	-3.8	71	8.4	19.6	1.7	70.3	74	6.216	74	Valve Open
9/16/2015	80	28.75F			-2.6	-2.8	76	9.2	20.3	1.2	69.3	55	5.06	55	Valve Open
10/15/2015	54	28.90R			-2	-1.8	73	8.7	21.8	1.1	68.4	33	2.871	23	Valve Open
11/6/2015	42	29.99R			-3.5	-3.1	73	9.1	21.6	1.5	67.8	36	3.276	41	Valve Open
12/21/2015	36	28.70S			-1.7	-1.3	63	11	23.3	1.4	64.3	22	2.42		Valve Open
1/7/2016	32	29.98F			-1.4	-1.2	62	8.4	21.4	1.3	68.9			49	Valve Open
2/1/2016	26	28.87R			-2.1	-1.4	63	6.6	19.7	2.1	71.6	23	1.518	19	Valve Open
3/17/2016	40	28.69S			-0.5	-0.5	42	0	0.1	21.5	78.4				Valve Open
4/4/2016	33	29.23R			-0.9	-0.9	42	0.2	0.3	21.3	78.2	34	0.068	34	Valve Open
5/12/2016	46	28.89S			-1	-1	60	1.9	2.2	19.6	76.3	37	0.703	37	Valve Open
6/15/2016	70	28.65	727.71	F	-0.7	-0.7	77	14.8	19.4	7.3	58.5	77	11.396	79	Valve Open
7/21/2016	86	28.89	733.81	F	-0.2	-0.2	100	5.6	4.3	16.7	73.4	28	1.568	28	Valve Open
8/9/2016	82	28.84	732.54	S	0	0	89	17.9	12.9	10.3	58.9	22	3.938	22	Valve Open
9/20/2016	73	29.05	737.87	R	0	0.1	90	14.4	9.2	13.3	63.4	23	3.312	23	Valve Open
11/9/2016	58	29.15	740.41	F	0	-0.5	62	0.2	0.1	20.3	79.4			15	Valve Closed
12/1/2016	33	28.77	730.76	R		-0.8	38	1.4	1.8	19.4	77.4				Valve Closed
1/16/2017	23	28.95	735.33	R	-20.4	-4.3	-	0.4	0.2	21.5	77.9	262	1.048	122	Valve Closed
2/13/2017	44	28.8	731.52	F	0	-0.1	62	39.5	29	0.3	31.2	33	13.035	40	Valve Open
3/28/2017	38	29.12	739.65	S	-0.9	-0.9	50	0	0	21.1	78.9				Valve Closed
4/11/2017	34	30.25	768.35	S	-0.8	-0.8	45	0	0.1	20.7	79.2		0		Valve Closed
5/8/2017	60	28.85	732.79	F	0	0	72	0.8	0.9	20.2	78.1	13	0.104	13	Valve Closed
6/5/2017	77	30	762	S	-0.6	-0.6	78	0	0	20.7	79.3	13	0	13	Valve Open
7/21/2017	75	29.91	759.71	F	-0.2	-0.2	73	0	0	20.1	79.9	4	0	3	Valve Closed
8/15/2017	65	30.01	762.25	S	-0.3	-0.3	79	0.1	0	19.7	80.2	21	0.021	20	Valve Closed
9/6/2017	60	30.14	765.56	S	1.1	-2.7	69	0.2	0.2	20.1	79.5				Valve Closed
10/9/2017	48	28.95	735.33	S	1.4	1.4	62	5.2	3.2	18	73.6				Valve Open
11/2/2017	36	29.88	758.95	R	-0.5	-0.5	38	0	0	21.5	78.5				Valve Open
12/1/2017	40	30.03	762.762	F	-0.1	-0.1	48	0.1	0	21.2	78.7	14	0.014	14	Valve Open

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 21 (DNR # 721)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
*1/8/2018	26	29.97	761.238	R	-0.1	-0.1	39	1.6	1.7	20.3	76.4				Valve Open
2/15/2018	32	28.7	728.98	R	-0.4	-0.3	39	0.1	0	19.8	80.1				Valve Closed
3/14/2018	25	28.89	733.806	S	-1.2	0	52	45.8	29.9	0.9	23.4			72	Valve Open
4/12/2018	38	29.73	755.142	S	-0.1	0	46	1.5	1.5	20.7	76.3				Valve Closed
5/10/2018	48	30.07	763.778	S	-0.2	-2.6	61	0.1	0	21	78.9				Valve Closed
*6/19/2018	59	28.98	736.092	S	0	0	63	47.3	29.2	1.2	22.3				Valve Open
7/10/2018	84	29.17	740.918	S	0	0	76	0.1	1.4	19.5	79				Valve Closed
8/14/2018	67	29.98	761.492	S	0	0	92	8.6	9.1	12.4	69.9	5	0.43	5	Valve Closed
*9/24/2018	60	29.95	760.73	S	0	0	83	23.1	23.6	2	51.3	15	3.465	15	Valve Open
*10/15/2018	34	30.2	767.08	S	-0.2	-0.2	41	16.6	11.7	14.5	57.2				Valve Open
11/20/2018	19	30.1	764.54	F	0.1	0	33	40.6	28.4	4	27				Valve Open
12/28/2018	22	28.86	733.04	S	-0.9	-1.3	22	0.6	1.7	21.3	76.4	20	0.12	20	Valve Closed
*1/7/2019	37	29.51	749.55	S	-0.6	-0.6	38	56	32.8	1.8	9.4	45	25.20	45	Valve Open
2/13/2019	13	29.98	761.49	S	0	0	29	46.3	29.5	2.8	21.4	88	40.74	89	Valve Open
3/20/2019	35	29.89	759.21	S	-0.1	-0.1	38	67.4	31.9	0.5	0.2	9	6.07	9	Valve Open
4/8/2019	60	29.74	755.40	F	0	0	67	33.6	22.2	6.2	38	25	8.40	25	Valve Open
5/14/2019	61	29.95	760.73	S	-0.5	-0.6	74	0.1	0.1	20.1	79.7	53	0.05	53	Valve Closed
6/18/2019	70	29.99	761.75	S	-0.4	-0.5	77	0.2	0	20.6	79.2	54	0.11	54	Valve Closed
7/24/2019	71	30.2	767.08	F	-0.5	-0.5	90	0.4	0.6	20.2	78.8	53	0.21	53	Valve Closed
8/14/2019	70	30.08	764.03	S	-1	-0.9	80	14.7	11.7	11.7	61.9	54	7.94	56	Valve Open
9/20/2019	67	30.08	764.03	S	-0.4	-0.4	88	49.1	29.2	0.7	21	55	27.01	55	Valve Open
10/18/2019	52	29.79	756.67	S	-0.4	-0.4	61	1.2	4.7	17.8	76.3	49	0.59	49	Valve Closed
11/22/2019	25	29.33	744.98	S	-0.6	-0.6	-	5.3	10.1	15.3	69.3	44	2.33	44	Valve Open
12/4/2019	31	28.87	733.30	R	-0.6	-0.6	-	15.1	12.8	12.5	59.6	47	7.10	47	Valve Open
1/7/2020	23	30	762.00	R	-0.6	-0.7	-	18.4	12.8	13	55.8	52	9.57	51	Valve Open
2/25/2020	45	29.42	747.27	R	0	0	-	14.3	13.7	10.9	61.1	0	0.00	0	Valve Open
3/17/2020	40	30.27	768.86	R	0	0	44	23.7	15.9	9.5	50.9	0	0.00	0	Valve Open
4/21/2020	40	30.02	762.51	R	0	0	46	17.5	12.1	11.2	59.2	0	0.00	0	Valve Open
5/29/2020	77	29.91	759.71	F	0	0	-	2.8	1.9	19.4	75.9	0	0.00	0	Valve Closed
6/5/2020	70	31.15	791.21	S	0	0	-	0.5	0.2	20.5	78.8	6	0.03	7	Valve Closed
7/28/2020	72	29.92	759.968	S	0.1	0	93	46.2	24.2	2.9	26.7	13	6.01	13	Valve Open
8/11/2020	73	30.01	762.254	S	0	0	93	0.8	1.3	19.2	78.7	21	0.17	94	Valve Closed
9/29/2020	54	29	736.6	S	0	-0.1	72	39.8	26.5	2.5	31.2	29	11.54	29	Valve Opened
10/6/2020	56	29.84	757.936	F	0	0	76	2.5	5.4	16	76.1	15	0.38	15	Valve Closed
11/5/2020	35	29.05	737.87	S	0	0	72	0.2	0.5	20.9	78.4	25	0.05	6	Valve Closed
12/10/2020	40	29.94	760.476	S	0	-0.1	52	0.2	2.2	20.1	77.5	0	0.00	0	Valve Closed
1/18/2021	21	29.9	759.46	R	0	-0.2	30	0.4	2.8	21.4	75.4	0	0.00	0	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 21 (DNR # 721)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
2/2/2021	20	30.32	770.128	F	-0.1	0	24	0.2	4.3	20.3	75.2	0	0.00	0	Valve Closed
3/19/2021	57	30.5	774.7	R	-1.3	-0.2	48	0	0	21.4	78.6	0	0.00	0	Valve Closed
4/13/2021	35	28.94	735.08	R	0	0	41	1	11	12.2	75.8	0	0.00	0	Valve Closed
5/19/2021	65	30.01	762.25	R	0	0	74	21.7	15.3	9	54	0	0.00	0	Valve Open
6/16/2021	80	30.03	762.762	R	0.1	0.1	97	13.6	11.5	11	63.9	18	2.45	19	Valve Open
7/8/2021	85	29.98	761.492	R	0	-0.087	75	7.4	9.5	13.3	69.8				Valve Closed
8/10/2021	69	28.72	729.488	R	-0.6	0.013	77	39.3	27.1	1.5	32.1	7	2.75	7	Valve Open
9/13/2021	67	29.97	761.238	R	-0.6	-0.6	75	43.3	25.6	2.7	28.4	9	3.90	9	Valve Open
10/8/2021	63	29.9	759.46	R	-0.7	-0.048	63	9	5.1	16.9	69	<<>>		<<>>	Valve Open
11/9/2021	42	30.14	765.556	R	-0.7	-0.083	60	11.7	11.8	12.8	63.7	0	0.00	0	Valve Open
12/2/2021	41	29.89	759.206	R	0	-0.05	44	7	10.4	12.7	69.9	0	0.00	0	Valve Open
1/31/2022	17	29.76	755.904	R	0.02	1.322	30.4	1.5	6.9	17.8	73.8	75.4	0	75.4	Valve Closed
2/25/2022	5	30.36	771.144	R	-0.01	0	27.5	0	2.8	22.1	75.1	<<>>		<<>>	Valve Closed
3/9/2022	16	29.96	760.984	R	0	-0.03	25.9	0	2.2	22	75.8	63.5	0	63.6	Valve Closed
4/4/2022	33	29.87	758.698	R		NA	36	0	1.6	21.4	77	21.4	0	84.6	Valve Closed
5/11/2022	70	29.1	739.14	R	0	NA	79.4	0.4	1.5	20.8	77.3	36.5	0.146	51.8	Valve Closed
6/9/2022	75	28.92	734.568	F	0	NA	>>>>	0	1.6	19.8	78.6	1	0	2.2	Valve Closed
7/28/2022	62	28.9	734.06	R	-0.02	-0.04	70.1	0	0.2	20.9	78.9	0	0	0	Valve Closed
8/8/2022	56	29.07	738.378	R	NA	-0.02	>>>>	18.7	13.6	10.7	57	1.9	0.3553	1.7	Valve Closed
9/7/2022	73	29.13	739.902	R	0.09	0.068	NA	20.5	14.1	8.5	56.9	12	2.46	11.9	Valve Closed
10/10/2022	61	29.05	737.87	R	0.02	0.03	81.1	46.2	26.8	1.4	25.6	11	5.082	10.8	Valve Open
11/22/2022	30	29.04	737.616	R	-0.02	0.01	34.2	1.1	10.6	15.7	72.6	5.1	0.0561	6.2	Valve Closed
12/29/2022	37	28.58	725.932	R	0.06	2.002	42.9	2.3	10	14.5	73.2	92.2	2.1206	91.5	Valve Closed
1/18/2023	32	28.99	736.346	F	0.01	0.007	34.8	1.8	12.3	13.3	72.6	3.1	0.0558	4.9	Valve Closed
2/21/2023	6	28.75	730.25	R	-0.13	0.323	29.4	15.2	9.6	8.8	66.4	31.1	4.7272	37.8	Valve Opened
3/6/2023	32	28.99	736.346	F	-0.01	0.023	32.5	2	15.6	16.7	65.7	5.1	0.102	6.2	Valve Closed
4/3/2023	38	29.05	737.87	S	-0.01	-0.383	54.6	41	9.3	3.6	46.1	<<>>		<<>>	Valve Open
5/22/2023	71	29.17	740.918	F	-0.03	-0.293	85.4	21.3	17.1	8.4	53.2	<<>>		<<>>	Valve Open
5/31/2023	81	28.86	733.044	R	-0.1	-0.02	91.6	5.9	14.8	8.6	70.7	33.4	1.9706	34	Valve Open
7/27/2023	90	28.82	732.028	R	0.01	0.007	97.2	15.2	15.5	7.3	62	4.3	0.6536	4.8	Valve Open
8/8/2023	80	28.91	734.314	R	-0.07	-0.08	86.6	0.6	11.7	8.5	79.2	7.4	0.0444	7	Valve Closed
9/18/2023	55	28.98	736.092	F	0.02	0.01	83.5	1.4	3	18.3	77.3	12.6	0.1764	12.3	Valve Closed
10/4/2023	65	28.79	731.266	F	0.04	0.04	67	13.4	16	9	61.6	6.8	0.9112	6.8	Valve Closed

TABLE 7
GAS EXTRACTION WELL HEAD MONITORING
Junker Sanitary Landfill FID # 656026800

WELL NUMBER: GEW- 21 (DNR # 721)

DATE	AMBIENT TEMP	BARO PRESS	BARO PRESS	BARO PRESS TREND	LATERAL PRESS	WELL HEAD PRESSURE	GAS TEMP	METHANE	CARBON DIOXIDE	OXYGEN	BALANCE GAS	INITIAL GAS FLOW	METHANE FLOW	ADJ GAS FLOW	COMMENTS/ ADJ VALVE POSITION
	°F	in Hg	mm Hg		in H2O	in H2O	°F	% CH4	% CO2	% O2	%	cfm	cfm	cfm	
11/29/2023	40	28.74	729.996	S	-0.07	-0.08	49.3	2.8	13.2	13.6	70.4	5	0.14	4.9	Valve Closed
12/15/2023	38	29.24	742.696	F	0.05	0.06	40.6	1	15.8	11.9	71.3	-	-	-	Valve Closed

R: Rising; S: Same; F: Falling

*Manually restarted blower system

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-1	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	6/18/2013	Valve Closed	
	12/1/2016	Opened Valve	
	6/5/2017	Closed Valve	
	6/19/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	12/28/2018	Closed Valve	
	3/20/2019	Opened Valve	
	6/18/2019	Closed Valve	
	9/20/2019	Opened Valve	
	6/5/2020	Closed Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Closed Valve	
	9/18/2023	Opened Valve	
	12/15/2023	Closed Valve	
GEW-2	6/25/2012	Valve Closed	
	9/10/2012	Opened Valve 1/4 turn	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	9/11/2013	Closed Valve	
	12/1/2016	Opened Valve 1/4 turn	
	9/6/2017	Closed Valve	
	6/19/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	12/28/2018	Closed Valve	
	3/20/2019	Opened Valve	
	6/18/2019	Closed Valve	
	9/20/2019	Opened Valve	
	12/4/2019	Closed Valve	
	3/17/2020	Opened Valve	
	6/5/2020	Closed Valve	
	12/2/2021	BROKEN	
	3/9/2022	Opened Valve	
	3/6/2023	Opened Valuve	
	5/31/2023	BROKEN	
	9/18/2023	Closed Valve	
	12/15/2023	Closed Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-3	4/18/2012	Valve open	
	6/25/2012	Closed Valve	
	7/18/2012	Opened Valve	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	9/11/2013	Closed Valve	
	11/9/2016	Opened Valve	
	3/28/2017	Closed Valve	
	9/6/2017	Opened Valve	
	10/9/2017	Closed Valve	
	11/2/2017	Opened Valve	
	2/15/2018	Closed Valve	
	3/14/2018	Opened Valve	
	4/12/2018	Closed Valve	
	9/24/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	10/15/2018	Closed Valve	
	1/7/2019	Opened Valve	Gas buildup due to automatic shut down of the system
	2/13/2019	Closed Valve	
	3/20/2019	Opened Valve	
	6/18/2019	Closed Valve	
	7/24/2019	Opened Valve	
	8/14/2019	Closed Valve	
	9/20/2019	Opened Valve	
	10/18/2019	Closed Valve	
	11/22/2019	Opened Valve	
	1/7/2020	Closed Valve	
	7/28/2020	Opened Valve	
	8/11/2020	Closed Valve	
	9/29/2020	Opened Valve	
	10/6/2020	Closed Valve	
	9/13/2021	Opened Valve	
	10/8/2021	Closed Valve	
	11/22/2022	Opened Valve	
	12/29/2022	Closed Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Closed Valve	
	9/18/2023	Closed Valve	
	12/15/2023	Closed Valve	
GEW-4	6/25/2012	Valve Closed	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and closed lid	System back on 5/22/13
	6/18/2013	Opened Valve	
	9/11/2013	Closed Valve	
	6/16/2015	Opened Valve	
	9/16/2015	Closed Valve	
	12/1/2016	Opened Valve	
	6/5/2017	Closed Valve	
	6/19/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	12/28/2018	Closed Valve	Blower running smoothly
	3/20/2019	Opened Valve	
	6/18/2019	Closed Valve	
	9/20/2019	Opened Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
	12/4/2019	Closed Valve	
	3/17/2020	**Opened Valve, Valve BROKEN**	
	6/5/2020	Closed Valve	
	3/9/2022	Opened Valve	
	9/7/2022	Closed Valve	
	3/6/2023	Closed Valve	
	5/31/2023	BROKEN	
	9/18/2023	BROKEN	
	12/15/2023	Opened Valve	
GEW-5	3/27/2012	Closed Valve	Flange broken
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	6/18/2013	Opened Valve	
	7/17/2013	Closed Valve	
	8/13/2013	Opened Valve	
	3/28/2017	Closed Valve	
	5/8/2017	Opened Valve	
	7/21/2017	Closed Valve	
	9/6/2017	Opened Valve	
	10/9/2017	Closed Valve	
	11/2/2017	Opened Valve	
	7/10/2018	Closed Valve	
	8/14/2018	Opened Valve	
	5/14/2019	Closed Valve	
	6/18/2019	Opened Valve	
	12/4/2019	Closed Valve	
	6/5/2020	**Valve BROKEN**	
	1/31/2022	Opened Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Opened Valve	
	9/18/2023	Opened Valve	
	12/15/2023	Closed Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-6	4/18/2012	Valve open	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	9/11/2013	Closed Valve	
	6/16/2014	Opened Valve	
	3/28/2017	Closed Valve	
	5/8/2017	Opened Valve	
	6/5/2017	Closed Valve	
	10/9/2017	Opened Valve	
	11/2/2017	Closed Valve	
	12/1/2017	Opened Valve	
	6/19/2018	Closed Valve	
	8/14/2018	Opened Valve	
	12/28/2018	Closed Valve	
	1/7/2019	Opened Valve	Gas buildup due to automatic shut down of the system
	4/21/2020	Closed Valve	
	7/28/2020	Opened Valve	
	8/11/2020	Closed Valve	
	9/29/2020	Opened Valve	
	5/19/2021	Closed Valve	
	6/16/2021	Opened Valve	
	7/8/2021	Closed Valve	
	8/10/2021	Opened Valve	
	12/2/2021	Closed Valve	
	1/31/2022	Opened Valve	
	12/29/2022	Closed Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Closed Valve	
	9/18/2023	Closed Valve	
	12/15/2023	Closed Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-7	2/17/2012	Valve open	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	9/11/2013	Closed Valve	
	9/19/2014	Opened Valve	
	3/28/2017	Closed Valve	
	11/2/2017	Opened Valve	
	?	**Valve BROKEN**	
	9/20/2019	Opened Valve	**Valve fixed**
	11/22/2019	Closed Valve	
	7/28/2020	Opened Valve	
	8/11/2020	Closed Valve	
	9/29/2020	Opened Valve	
	11/5/2020	Closed Valve	
	12/10/2020	Opened Valve	
	4/13/2021	Closed Valve	
	6/16/2021	Opened Valve	
	7/8/2021	Closed Valve	
	8/10/2021	Opened Valve	
	12/2/2021	Closed Valve	
	1/31/2022	Opened Valve	
	7/28/2022	Closed Valve	
	9/7/2022	Opened Valve	
	12/29/2022	Closed Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Opened Valve	
	9/18/2023	Opened Valve	
	12/15/2023	Closed Valve	
GEW-8	2/17/2012	Valve Closed	
	7/18/2012	Opened three full turns	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	6/18/2013	Valve open	
	5/14/2019	Closed Valve	
	6/18/2019	Opened Valve	
	9/20/2019	Closed Valve	
	2/25/2020	Opened Valve	
	4/21/2020	Closed Valve	
	5/28/2020	Opened Valve	
	7/28/2020	Closed Valve	
	4/13/2021	Opened Valve	
	12/2/2021	Closed Valve	
	7/28/2022	Opened Valve	
	11/22/2022	Closed Valve	
	3/6/2023	Closed Valve	
	5/31/2023	Opened Valve	
	9/18/2023	Opened Valve	
	12/15/2023	Opened Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-9	4/18/2012	Valve open	
	6/25/2012	Closed Valve	
	7/18/2012	Opened Valve	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	6/18/2013	Valve open	
	6/18/2019	Closed Valve	
	7/24/2019	Opened Valve	
	9/20/2019	Opened Valve	
	10/18/2019	Closed Valve	
	12/4/2019	Opened Valve	
	1/7/2020	Closed Valve	
	2/25/2020	Opened Valve	
	7/28/2020	Closed Valve	
	10/6/2020	Opened Valve	
	11/5/2020	Closed Valve	
	12/10/2020	Opened Valve	
	1/18/2021	Closed Valve	
	4/13/2021	Opened Valve	
	2/25/2022	Closed Valve	
	3/9/2022	Opened Valve	
	12/29/2022	Closed Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Opened Valve	
	9/18/2023	Opened Valve	
	12/15/2023	Opened Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-10	4/18/2012	Valve open	
	6/25/2012	Closed Valve	
	7/18/2012	Opened Valve	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	6/5/2017	Closed Valve	
	7/21/2017	Opened Valve	
	?	**Valve BROKEN**	
	9/20/2019	Valve Closed	**Valve fixed**
	10/18/2019	Opened Valve	
	11/22/2019	Closed Valve	
	2/25/2020	Opened Valve	
	4/21/2020	Closed Valve	
	7/28/2020	Opened Valve	
	10/6/2020	Closed Valve	
	6/16/2021	Opened Valve	
	7/8/2021	Closed Valve	
	8/10/2021	Opened Valve	
	12/2/2021	Closed Valve	
	1/31/2022	Opened Valve	
	7/28/2022	Closed Valve	
	10/10/2022	Opened Valve	
	12/29/2022	Closed Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Opened Valve	
	9/18/2023	Closed Valve	
	12/15/2023	Opened Valve	
GEW-11	4/18/2012	Valve Closed	
	7/23/2012	Opened 3 full turns	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	5/8/2017	Closed Valve	
	7/21/2017	Opened Valve	
	4/12/2018	Closed Valve	
	6/19/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	7/10/2018	Closed Valve	
	9/24/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	11/13/2018	Closed Valve	
	1/7/2019	Opened Valve	Gas buildup due to automatic shut down of the system
	5/14/2019	Closed Valve	
	10/18/2019	Opened Valve	
	11/22/2019	Closed Valve	
	2/25/2020	Opened Valve	
	3/17/2020	Closed Valve	
	7/28/2020	Opened Valve	
	8/11/2020	Closed Valve	
	9/29/2020	Opened Valve	
	11/5/2020	Closed Valve	
	2/2/2021	Opened Valve	
	3/19/2021	Closed Valve	
	6/16/2021	Opened Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
	7/8/2021	Closed Valve	
	8/10/2021	Opened Valve	
	12/2/2021	Closed Valve	
	1/31/2022	Opened Valve	
	2/25/2022	Closed Valve	
	8/8/2022	Opened Valve	
	12/29/2022	Closed Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Opened Valve	
	9/18/2023	Opened Valve	
	12/15/2023	Opened Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-12	8/7/2012	Opened three full turns	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	6/18/2013	Valve open	
	2/15/2018	Closed Valve	
	3/14/2018	Opened Valve	
	6/18/2019	Closed Valve	
	7/24/2019	Opened Valve	
	8/14/2019	1/2 open	
	9/20/2019	Closed Valve	
	10/18/2019	Opened Valve	
	11/22/2019	Closed Valve	
	1/7/2020	Opened Valve	
	4/21/2020	Closed Valve	
	6/5/2020	Opened Valve	
	7/28/2020	Closed Valve	
	10/6/2020	Opened Valve	
	11/5/2020	Closed Valve	
	12/10/2020	Opened Valve	
	1/18/2021	Closed Valve	
	2/2/2021	Opened Valve	
	3/19/2021	Closed Valve	
	4/13/2021	Opened Valve	
	12/2/2021	Closed Valve	
	1/31/2022	Opened Valve	
	7/28/2022	Closed Valve	
	10/10/2022	Opened Valve	
	12/29/2022	Closed Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Closed Valve	
	9/18/2023	Closed Valve	
	12/15/2023	Closed Valve	
GEW-13	9/10/2012	Valve open	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	3/14/2018	Closed Valve	
	6/19/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	3/20/2019	Closed Valve	
	9/20/2019	Opened Valve	
	12/4/2019	Closed Valve	
	3/27/2020	Opened Valve	
	6/5/2020	Closed Valve	
	12/10/2020	Opened Valve	
	3/19/2021	Closed Valve	
	11/22/2022	Opened Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Opened Valve	
	9/18/2023	Opened Valve	
	12/15/2023	Closed Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-14	6/25/2012	Valve Closed	
	9/10/2012	Opened Valve 1/4 turn	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	9/11/2013	Closed Valve	
	6/16/2015	Opened Valve	
	9/16/2015	Closed Valve	
	9/20/2019	Opened Valve	
	12/4/2019	Closed Valve	
	3/14/2020	Opened Valve	
	6/5/2020	Closed Valve	
	11/22/2022	Opened Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Closed Valve	
	9/18/2023	Opened Valve	
	12/15/2023	Closed Valve	
GEW-15	6/25/2012	Valve Closed	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	6/19/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	9/24/2018	Closed Valve	
	9/20/2019	Opened Valve	
	12/4/2019	Closed Valve	
	3/6/2023	Closed Valve	
	5/31/2023	Closed Valve	
	9/18/2023	Opened Valve	
	12/15/2023	Opened Valve	
GEW-17	6/25/2012	Valve Closed	
	9/10/2012	Opened Valve 1/4 turn	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	9/11/2013	Closed Valve	
	9/20/2016	Opened Valve	
	12/28/2018	Closed Valve	
	3/20/2019	Opened Valve	
	6/18/2019	Closed Valve	
	9/20/2019	Opened Valve	
	12/4/2019	Closed Valve	
	6/5/2020	**Valve BROKEN**	
	3/9/2022	Opened Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Opened Valve	
	9/18/2023	Opened Valve	
	12/15/2023	Closed Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-18	6/25/2012	Valve Closed	
	6/25/2018	Opened Valve 1/4 turn	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	9/11/2013	Closed Valve	
	6/16/2015	Opened Valve	
	9/16/2015	Closed Valve	
	9/20/2016	Opened Valve	
	3/28/2017	Closed Valve	
	12/19/2017	Opened Valve	
	6/18/2019	Closed Valve	
	9/20/2019	Opened Valve	
	12/4/2019	Closed Valve?	Valve broken?
	3/17/2020	**Valve BROKEN**	
	3/9/2022	Closed Valve	
	11/22/2022	Opened Valve	
	3/6/2023	Opened Valve	
	5/31/2023	BROKEN	
	9/18/2023	Closed Valve	
	12/15/2023	Opened Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-19	4/18/2012	Valve open	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	7/15/2015	Closed Valve	
	8/4/2015	Opened Valve	
	5/10/2018	Closed Valve	
	6/19/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	12/28/2018	Closed Valve	
	1/7/2019	Opened Valve	Gas buildup due to automatic shut down of the system
	2/13/2019	Closed Valve	
	4/8/2019	Opened Valve	
	5/14/2019	Closed Valve	
	6/18/2019	Opened Valve	
	7/24/2019	Closed Valve	
	8/14/2019	1/2 open	
	9/20/2019	Opened Valve	
	11/22/2019	Closed Valve	
	12/4/2019	Opened Valve	
	4/21/2020	Closed Valve	
	6/5/2020	Opened Valve	
	7/28/2020	Closed Valve	
	8/11/2020	Opened Valve	
	9/29/2020	Closed Valve	
	10/6/2020	Opened Valve	
	11/5/2020	Closed Valve	
	1/31/2022	Opened Valve	
	2/25/2022	Closed Valve	
	10/10/2022	Opened Valve	
	12/29/2022	Closed Valve	
	3/6/2023	Closed Valve	
	5/31/2023	Closed Valve	
	9/18/2023	Closed Valve	
	12/15/2023	Closed Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-20	4/18/2012	Valve open	
	6/25/2012	Closed Valve	
	7/18/2012	Opened Valve	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	5/8/2017	Closed Valve	
	7/21/2017	Opened Valve	
	5/10/2018	Closed Valve	
	6/19/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	7/10/2018	Closed Valve	
	8/14/2018	Opened Valve	
	5/14/2019	Closed Valve	
	9/20/2019	Opened Valve	
	10/18/2019	Closed Valve	
	11/22/2019	Opened Valve	
	12/4/2019	Closed Valve	
	1/7/2020	Opened Valve	
	5/28/2020	Closed Valve	
	7/28/2020	Opened Valve	
	8/11/2020	Closed Valve	
	9/29/2020	Opened Valve	
	12/10/2020	Closed Valve	
	8/10/2021	Opened Valve	
	12/2/2021	Closed Valve	
	1/31/2022	Opened Valve	
	2/25/2022	Closed Valve	
	3/9/2022	Opened Valve	
	4/4/2022	Closed Valve	
	5/26/2022	Opened Valve	
	7/28/2022	Closed Valve	
	8/8/2022	Opened Valve	
	12/29/2022	Closed Valve	
	3/6/2023	Opened Valve	
	5/31/2023	Opened Valve	
	9/18/2023	Closed Valve	
	12/15/2023	Closed Valve	

TABLE 8

SUMMARY OF GAS EXTRACTION WELL ADJUSTMENTS

Junker Sanitary Landfill FID #656026800

GAS EXTRACTION WELL	DATE	ADJUSTMENT	COMMENTS/REASON FOR CHANGE
GEW-21	4/18/2012	Valve open	
	10/31/2012	Removed cap and propped lid open	System shut down by DNR on 10/5/12
	4/29/2013	Replaced cap and Closed lid	System back on 5/22/13
	11/9/2016	Closed Valve	
	2/13/2017	Opened Valve	
	3/18/2017	Closed Valve	
	6/5/2017	Opened Valve	
	7/21/2017	Closed Valve	
	10/9/2017	Opened Valve	
	2/15/2018	Closed Valve	
	3/14/2018	Opened Valve	
	4/12/2018	Closed Valve	
	6/19/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	7/10/2018	Closed Valve	
	9/24/2018	Opened Valve	Gas buildup due to automatic shut down of the system
	12/28/2018	Closed Valve	
	1/7/2019	Opened Valve	Gas buildup due to automatic shut down of the system
	5/14/2019	Closed Valve	
	8/14/2019	Opened Valve	
	10/18/2019	Closed Valve	
	11/22/2019	Opened Valve	
	5/28/2020	Closed Valve	
	7/28/2020	Opened Valve	
	8/11/2020	Closed Valve	
	9/29/2020	Opened Valve	
	10/6/2020	Closed Valve	
	5/19/2021	Opened Valve	
	7/8/2021	Closed Valve	
	8/10/2021	Opened Valve	
	1/31/2022	Closed Valve	
	8/8/2022	Opened Valve	
	11/22/2022	Closed Valve	
	3/6/2023	Closed Valve	
	5/31/2023	Closed Valve	
	9/18/2023	Closed Valve	
	12/15/2023	Closed Valve	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 1A (DNR # 771)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND in Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.11	0.0		2.8	18.0	79.2	
3/27/2012	68	28.54	724.92	R	0.03	0.0		1.8	19.2	79.0	
6/13/2012	68	28.96	735.58	S	0.08	0.0		0.0	20.5	79.5	
9/10/2012	69	28.89	733.81	F	0.06	0.0		3.7	18.4	77.9	
10/31/2012	40	30	762.00	F	0.01	0.0		3.1	18.7	78.2	Blower off
11/19/2012	50	30.06	763.52	S	0.24	0		4.3	17.0	78.7	Blower off
12/7/2012	34	30.03	762.76	S	-0.11	0.0		0.2	20.6	79.2	Blower off
3/27/2013	38	30.34	770.64	S	-0.02	0.0		0.0	20.6	79.4	Blower off
6/20/2013	80	28.85	732.79	S	0	0.0		0.7	19.2	80.1	
9/17/2013	70	28.95	735.33	F	0.16	0.0		3.5	17.7	78.8	
12/18/2013	26	28.62	726.95	F	-0.33	0.0		3.9	18.5	77.6	
3/18/2014	30	29.78	756.41	S	Buried under a snow drift						
6/10/2014	69	28.85	732.79	F	-0.17	0.0		1.6	20.4	80.0	
9/3/2014	62	28.79	731.27	S	0.21	0.0		1.8	19.8	78.4	
12/12/2014	34	29	736.60	S	0.03	0.0		0.9	21.2	77.9	
3/13/2015	50	28.9	734.06	S	0.14	0.0		1.3	20.3	78.4	
6/10/2015	74	28.7	728.98	S	-1.24	0.0		0.2	21.2	78.6	
9/9/2015	69	25.85	656.59	S	-1.15	0.0		0.2	20.9	78.9	
12/17/2015	27	28.68	728.47	S	-0.04	0.0		0.3	21.4	78.3	
3/17/2016	40	28.69	728.73	S	-0.19	0.0		0.1	21.3	78.6	
6/14/2016	68	28.8	731.52	F	-0.48	0.0		3.7	18.2	78.1	
9/20/2016	73	29.08	738.63	R	0.02	0.0		0.5	19.6	79.9	
12/1/2016	33	28.81	731.77	R	0.85	0.1		0.3	20.3	79.3	
3/28/2017	38	29.1	739.14	S		0.0		3.3	18.6	78.1	
6/21/2017	68	29.95	760.73	S	0.43	0.0		0.2	19.7	80.1	
9/22/2017	82	29.9	759.46	S	1.93	0		0.9	19.5	79.6	
12/19/2017	35	28.8	731.52	R	-0.13	0		0	21.1	78.9	
3/14/2018	25	28.89	733.81	S	0.89	0	0	3.9	18.6	77.5	
*6/19/2018	59	28.98	736.09	S	0.16	0	0	2.9	19	78.1	
*9/24/2018	60	29.95	760.73	S	0.2	0.1	2	3.2	17.2	79.5	
12/28/2018	22	28.86	733.04	S	No Flow						
3/20/2019	35	29.89	759.21	S	2.18	0	0	2.8	19.4	77.8	
6/18/2019	70	29.99	761.75	S	3.46	0.1	2	0.6	20.1	79.2	
9/24/2019	58	29.81	757.17	S	1.9	0.1	2	4.1	17.3	78.5	
12/4/2019	31	28.87	733.30	R	No Flow						
3/17/2020	40	30.27	768.86	R	-0.1	0	0	0.4	21.2	78.4	
6/5/2020	70	31.15	791.21	S	0.07	0	0	0.1	20.3	79.6	
9/29/2020	54	29	733.70	S	-0.15	0	0	0	21.1	78.9	
12/10/2020	40	29.94	760.48	S	-0.69	0	0	3.1	19.3	77.6	
3/19/2021	57	30.5	774.70	R	1.52	0	0	0.2	21.3	78.5	
6/16/2021	80	30.03	762.76	R	3.18	0.1	2	1.9	19.7	78.3	
9/13/2021	67	29.97	761.24	R	0	0.1	2	2.3	18.5	79.1	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.7	79.2	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/9/2022	75	28.92	734.57	F	NA	0	0	1.7	20.5	77.8	
9/7/2022	73	29.13	739.902	R	0.04	0	0	0.1	21	78.9	
11/22/2022	30	29.04	737.616	R	-0.01	0	0	1	19.9	79.1	
3/7/2023	35	28.99	736.346	F	NA	0	0	0.2	21.7	78.1	
5/31/2022	81	28.86	733.044	R	NA	0	0	0.3	20.7	79	
9/18/2023	55	28.98	736.092	F	NA	0	0	0.2	19.7	80.1	
12/15/2023	38	29.24	742.696	F	NA	0	0	0.1	19.8	79.1	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 1B (DNR # 772)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND in Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.13	0		2.7	18.8	79.5	
3/27/2012	68	28.54	724.92	R	0.05	0.0		2.6	18.4	79.0	
6/13/2012	68	28.99	736.35	S	0.09	0.0		3.1	17.8	79.1	
9/10/2012	69	28.89	733.81	F	0.11	0.0		3.8	17.7	78.5	
10/31/2012	40	30	762.00	F	0.05	0.0		3.2	18.9	77.9	Blower off
11/19/2012	50	30.06	763.52	S	0.1	0.0		3.6	18.0	78.4	Blower off
12/7/2012	34	30.03	762.76	S	-0.1	0.0		3.6	18.2	78.2	Blower off
3/27/2013	38	30.34	770.64	S	-0.1	0.0		2.7	19.0	78.3	Blower off
6/20/2013	80	28.85	732.79	S	0	0.0		1.4	18.2	80.4	
9/17/2013	70	28.95	735.33	F	0.1	0.0		3.0	17.9	79.1	
12/18/2013	26	28.62	726.95	F	-0.32	22.8		1.8	19.6	55.8	
3/18/2014	30	29.78	756.41	S	Buried under a snow drift						
6/10/2014	69	28.85	732.79	F	-0.16	13.9		2.0	19.2	64.9	
9/3/2014	62	28.79	731.27	S	0.23	0.0		3.3	18.0	78.7	
12/12/2014	34	29	736.60	S	0.05	0.0		1.5	20.7	77.8	
3/13/2015	50	28.9	734.06	S	0.12	0.0		2.5	19.2	78.3	
6/10/2015	74	28.7	728.98	S	-5.73	0.0		2.4	18.2	79.4	
9/9/2015	69	25.85	656.59	S	-1.19	0.3		3.5	16.9	79.3	
12/17/2015	27	28.68	728.47	S	-0.07	0.0		0.3	18.5	78.1	
3/17/2016	40	28.69	728.73	S	-0.19	0.0		3.7	18.4	77.9	
6/14/2016	68	28.82	732.03	F	-0.49	0.0		3.3	17.0	79.7	
9/20/2016	73	29.09	738.89	R	0.03	0.0		3.8	15.4	80.8	
12/1/2016	33	28.84	732.54	R	0.78	0.1		4.2	17.2	78.5	
3/28/2017	38	29.15	740.41	S		0.0		0.2	21.0	78.8	
6/21/2017	68	29.95	760.73	S	-0.02	0.0		0.0	19.9	80.1	
9/22/2017	82	29.9	759.46	S	2.33	0.1		3.7	17.2	79	
12/19/2017	35	28.8	731.52	R	-0.05	0.0		2.9	19.5	77.6	
3/14/2018	25	28.89	733.806	S	1.05	0.0	0	1.7	20.3	78.0	
*6/19/2018	59	28.98	736.092	S	-0.01	0	0	2.9	18.7	78.4	
*9/24/2018	60	29.95	760.73	S	0.35	0.1	2	3.2	17.3	79.4	
12/28/2018	22	28.86	733.04	S	-0.99	0.1	2	3.5	19.5	76.9	
3/20/2019	35	29.89	759.206	S	0.82	0	0	2.4	19.2	78.4	
6/18/2019	70	29.99	761.746	S	-0.37	0.1	2	2.5	18.3	79.1	
9/24/2019	58	29.81	757.17	S	1.33	0.1	2	3	17.4	79.5	
12/4/2019	31	28.87	733.3	R	No air flow						
3/17/2020	40	30.27	768.86	R	1.67	0	0	1.2	19.4	79.4	
6/5/2020	70	31.15	791.21	S	-10.11	0	0	0	20.8	79.2	
9/29/2020	54	29	733.7	S	-0.16	0	0	0	21	79	
12/10/2020	40	29.94	760.476	S	0.03	0	0	2.6	19.1	78.3	
3/19/2021	57	30.5	774.7	R	0.39	0	0	2.4	19.2	78.4	
6/16/2021	80	30.03	762.762	R	1.22	0.1	2	0	21.2	78.7	
9/13/2021	67	29.97	761.24	R	0	0.1	2	1.9	18.2	79.8	
12/2/2021	41	29.89	759.206	R	0	0	0	2.6	18.7	78.7	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/9/2022	75	28.92	734.568	F	NA	0	0	1.7	20.6	77.7	
9/7/2022	73	29.13	739.902	R	0.03	0	0	0	21.7	78.3	
11/22/2022	30	29.04	737.616	R	0	0	0	1.6	20.9	77.5	
3/7/2023	35	28.99	736.346	F	NA	0	0	0.2	21.7	78.1	
5/31/2023	81	28.86	733.044	R	NA	0	0	2.1	18.8	79.1	
9/18/2023	55	28.98	736.092	F	NA	0	0	2.5	15.6	81.9	
12/15/2023	38	29.24	742.696	F	NA	0	0	2.3	15.7	79.9	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 2A (DNR # 773)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.01	3.5		15.1	3.0	78.5	
3/27/2012	68	28.54	724.92	R	2.00	0.0		5.4	15.8	79.2	
6/13/2012	68	28.96	735.58	S	0.02	12.7		15.5	4.4	67.4	
8/7/2012	85	28.86	733.04	S	0.07	0.1		4.8	15.3	79.8	
8/15/2012	69	28.71	729.23		0.02	0		3.7	17	79.3	
9/10/2012	69	28.89	733.81	F	0.02	0.0		4.2	16.3	79.5	
10/22/2012	60	28.76	730.50	R	0	0.0		5.6	12.7	81.7	
10/31/2012	40	30	762.00	F	0	0.0		8.7	8.3	83.0	Blower off
11/7/2012	39	29.03	737.36	F	0.01	0.3		9.1	7.6	83.0	Blower off
11/19/2012	50	30.06	763.52	S	0.03	1.4		12.0	5.2	81.4	Blower off
12/7/2012	34	30.03	762.76	S	0.03	1.7		12.6	7.1	78.6	Blower off
3/27/2013	38	30.34	770.64	S	0.02	19.5		23.5	3.2	53.8	Blower off
6/20/2013	80	28.85	732.79	S	0.54	6.3		8.6	3.8	81.3	
9/17/2013	70	28.95	735.33	F	0.08	0.0		7.4	10.9	81.7	
12/18/2013	26	28.62	726.95	F	-0.4	0.3		10.3	9.8	79.6	
3/18/2014	30	29.78	756.41	S	0.6	0.0		6.4	14.9	78.7	
6/10/2014	69	28.85	732.79	F	0.99	0.1		3.2	11.7	85.0	
9/3/2014	62	28.79	731.27	S	0	5.1		13.7	2.8	78.4	
12/12/2014	34	29	736.60	S	0.38	0.6		11.4	6.9	81.1	
3/13/2015	50	28.9	734.06	S	0.13	6.0		13.1	4.1	76.8	
6/10/2015	74	28.7	728.98	S	-1.18	0.7		13.9	6.7	78.7	
9/9/2015	69	25.85	656.59	S	-1.17	0.0		6.2	14.2	79.6	
12/17/2015	27	28.68	728.47	S	0	0.0		5.5	14.8	79.7	
3/17/2016	40	28.69	728.73	S	0.01	0.0		3.5	17.6	78.9	
6/14/2016	68	28.83	732.28	F	-0.59	0.0		3.5	16.2	80.3	
9/20/2016	73	29.07	738.38	R	-0.06	0.0		5.5	11.6	82.9	
12/1/2016	33	28.8	731.52	R	0.77	0.1		2.4	19.2	78.3	
3/28/2017	38	29.12	739.65	S		0		2.2	20	77.8	
6/21/2017	68	29.95	760.73	S	0.18	0.0		3.3	15.5	81.2	
9/22/2017	82	29.9	759.46	S	2.11	0		3.8	16.1	80.1	
12/19/2017	35	28.8	731.52	R	-5.05	0.0		0.3	21.4	78.3	
3/14/2018	25	28.89	733.81	S	0.88	0.0	0	8.5	8.1	83.4	
*6/19/2018	59	28.98	736.09	S	0.86	23.2	464	18.2	3.1	55.5	
*9/24/2018	60	29.95	760.73	S	0.16	18.6	372	15.7	3.7	62.0	
12/28/2018	22	28.86	733.04	S	-0.06	16.2	324	19.9	3.5	60.4	
3/20/2019	35	29.89	759.21	S	-0.1	19.9	398	22.6	2.4	55.1	
6/18/2019	70	29.99	761.75	S	0.33	21	420	12.8	3.5	62.7	
9/24/2019	58	29.81	757.17	S	-0.44	9.6	192	11.1	3.6	75.7	
12/4/2019	31	28.87	733.30	R	-0.58	0.1	2	0.2	20.9	78.8	
3/17/2020	40	30.27	768.86	R	0	26.9	538	17.1	3.6	52.4	
6/5/2020	70	31.15	791.21	S	1.4	27.4	548	11.7	3.6	57.3	
9/29/2020	54	29	733.70	S	-0.11	2.3	46	1.9	17	78.8	
12/10/2020	40	29.94	760.48	S	-0.03	6.4	128	6.7	17	69.9	
3/19/2021	57	30.5	774.70	R	0.03	0	0	0.1	21.5	78.4	
6/16/2021	80	30.03	762.76	R	0.08	2.2	44	1	19.8	77	
9/13/2021	67	29.97	761.24	R	0	12.9	>>>>	13	6	68.1	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.8	79.1	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/9/2022	75	28.92	734.57	F	NA	0	0	1.5	18.7	79.8	
9/7/2022	73	29.13	739.90	R	0.02	0	0	0.1	21.4	78.5	
11/22/2022	30	29.04	737.62	R	-0.01	0	0	2.4	18.5	79.1	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.2	21.7	78.1	
5/31/2023	81	28.86	733.04	R	NA	0.4	8	0.1	20.8	78.7	
9/18/2023	55	28.98	736.09	F	NA	0	0	0.1	20.8	79.1	
12/15/2023	38	29.24	742.696	F	NA	0.5	10	0.4	22.7	7.4	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 2B (DNR # 774)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.12	6.7		6.9	12.8	73.6	
3/27/2012	68	28.54	724.92	R	1.50	3.4		18.7	0.4	77.1	
6/13/2012	68	28.97	735.84	S	0.09	0.4		0.3	20.0	79.3	
8/7/2012	85	28.86	733.04	S	0.83	0.3		0.0	19.4	80.3	
8/15/2012	69	28.71	729.23		0.11	0.8		1.2	18.4	79.6	
9/10/2012	69	28.89	733.81	F	0.07	0.4		0.9	18.9	79.8	
10/22/2012	60	28.76	730.50	R	0.35	1.9		3.9	16.2	78.0	
10/31/2012	40	30	762.00	F	0.09	3.0		5.3	14.3	77.4	Blower off
11/7/2012	39	29.03	737.36	F	-0.05	1.7		3.6	17.2	77.5	Blower off
11/19/2012	50	30.06	763.52	S	0.09	2.8		4.8	15.2	77.2	Blower off
12/7/2012	34	30.03	762.76	S	-0.01	2.3		3.7	17.8	76.2	Blower off
3/27/2013	38	30.34	770.64	S	-0.01	5.6		5.7	15.2	73.5	Blower off
6/20/2013	80	28.85	732.79	S	0.01	11.0		6.5	8.4	74.1	
9/17/2013	70	28.95	735.33	F	0.2	1.7		2.4	16.9	79.0	
12/18/2013	26	28.62	726.95	F	-0.3	12.2		14.4	7.9	65.5	
3/18/2014	30	29.78	756.41	S	-0.31	2.7		3.8	18.0	75.5	
6/10/2014	69	28.85	732.79	F	-0.14	1.6		1.8	16.8	79.8	
9/3/2014	62	28.79	731.27	S	-5.17	0.0		9.7	2.8	87.5	
12/12/2014	34	29	736.60	S	-0.05	1.4		3.3	15.5	79.8	
3/13/2015	50	28.9	734.06	S	0.16	3.0		3.3	16.4	77.3	
6/10/2015	74	28.7	728.98	S	-1.22	0.0		0.1	20.9	79.0	
9/9/2015	69	25.85	656.59	S	-0.53	0.1		0.1	20.6	79.2	
12/17/2015	27	28.68	728.47	S	0.24	0.0		0.1	21.9	78.0	
3/17/2016	40	28.69	728.73	S	-0.13	0.1		0.4	20.9	78.6	
6/14/2016	68	28.8	731.52	F	-0.58	0.2		1.2	18.7	79.9	
9/20/2016	73	29.07	738.38	R	1.07	0.0		0.9	18.7	80.4	
12/1/2016	33	28.81	731.77	R	-0.23	0.1		0.2	20.0	79.7	
3/28/2017	38	29.12	739.65	S		0		0	21	79	
6/21/2017	68	29.95	760.73	S	0	0.0		0.3	19.3	80.4	
9/22/2017	82	29.9	759.46	S	1.92	0		0.7	18.8	80.5	
12/19/2017	35	28.8	731.52	R	-0.17	0.1		0.9	20.4	78.6	
3/14/2018	25	28.89	733.81	S	0.06	3.1	62	13.8	2.0	81.1	
*6/19/2018	59	28.98	736.09	S	0.95	0.5	10	1.4	18.7	79.4	
*9/24/2018	60	29.95	760.73	S	0.02	1.0	20	2.4	16.3	80.3	
12/28/2018	22	28.86	733.04	S	-0.92	0.2	4	0.4	21.7	77.7	
3/20/2019	35	29.89	759.21	S	1.39	3.1	62	4	16.6	76.3	
6/18/2019	70	29.99	761.75	S	1.11	1.2	24	1.8	17.2	79.8	
9/24/2019	58	29.81	757.17	S	-0.32	4.2	84	6.2	11.7	77.9	
12/4/2019	31	28.87	733.30	R	2.12	0.1	2	0.1	21	78.8	
3/17/2020	40	30.27	768.86	R	-0.03	2.6	52	3.1	18.2	76.1	
6/5/2020	70	31.15	791.21	S	0.05	1.2	24	1.2	18.2	79.4	
9/29/2020	54	29	733.70	S	0.01	10	200	18.3	0.1	71.6	
12/10/2020	40	29.94	760.48	S	-4.41	3.8	76	5.5	15.8	74.9	
3/19/2021	57	30.5	774.70	R	0.02	0	0	0.1	21.4	78.5	
6/16/2021	80	30.03	762.76	R	0.27	1	20	1.3	18.6	79.1	
9/13/2021	67	29.97	761.24	R	0	1.3	26	2	17.1	79.6	
12/2/2021	41	29.89	759.21	R	0	1	20	1.3	19.5	78.2	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	21	78.9	
6/9/2022	75	28.92	734.57	F	0.06	0	0	0.9	20.7	78.4	
9/7/2022	73	29.13	739.90	R	0.11	1.3	26	2.2	17.9	78.6	
11/22/2022	30	29.04	737.62	R	-0.02	0	0	3.3	19.6	77.1	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.2	21.7	78.1	
5/31/2023	81	28.86	733.04	R	NA	2.6	52	2.4	17.1	77.9	
9/18/2023	55	28.98	736.09	F	NA	0	0	0.4	19.3	80.3	
12/15/2023	38	29.24	742.696	F	NA	0.1	2	0.1	22.9	76.9	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 3 (DNR # 775)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.08	0.0		2.6	18.9	78.5	
3/27/2012	68	28.54	724.92	R	0.00	0.0		2.2	19.3	77.1	
6/13/2012	68	28.92	734.57	S	0.07	0.0		2.8	19.1	78.1	
9/10/2012	69	28.89	733.81	F	0.02	0.0		3.5	17.9	78.6	
12/7/2012	34	30.03	762.76	S	-0.02	0.0		3.5	18.9	77.6	Blower off
12/27/2012	20	30.25	768.35	F	-0.01	0.0		3.4	19.5	77.1	Blower off
1/8/2013	32	29.83	757.68	F	0.05	0.0		3.3	18.6	78.1	Blower off
1/23/2013	11	30.17	766.32	S	0.01	0.0		3.4	20.2	76.4	Blower off
3/27/2013	38	30.34	770.64	S	0.01	0.0		3.1	18.8	78.1	Blower off
4/18/2013	33	28.52	724.41	F	-0.01	0.0		3.2	19.0	77.8	Blower off
5/13/2013	50	28.81	731.77	S	-0.01	0.0		2.9	18.1	79.0	Blower off
6/20/2013	80	28.85	732.79	S	0.73	0.0		2.7	17.6	79.7	
9/17/2013	70	28.95	735.33	F	0.08	0.0		3.5	17.4	79.1	
12/18/2013	26	28.62	726.95	F	-0.35	0.0		2.8	19.3	77.9	
3/18/2014	30	29.78	756.41	S	-0.3	0.0		2.0	20.1	77.9	
6/10/2014	69	28.85	732.79	F	0.76	0.0		1.7	19.9	78.4	
9/3/2014	62	28.79	731.27	S	0.13	0.0		3.5	17.9	78.6	
12/12/2014	34	29	736.60	S	-0.03	0.0		2.5	20.3	77.2	
3/13/2015	50	28.9	734.06	S	0.7	0.0		1.5	20.2	78.3	
6/10/2015	74	28.7	728.98	S	-1.2	0.0		1.6	19.3	79.1	
9/9/2015	69	25.85	656.59	S	-1.19	0.0		2.3	18.6	79.1	
12/17/2015	27	28.68	728.47	S	-0.05	0.0		2.0	19.4	78.6	
3/17/2016	40	28.69	728.73	S	-0.12	0.0		1.5	20.2	78.3	
6/14/2016	68	28.79	731.27	F	-0.61	0.0		1.7	19.0	79.3	
9/20/2016	73	29.07	738.38	R	0.04	0.0		3.3	16.7	80.0	
12/8/2016	19	29.26	743.20	R	-0.12	0.1		0.4	20.6	78.9	
3/28/2017	38	29.11	739.39	S		0		0.5	20.7	78.8	
6/21/2017	68	29.95	760.73	S	0.02	0.0		1.1	19.3	79.6	
9/22/2017	82	29.9	759.46	S	1.99	0.0		1.9	18.7	79.4	
12/19/2017	35	28.8	731.52	R	-0.1	0		2.3	19.9	77.8	
3/14/2018	25	28.89	733.81	S	Key Broke in Lock						
*6/19/2018	59	28.98	736.09	S	-0.02	0	0	2.1	19.2	78.7	
*9/24/2018	60	29.95	760.73	S	0.09	0.1	2	2.8	17.2	79.9	
12/28/2018	22	28.86	733.04	S	-0.17	0	0	0.1	21.4	78.5	
3/20/2019	35	29.89	759.21	S	-0.19	0	0	0	21	79	
6/18/2019	70	29.99	761.75	S	-0.42	0.1	2	0.1	20.2	79.6	
9/24/2019	58	29.81	757.17	S	-0.4	0.1	2	2.1	17.5	80.3	
12/4/2019	31	28.87	733.30	R	0.53	0.1	2	0	20.9	79	
3/17/2020	40	30.27	768.86	R	3.12	0	0	1.9	19.5	78.6	
6/5/2020	70	31.15	791.21	S	1.85	0	0	0	21.1	78.9	
9/29/2020	54	29	733.70	S	-0.14	0	0	2.2	18.7	79.1	
12/10/2020	40	29.94	760.48	S	-0.31	0	0	0.6	20.8	78.6	
3/19/2021	57	30.5	774.70	R	0.01	0	0	0	21.4	78.6	
6/16/2021	80	30.03	762.76	R	0.09	0.1	2	0.6	20.8	78.5	
9/13/2021	67	29.97	761.24	R	0	0.1	2	1.6	18.3	80	
12/2/2021	41	29.89	759.21	R	0	0	0	0.6	20.3	79.1	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/9/2022	75	28.92	734.57	F	NA	0	0	0.7	21.1	78.2	
9/7/2022	73	29.13	739.90	R	0.04	0	0	4.2	14.6	81.2	
11/22/2022	30	29.04	737.62	R	0.02	0	0	3.9	15.9	80.2	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.2	21.8	78	
5/31/2023	81	28.86	733.04	R	NA	0	0	0.3	20.7	79	
9/18/2023	55	28.98	736.09	F	NA	0	0	0.6	19.9	79.5	
12/15/2023	38	29.24	742.696	F	NA	0.1	2	0.8	22.2	76.9	

R: Rising; S: Same; F: Falling
LEL of methane is 5.0%
*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 4A (DNR # 776)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.08	0.0		0.3	20.1	79.6	
4/4/2012	66	28.9	734.06	S	0.95	0.0		0.1	21.0	79.0	
6/13/2012	68	28.9	734.06	S	0.16	0.1		0.0	20.8	79.1	
9/10/2012	69	28.89	733.81	F	0.03	0.0		0.0	20.2	79.8	
10/31/2012	40	30	762.00	F	0.76	0.0		0.3	20.6	79.1	Blower off
12/7/2012	34	30.03	762.76	S	0.47	0.0		0.0	21.3	78.7	Blower off
12/27/2012	20	30.25	768.35	F	0.31	0.0		3.0	18.2	78.8	Blower off
1/8/2013	32	29.83	757.68	F	0.07	0.0		1.7	19.8	78.5	Blower off
1/23/2013	11	30.17	766.32	S	0.05	0.0		1.2	19.5	79.3	Blower off
3/27/2013	38	30.34	770.64	S	0	0.0		0.5	20.1	79.4	Blower off
4/18/2013	33	28.52	724.41	F	0.67	0.0		0.8	20.0	79.2	Blower off
5/13/2013	50	28.81	731.77	S	-1.63	0.0		0.7	19.2	80.1	Blower off
6/20/2013	80	28.85	732.79	S	0.08	0.0		0.0	19.2	80.8	
9/17/2013	70	28.95	735.33	F	0.12	0.0		0.5	19.1	80.4	
12/18/2013	26	28.62	726.95	F	-0.33	0.0		2.3	19.0	78.7	
3/18/2014	30	29.78	756.41	S	-0.27	0.0		0.8	20.5	78.7	
6/10/2014	69	28.85	732.79	F	0.2	0.0		0.6	21.1	78.3	
9/3/2014	62	28.79	731.27	S	0.45	0.0		0.5	20.7	78.8	
12/12/2014	34	29	736.60	S	0.01	0.0		0.7	21.3	78.0	
3/13/2015	50	28.9	734.06	S	0.17	0.0		0.6	20.7	78.7	
6/10/2015	74	28.7	728.98	S	-1.1	0.0		0.0	21.2	78.8	
9/9/2015	69	25.85	656.59	S	-1.21	0.0		0.4	20.4	79.2	
12/17/2015	27	28.68	728.47	S	-0.04	0.0		0.2	21.5	78.3	
3/17/2016	40	28.69	728.73	S	-0.12	0.0		0.1	21.0	78.9	
6/14/2016	68	28.8	731.52	F	-0.67	0.0		0.3	20.1	79.6	
9/20/2016	73	29.07	738.38	R	-0.01	0.0		0.0	19.7	80.3	
12/29/2016	29	28.83	732.28	R	-1.06	0.1		0.2	20.7	79.0	
3/28/2017	38	29.08	738.63	S		0		0	20.8	79.2	
6/21/2017	68	29.95	760.73	S	0.09	0.1		0.0	20.1	79.8	
9/22/2017	82	29.9	759.46	S	1.91	0		0.1	19.6	80.3	
12/19/2017	35	28.8	731.52	R	-0.05	0		0	20.9	79.1	
3/14/2018	25	28.89	733.81	S	0.07	0	0	0.7	20.4	78.9	
*6/19/2018	59	28.98	736.09	S	0.3	0	0	0.2	20.5	79.3	
*9/24/2018	60	29.95	760.73	S	-11.69	0.1	2	1.7	17.5	80.7	
12/28/2018	22	28.86	733.04	S	-1.12	0	0	0	21.8	78.2	
3/20/2019	35	29.89	759.21	S	0.11	0	0	1.4	19.5	79.1	
6/18/2019	70	29.99	761.75	S	0.3	0	0	0.2	20	79.8	
9/24/2019	58	29.81	757.17	S	-0.17	0.1	2	0.5	19.6	79.8	
12/4/2019	31	28.87	733.30	R	3	0	0	0.3	20.4	79.3	
3/17/2020	40	30.27	768.86	R	1.82	0	0	0.3	20.8	78.9	
6/5/2020	70	31.15	791.21	S	0.08	0	0	0	21.4	78.6	
9/29/2020	54	29	733.70	S	-9.84	0	0	1.1	20.1	78.8	
12/10/2020	40	29.94	760.48	S	-0.19	0	0	0.7	20.6	78.7	
3/19/2021	57	30.5	774.70	R	0.03	0	0	0.1	20.7	79.2	
6/16/2021	80	30.03	762.76	R	1.66	0	0	0.3	20.2	79.5	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.2	20.3	79.4	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.7	79.2	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/10/2022	75	28.92	734.57	F	NA	0	0	0.3	20.1	79.6	
9/7/2022	73	29.13	739.90	R	0.08	0	0	0.5	20.4	79.1	
11/22/2022	30	29.04	737.62	R	0.03	0	0	4.5	20.9	74.6	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.2	21.8	78	
5/31/2023	81	28.86	733.04	R	NA	0	0	0.1	20.7	79.2	
9/18/2023	55	28.98	736.09	F	NA	0	0	0.1	20.5	79.4	
12/15/2023	38	29.24	742.696	F	NA	0	0	0.1	22.7	77.2	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 4B (DNR # 777)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.12	0.0		0.1	20.4	79.5	
4/4/2012	66	28.9	734.06	S	0.13	0.0		0.3	20.6	79.1	
6/13/2012	68	28.9	734.06	S	0.68	0.0		2.3	19.0	78.7	
9/10/2012	69	28.89	733.81	F	0.03	0.0		1.6	19.4	79.0	
10/31/2012	40	30	762.00	F	0.95	0.0		1.5	19.9	78.6	Blower off
12/7/2012	34	30.03	762.76	S	0.8	0.0		1.1	20.7	78.2	Blower off
12/27/2012	20	30.25	768.35	F	0.79	0.0		2.7	19.0	78.3	Blower off
1/8/2013	32	29.83	757.68	F	0.04	0.0		2.7	19.2	78.1	Blower off
1/23/2013	11	30.17	766.32	S	0.01	0.0		2.6	18.8	78.6	Blower off
3/27/2013	38	30.34	770.64	S	0.11	0.0		0.0	20.7	79.3	Blower off
4/18/2013	33	28.52	724.41	F	-0.05	0.0		2.4	18.7	78.9	Blower off
5/13/2013	50	28.81	731.77	S	0.05	0.0		2.3	18.0	79.7	Blower off
6/20/2013	80	28.85	732.79	S	0.06	0.0		1.8	17.8	80.4	
9/17/2013	70	28.95	735.33	F	0.05	0.0		2.4	17.9	79.7	
12/18/2013	26	28.62	726.95	F	-0.36	0.0		2.0	19.5	78.5	
3/18/2014	30	29.78	756.41	S	-0.28	0.0		1.5	19.4	79.1	
6/10/2014	69	28.85	732.79	F	-0.23	0.0		1.4	19.9	78.7	
9/3/2014	62	28.79	731.27	S	0.07	0.0		1.7	19.1	79.2	
12/12/2014	34	29	736.60	S	-0.02	0.0		1.7	20.1	78.2	
3/13/2015	50	28.9	734.06	S	1.2	0.0		1.4	19.8	78.8	
6/10/2015	74	28.7	728.98	S	-6.32	0.0		0.0	21.2	78.8	
9/9/2015	69	25.85	656.59	S	-1.44	0.0		0.2	20.7	79.1	
12/17/2015	27	28.68	728.47	S	-0.06	0.0		0.2	21.6	78.2	
3/17/2016	40	28.69	728.73	S	-0.1	0.0		0.0	21.1	78.9	
6/14/2016	68	28.8	731.52	F	-0.64	0.0		0.9	19.8	79.3	
9/20/2016	73	29.05	737.87	R	0.01	0.0		0.0	19.8	80.0	
12/29/2016	29	28.82	732.03	R	-1.02	0.1		0.0	20.9	79.0	
3/28/2017	38	29.08	738.63	S		0		1.9	19.7	78.4	
6/21/2017	68	29.95	760.73	S	0.08	0.1		1.6	18.9	79.4	
9/22/2017	82	29.9	759.46	S	1.5	0		0	19.8	80.2	
12/19/2017	35	28.8	731.52	R	-0.02	0		0	21	79	
3/14/2018	25	28.89	733.81	S	0	0	0	1.9	19.8	78.3	
*6/19/2018	59	28.98	736.09	S	0.94	0	0	1.7	19.4	78.9	
*9/24/2018	60	29.95	760.73	S	-3.26	0.1	2	1.7	17.6	80.6	
12/28/2018	22	28.86	733.04	S	-1.07	0	0	0	21.8	78.2	
3/20/2019	35	29.89	759.21	S	0.05	0	0	1.7	19.4	78.9	
6/18/2019	70	29.99	761.75	S	1.2	0	0	1.6	18.7	79.7	
9/24/2019	58	29.81	757.17	S	-0.34	0.1	2	1.6	18.6	79.7	
12/4/2019	31	28.87	733.30	R	1.1	0	0	0	20.6	79.4	
3/17/2020	40	30.27	768.86	R	-6.25	0	0	1.4	19.7	78.9	
6/5/2020	70	31.15	791.21	S	-5.18	0	0	0	21.4	78.6	
9/29/2020	54	29	733.70	S	-6.35	0	0	1.3	19.3	79.4	
12/10/2020	40	29.94	760.48	S	-0.1	0	0	0.1	21.1	78.8	
3/19/2021	57	30.5	774.70	R	0.04	0	0	1	19.8	79.2	
6/16/2021	80	30.03	762.76	R	0.8	0	0	1	19.4	79.6	
9/13/2021	67	29.97	761.24	R	0	0.1	2	1.3	18.9	79.7	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.7	79.2	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/10/2022	75	28.92	734.57	F	NA	0	0	0.4	20.1	79.5	
9/7/2022	73	29.13	739.90	R	0.02	0	0	0.1	21.6	78.3	
11/22/2022	30	29.04	737.62	R	0.03	0	0	5.2	20.9	73.9	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.3	21.8	77.9	
5/31/2023	81	28.86	733.04	R	NA	0	0	0.7	19.9	79.4	
9/18/2023	55	28.98	736.09	F	NA	0	0	0.1	21	78.9	
12/15/2023	38	29.24	742.696	F	NA	0	0	0.2	20.9	77.8	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 5S (DNR # 778)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.04	0.0		1.6	18.5	79.9	
3/27/2012	68	28.54	724.92	R	0.00	0.0		2.4	17.8	79.8	
6/13/2012	68	28.95	735.33	S	0.04	0.0		0.4	19.8	79.8	
8/7/2012	85	28.86	733.04	S	0.03	0.0		1.0	19.0	80.0	
8/15/2012	69	28.71	729.23		0.03	0.0		1.4	18.4	80.2	
9/10/2012	69	28.89	733.81	F	0.07	0.0		0.5	19.4	80.1	
10/22/2012	60	28.76	730.50	R	-0.01	0.0		0.7	19.6	79.7	
10/31/2012	40	30	762.00	F	0.03	0.0		1.6	19.7	78.7	Blower off
11/7/2012	39	29.03	737.36	F	0.02	0.0		0.9	19.8	79.3	Blower off
12/7/2012	34	30.03	762.76	S	0.01	0.0		1.0	20.2	78.8	Blower off
12/27/2012	20	30.25	768.35	F	0.01	0.0		1.4	19.8	78.8	Blower off
1/8/2013	32	29.83	757.68	F	0.04	0.0		2.8	18.6	78.6	Blower off
1/23/2013	11	30.17	766.32	S	0.01	0.0		1.3	19.8	78.9	Blower off
2/12/2013	26	29.9	759.46	F	0.13	0.0		0.5	20.0	79.5	Blower off
3/27/2013	38	30.34	770.64	S	0	0.0		1.4	19.2	79.4	Blower off
4/18/2013	33	28.52	724.41	F	-0.01	0.0		3.1	17.6	79.3	Blower off
5/13/2013	50	28.81	731.77	S	0.07	0.0		1.2	18.7	80.1	Blower off
6/20/2013	80	28.85	732.79	S	0.04	0.0		0.8	18.0	81.2	
9/17/2013	70	28.95	735.33	F	0.03	0.0		0.4	18.9	80.7	
12/18/2013	26	28.62	726.95	F	0.63	0.0		2.0	19.0	79.0	
3/18/2014	30	29.78	756.41	S	-0.29	0.0		2.1	18.4	79.5	
6/10/2014	69	28.85	732.79	F	0.05	0.0		1.3	19.7	80.0	
9/3/2014	62	28.79	731.27	S	0.12	0.0		0.6	20.2	79.2	
12/12/2014	34	29	736.60	S	0.02	0.0		2.3	18.2	79.5	
3/13/2015	50	28.9	734.06	S	0.26	0.0		0.7	20.4	78.9	
6/10/2015	74	28.7	728.98	S	-1.1	0.0		0.3	20.4	79.3	
9/9/2015	69	25.85	656.59	S	-1.18	0.0		0.2	20.6	79.2	
12/17/2015	27	28.68	728.47	S	-0.01	0.0		0.1	21.5	78.4	
3/17/2016	40	28.69	728.73	S	-0.08	0.0		0.3	21.2	78.5	
6/14/2016	68	28.8	731.52	F	-0.55	0.0		0.5	19.6	79.9	
9/20/2016	73	29.07	738.38	R	0.06	0.0		0.1	19.5	80.4	
12/8/2016	19	29.26	743.20	R	-0.09	0.1		0.1	21.0	78.8	
1/16/2017	23	28.96	735.58	F	1.28	0.1		0.1	22.4	77.4	
3/28/2017	38	29.12	739.65	S		0		0	21	79	
6/21/2017	68	29.95	760.73	S	0.04	0.0		0.0	20.1	79.9	
9/22/2017	82	29.9	759.46	S	1.51	0		0.2	19.5	80.3	
12/19/2017	35	28.8	731.52	R	-0.08	0.0		0.1	20.9	79.0	
3/14/2018	25	28.89	733.81	S	0.08	0	0	1.3	20.3	78.4	
*6/19/2018	59	28.98	736.09	S	0.56	0	0	0.2	20.2	79.6	
*9/24/2018	60	29.95	760.73	S	0.09	0.1	2	0.6	18.9	80.4	
12/28/2018	22	28.86	733.04	S	-0.3	0	0	0.2	20.3	79.5	
3/20/2019	35	29.89	759.21	S	Could not access						
6/18/2019	70	29.99	761.75	S	-0.44	0	0	0.3	19.3	80.4	
9/24/2019	58	29.81	757.17	S	-0.4	0.1	2	1	18.1	80.8	
12/4/2019	31	28.87	733.30	R	-0.79	0	0	0.3	20.8	78.9	
3/17/2020	40	30.27	768.86	R	-4.5	0	0	2.2	16.8	81	
6/5/2020	70	31.15	791.21	S	0.03	0	0	0.4	19.9	79.7	
9/29/2020	54	29	733.70	S	-0.12	0	0	0.8	19.3	79.9	
12/10/2020	40	29.94	760.48	S	-0.04	0	0	1	19.5	79.5	
3/19/2021	57	30.5	774.70	R	0.08	0	0	0.9	19.7	79.4	
6/16/2021	80	30.03	762.76	R	0.19	0.1	2	0.3	20.5	79.1	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.6	19.3	80	
12/2/2021	41	29.89	759.21	R	0	0	0	1.5	18.6	79.9	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	21	78.9	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 5S (DNR # 778)

6/10/2022	75	28.92	734.57	F	NA	0	0	0.6	19.3	80.1	
9/7/2022	73	29.13	739.90	R	0.42	0	0	0.9	19.6	79.5	
11/22/2022	30	29.04	737.62	R	0	0	0	0.1	22	77.9	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.3	21.6	78.1	
5/31/2023	81	28.86	733.04	R	NA	0	0	0.6	19.7	79.7	
9/18/2023	55	28.98	736.09	F	NA	0	0	0.9	20.4	78.7	
12/15/2023	38	29.24	742.696	F	NA	0.1	2	0.5	22.3	77.1	

R: Rising; S: Same; F: Falling
LEL of methane is 5.0%
*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 5M (DNR # 779)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.08	0.0		1.3	18.9	79.8	
3/27/2012	68	28.54	724.92	R	-1.00	0.0		0.0	20.6	79.4	
6/13/2012	68	28.96	735.58	S	0.09	0.0		0.0	20.6	79.4	
8/7/2012	85	28.86	733.04	S	0.01	0.0		0.2	19.9	79.9	
8/15/2012	69	28.71	729.23		0.08	0.0		0.7	19.1	80.2	
9/10/2012	69	28.89	733.81	F	0.08	0.0		0.0	20.0	80.0	
10/22/2012	60	28.76	730.50	R	0	0.0		0.0	20.4	79.6	
10/31/2012	40	30	762.00	F	0.07	0.0		1.0	20.4	78.6	Blower off
11/7/2012	39	29.03	737.36	F	-0.01	0.0		0.0	20.7	79.3	Blower off
12/7/2012	34	30.03	762.76	S	-0.04	0.0		0.0	21.2	78.8	Blower off
12/27/2012	20	30.25	768.35	F	0.04	0.0		1.5	20.0	78.5	Blower off
1/8/2013	32	29.83	757.68	F	0.88	0.0		5.0	13.9	81.1	Blower off
1/23/2013	11	30.17	766.32	S	Frozen - couldn't sample						Blower off
2/12/2013	26	29.9	759.46	F	1.64	0.0		4.9	13.7	81.4	Blower off
3/27/2013	38	30.34	770.64	S	0.08	0.0		0.5	19.8	79.7	Blower off
4/18/2013	33	28.52	724.41	F	0.15	0.0		2.3	18.2	79.5	Blower off
5/13/2013	50	28.81	731.77	S	1.12	0.0		0.0	19.9	80.1	Blower off
6/20/2013	80	28.85	732.79	S	0.03	0.0		0.0	19.0	81.0	
9/17/2013	70	28.95	735.33	F	0.14	0.0		0.0	19.7	80.3	
12/18/2013	26	28.62	726.95	F	-0.33	0.0		5.2	14.6	80.2	
3/18/2014	30	29.78	756.41	S	1.44	0.0		0.6	20.0	79.4	
6/10/2014	69	28.85	732.79	F	-0.24	0.0		0.9	20.3	78.8	
9/3/2014	62	28.79	731.27	S	0.45	0.0		0.2	20.9	78.9	
12/12/2014	34	29	736.60	S	0.05	0.0		1.0	20.4	78.6	
3/13/2015	50	28.9	734.06	S	0.3	0.0		0.6	20.8	78.6	
6/10/2015	74	28.7	728.98	S	-6.1	0.0		0.0	20.9	79.1	
9/9/2015	69	25.85	656.59	S	-1.23	0.0		0.1	20.8	79.1	
12/17/2015	27	28.68	728.47	S	-0.07	0.0		0.1	21.6	78.3	
3/17/2016	40	28.69	728.73	S	-0.12	0.0		0.0	21.5	78.5	
6/14/2016	68	28.8	731.52	F	-0.5	0.0		0.5	19.7	79.8	
9/20/2016	73	29.7	754.38	R	0.04	0.0		0.0	19.7	80.3	
12/8/2016	19	29.26	743.20	R	-0.22	0.1		0.1	21.0	78.8	
1/16/2017	23	28.95	735.33	F	0.39	0.1		1.0	21.0	77.9	
3/28/2017	38	29.11	739.39	S		0		0	21.1	78.9	
6/21/2017	68	29.95	760.73	S	0.18	0.0		0.0	20.2	79.8	
9/22/2017	82	29.9	759.46	S	1.49	0		0	19.8	80.2	
12/19/2017	35	28.8	731.52	R	-0.18	0		0	20.9	79.1	
3/14/2018	25	28.89	733.81	S	0.02	0	0	1	20.4	78.6	
*6/19/2018	59	28.98	736.09	S	0.16	0	0	0	20.5	79.5	
*9/24/2018	60	29.95	760.73	S	0.21	0.1	2	0.6	19.1	80.2	
12/28/2018	22	28.86	733.04	S	-1.09	0	0	0	20.5	79.5	
3/20/2019	35	29.89	759.21	S	Could not access						
6/18/2019	70	29.99	761.75	S	-0.42	0	0	0.1	19.9	80	
9/24/2019	58	29.81	757.17	S	-0.16	0.1	2	0.8	19.1	80	
12/4/2019	31	28.87	733.30	R	-0.68	0	0	0.5	20.5	79	
3/17/2020	40	30.27	768.86	R	0.03	0	0	3	12.7	84.3	
6/5/2020	70	31.15	791.21	S	-0.03	0	0	0.4	20.2	79.4	
9/29/2020	54	29	733.70	S	-0.08	0	0	1.1	18.9	80	
12/10/2020	40	29.94	760.48	S	-0.02	0	0	1	19.7	79.3	
3/19/2021	57	30.5	774.70	R	0.05	0	0	0.7	20.1	79.2	
6/16/2021	80	30.03	762.76	R	0.32	0.1	2	0.2	20.8	78.9	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.4	19.7	79.8	
12/2/2021	41	29.89	759.21	R	0	0	0	1.1	19.1	79.8	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 5M (DNR # 779)

6/10/2022	75	28.92	734.57	F	NA	0	0	0.4	19.8	79.8	
9/7/2022	73	29.13	739.90	R	0.12	0	0	0.9	19.6	79.5	
11/22/2022	30	29.04	737.62	R	0.1	0	0	0.1	22.1	77.8	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.7	20.9	78.4	
5/31/2023	81	28.86	733.04	R	NA	0	0	0.5	20	79.5	
9/18/2023	55	28.98	736.09	F	NA	0	0	0.6	19.9	79.5	
12/15/2023	38	29.24	742.696	F	NA	0	0	1	21.3	77.7	

R: Rising; S: Same; F: Falling
LEL of methane is 5.0%
*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 5D (DNR # 780)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.08	0.0		1.6	18.3	80.1	
3/27/2012	68	28.54	724.92	R	0.00	0.0		0.4	20.4	79.2	
6/13/2012	68	28.96	735.58	S	0.11	0.0		0.0	20.4	79.6	
8/7/2012	85	28.86	733.04	S	0.03	0.0		0.6	19.6	79.8	
8/15/2012	69	28.71	729.23		-3.81	0.0		0.4	19.4	80.2	
9/10/2012	69	28.89	733.81	F	0.1	0.0		0.0	19.9	80.1	
10/22/2012	60	28.76	730.50	R	0	0.0		0.0	20.3	79.7	
10/31/2012	40	30	762.00	F	0.04	0.0		3.0	17.9	79.1	Blower off
11/7/2012	39	29.03	737.36	F	0	0.0		0.0	20.7	79.3	Blower off
12/7/2012	34	30.03	762.76	S	-0.03	0.0		0.0	21.3	78.7	Blower off
12/27/2012	20	30.25	768.35	F	0.01	0.0		1.9	19.7	78.4	Blower off
1/8/2013	32	29.83	757.68	F	0.15	0.0		4.8	15.1	80.1	Blower off
1/23/2013	11	30.17	766.32	S	0	0.0		3.4	17.9	78.7	Blower off
2/12/2013	26	29.9	759.46	F	0.28	0.0		0.0	20.6	79.4	Blower off
3/27/2013	38	30.34	770.64	S	0.1	0.0		0.0	20.4	79.6	Blower off
4/18/2013	33	28.52	724.41	F	-4.58	0.0		3.3	17.3	79.4	Blower off
5/13/2013	50	28.81	731.77	S	0.14	0.0		0.0	19.8	80.2	Blower off
6/20/2013	80	28.85	732.79	S	0.04	0.0		0.2	18.9	80.9	
9/17/2013	70	28.95	735.33	F	0.13	0.0		0.0	19.5	80.5	
12/18/2013	26	28.62	726.95	F	-0.37	0.0		5.5	14.4	80.1	
3/18/2014	30	29.78	756.41	S	Frozen						
6/10/2014	69	28.85	732.79	F	-6.65	0.0		0.9	20.5	78.6	
9/3/2014	62	28.79	731.27	S	0.04	0.0		2.4	17.5	80.1	
12/12/2014	34	29	736.60	S	0.04	0.0		4.0	15.6	80.4	
3/13/2015	50	28.9	734.06	S	0.26	0.0		1.0	19.8	79.2	
6/10/2015	74	28.7	728.98	S	-13.84	0.0		0.0	20.9	79.1	
9/9/2015	69	25.85	656.59	S	-1.25	0.0		0.1	20.9	79.0	
12/17/2015	27	28.68	728.47	S	-0.07	0.0		0.1	21.7	78.2	
3/17/2016	40	28.69	728.73	S	-0.04	0.0		0.0	21.5	78.5	
6/14/2016	68	28.8	731.52	F	-0.51	0.0		1.4	18.6	80.0	
9/20/2016	73	29.7	754.38	R	0.06	0.0		0.2	19.6	80.2	
12/8/2016	19	29.26	743.20	R	-0.22	0.1		0.1	21.1	78.7	
1/16/2017	23	28.95	735.33	F	0.26	0.1		0.0	22.3	77.6	
3/28/2017	38	29.11	739.39	S		0		0	21.2	78.8	
6/21/2017	68	29.95	760.73	S	0.16	0.0		0.1	20.0	79.9	
9/22/2017	82	29.9	759.46	S	1.51	0		0.1	19.8	80.1	
12/19/2017	35	28.8	731.52	R	-0.16	0.0		0.2	21.0	78.8	
3/14/2018	25	28.89	733.81	S	0.09	0	0	2.5	18.4	79.1	
*6/19/2018	59	28.98	736.09	S	0.13	0	0	0.2	20.3	79.5	
*9/24/2018	60	29.95	760.73	S	0.12	0.1	2	1.7	17.7	80.5	
12/28/2018	22	28.86	733.04	S	-0.7	0	0	0.4	20.4	79.2	
3/20/2019	35	29.89	759.21	S	Could not access						
6/18/2019	70	29.99	761.75	S	-0.41	0	0	1.2	17.5	81.3	
9/24/2019	58	29.81	757.17	S	1.94	0.1	2	1.4	17.7	80.8	
12/4/2019	31	28.87	733.30	R	-0.65	0.1	2	0.3	21	78.6	
3/17/2020	40	30.27	768.86	R	0.04	0	0	2.2	16.2	81.6	
6/5/2020	70	31.15	791.21	S	1.62	0	0	0.3	20.8	78.9	
9/29/2020	54	29	733.70	S	-6.07	0	0	2	16.9	81.1	
12/10/2020	40	29.94	760.48	S	-0.04	0	0	0.9	19.8	79.3	
3/19/2021	57	30.5	774.70	R	2.35	0	0	0.1	21.5	78.4	
6/16/2021	80	30.03	762.76	R	0.31	0.1	2	0.2	21.1	78.6	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.3	20.2	79.4	
12/2/2021	41	29.89	759.21	R	0	0	0	0.3	20.5	79.2	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 5D (DNR # 780)

6/10/2022	75	28.92	734.57	F	NA	0	0	0.4	20	79.6	
9/7/2022	73	29.13	739.90	R	0.09	0	0	0.5	20.9	78.6	
11/22/2022	30	29.04	737.62	R	0.2	0	0	0.1	22.1	77.8	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.2	21.7	78.1	
5/31/2023	81	28.86	733.04	R	NA	0	0	0.5	20	79.5	
9/18/2023	55	28.98	736.09	F	NA	0	0	0.6	20.8	78.6	
12/15/2023	38	29.24	742.696	F	NA	0	0	0.3	22.5	77.2	

R: Rising; S: Same; F: Falling
LEL of methane is 5.0%
*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 6S (DNR # 781)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.02	0.0		7.2	12.5	80.3	
2/17/2012	40	29.97	761.24	R	-0.02	0.0		4.1	16.2	79.7	
3/27/2012	68	28.54	724.92	R	0.00	0.0		7.8	12.1	79.8	
4/18/2012	60	28.75	730.25	S	0	0.0		12.9	6.9	80.2	
5/24/2012	60	28.35	720.09	S	0.03	0.0		9.0	10.7	80.3	
6/13/2012	68	28.95	735.33	S	0.03	0.0		4.6	15.6	79.8	
7/18/2012	74	28.76	730.50	S	-0.06	0.0		1.9	18.9	79.2	
8/7/2012	85	28.86	733.04	S	0.06	0.0		0.4	19.6	80.0	
8/15/2012	69	28.71	729.23		0	0.0		4.7	15.4	79.9	
9/10/2012	69	28.89	733.81	F	0.04	0.0		4.4	15.5	80.1	
10/1/2012	62	28.77	730.76	S	-0.02	0.0		4.0	17.0	79.0	
10/18/2012	44	29.25	742.95	R	0.04	0.0		7.1	13.3	79.6	
10/22/2012	60	28.76	730.50	R	0	0.0		2.4	18.6	79.0	
10/31/2012	40	30	762.00	F	0	0.0		6.9	13.9	79.2	Blower off
11/7/2012	39	29.03	737.36	F	0.03	0.0		9.9	10.4	79.7	Blower off
11/19/2012	50	30.06	763.52	S	0.04	0.0		9.6	10.6	79.8	Blower off
12/7/2012	34	30.03	762.76	S	0.01	0.0		10.2	10.5	79.3	Blower off
12/27/2012	20	30.25	768.35	F	-0.02	0.0		8.7	11.5	79.8	Blower off
1/8/2013	32	29.83	757.68	F	0.03	0.0		10.2	9.5	80.3	Blower off
1/23/2013	11	30.17	766.32	S	0.02	0.0		8.6	10.8	80.6	Blower off
2/12/2013	26	29.9	759.46	F	0.06	0.0		6.1	13.3	80.6	Blower off
2/27/2013	35	29.9	759.46	R	0	0.0		10.1	9.7	80.2	Blower off
3/7/2013	38	30.35	770.89	S	0.03	0.0		8.0	11.1	80.9	Blower off
3/27/2013	38	30.34	770.64	S	0	0.1		13.6	6.0	80.3	Blower off
4/18/2013	33	28.52	724.41	F	0.02	2.4		20.2	0.1	77.3	Blower off
5/13/2013	50	28.81	731.77	S	-0.04	3.8		19.7	0.2	76.3	Blower off
6/20/2013	80	28.85	732.79	S	0.05	1.2		20.2	0.1	78.5	
7/17/2013	90	29.09	738.89	S	0	0.0		1.0	18.3	80.7	
8/13/2013	70	29.02	737.11	S	0	0.0		0.8	18.9	80.3	
9/17/2013	70	28.95	735.33	F	0.03	0.0		5.3	14.3	80.4	
10/8/2013	64	28.73	729.74	F	-0.03	0.0		3.7	17.1	79.2	
11/19/2013	26	29.01	736.85	F	0	0.0		4.7	15.9	79.4	
12/18/2013	26	28.62	726.95	F	-0.38	0.0		12.1	9.9	78.0	
1/15/2014	3	28.92	734.57	F	-0.35	0.0		7.1	15.8	77.1	
2/18/2014	33	28.42	721.87	S	-0.25	0.0		7.2	13.4	79.4	
3/18/2014	30	29.78	756.41	S	-0.32	0.0		7.7	13.6	78.7	
4/22/2014	45	28.96	735.58	S	-0.77	0.0		0.2	21.3	78.5	
5/14/2014	46	29.1	739.14	S	0	0.0		1.0	20.2	78.8	
6/10/2014	69	28.85	732.79	F	-0.23	0.0		7.8	11.8	80.4	
7/10/2014	75	28.94	735.08	F	-0.28	0.0		3.1	17.1	79.8	
8/5/2014	67	29	736.60	S	-0.28	0.0		2.3	18.6	79.1	
9/3/2014	62	28.79	731.27	S	-0.03	0.0		4.1	15.8	80.1	
10/9/2014	55	30.19	766.83	S	-0.04	0.0		1.4	20.1	78.5	
11/21/2014	25	28.91	734.31		0	0.0		5.4	15.4	79.2	
12/12/2014	34	29	736.60	S	0.02	0.0		6.3	14.2	79.5	
1/15/2015	30	28.79	731.27	S	0	0.0		9.7	10.1	80.2	
2/16/2015	9	28.95	735.33	F	0.03	0.0		10.4	9.7	79.9	
3/13/2015	50	28.9	734.06	S	0.13	0.0		9.6	9.4	81.0	
4/7/2015	37	29.03	737.36	S	0.04	0.0		2.0	19.3	78.7	
5/5/2015	67	29.06	738.12	S	0.04	0.0		2.5	18.0	79.5	
6/10/2015	74	28.7	728.98	S	-1.08	0.0		0.7	19.7	79.6	
7/14/2015	78	28.68	728.47	S	-5.8	0.0		0.5	19.9	79.6	
8/4/2015	75	28.89	733.81	S	-1.15	0.0		0.2	20.4	79.4	
9/9/2015	69	25.85	656.59	S	-1.19	0.0		0.6	20.1	79.3	
10/15/2015	54	28.9	734.06	R	-0.02	0.0		0.6	20.1	79.3	
11/6/2015	42	29.99	761.75	R	-0.95	0		0.2	20.5	79.3	
12/17/2015	27	28.68	728.47	S	-0.05	0.0		0.1	21.4	78.5	
1/7/2016	32	29.98	761.49	F	0.46	0.0		2.1	19.1	78.8	
2/1/2016	26	28.87	733.30	R	0.46	0.0		2.1	19.1	78.8	
3/17/2016	40	28.69	728.73	S	-0.06	0.0		0.0	21.4	78.6	
4/4/2016	33	29.23	742.44	R	-0.7	0.0		0.0	21.3	78.7	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 6S (DNR # 781)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
5/12/2016	46	28.89	733.81	S	-0.65	0.0		0.4	20.4	79.2	
6/14/2016	68	28.79	731.27	F	-0.57	0.0		3.1	16.7	80.2	
7/21/2016	86	28.84	732.54	F	0.01	0.0		3.3	16.6	80.1	
8/9/2016	82	28.87	733.30	S	0	0.0		3.5	16.4	80.1	
9/20/2016	73	29.07	738.38	R	0.05	0.0		1.8	17.6	80.6	
11/10/2016	58	28.87	733.30	F	0.02	0.1		1.5	17.6	80.8	
12/8/2016	19	29.27	743.46	R	-0.09	0.1		0.1	21.1	78.7	
1/16/2017	23	28.95	735.33	F	0.27	0.1		5.8	14.7	79.4	
2/13/2017	44	28.76	730.50	F	-	0.2		6.0	13.2	80.6	
3/28/2017	38	29.11	739.39	S		0		0	21.1	78.9	
4/11/2017	34	30.25	768.35	S	0	0.0		0.1	21.0	78.9	
5/17/2017	62	29.56	750.82	S	-0.05	0.0		0.7	19.8	79.5	
6/21/2017	68	29.95	760.73	S	0.04	0.0		4.3	15.1	80.6	
7/21/2017	75	29.91	759.71	F	-0.01	0.0		2.2	18.0	79.8	
8/15/2017	65	30.01	762.25	S	1.58	0.1		0.0	19.9	80.0	
9/22/2017	82	29.9	759.46	S	2.61	0		0	20	80	
10/9/2017	48	28.95	735.33	S	1.2	0.0		0.7	19.3	80.0	
11/2/2017	36	29.88	758.95	R	-0.03	0.0		0.0	20.2	79.8	
12/1/2017	40	30.03	762.76	S	3.2	0.0		3.9	17.3	78.8	
*1/8/2018	26	29.97	761.24	R	0	0.0	0	0.3	20.6	79.1	
2/15/2018	32	28.7	728.98	R	Could not access, under 2" of ice						
3/14/2018	25	28.89	733.81	S	0	0.0	0	6.9	12.4	80.7	
4/12/2018	38	29.73	755.14	S	0	0.0	0	0.5	20.2	79.3	
5/10/2018	48	30.07	763.78	S	-0.01	0.0	0	0.0	21.1	78.9	
*6/19/2018	59	28.98	736.09	S	0.01	0.0	0	9.4	9.1	81.5	
7/10/2018	71	29.17	740.92	S	-0.28	0.0	0	0.3	19.7	80.0	
8/14/2018	67	29.98	761.49	S	-0.11	0.1	2	2.1	17.6	80.2	
*9/24/2018	60	29.95	760.73	S	0.02	0.6	12	15.7	2.5	81.2	
*10/15/2018	34	30.2	767.08	S	-0.09	0.1	2	0.3	20.3	79.3	
11/20/2018	19	30.1	764.54	F	0.11	0.6	12	17.7	1.8	79.9	
12/28/2018	22	28.86	733.04	S	-0.6	0	0	0	20	80	
*1/7/2019	37	29.51	749.55	S	-0.91	0.6	12	10.1	11.1	78.2	
2/28/2019	9	30.2	767.08	S	-0.07	3.2	64	21	0.2	75.6	
3/20/2019	35	29.89	759.21	S	-0.1	3.8	76	3.1	3.2	89.9	
4/8/2019	60	29.74	755.40	F	-0.08	0.1	2	0.9	19.6	79.4	
5/14/2019	61	29.95	760.73	S	-0.41	0.1	2	4.3	10.3	85.3	
6/18/2019	70	29.99	761.75	S	5.36	0.2	4	13.4	4.7	81.7	
7/24/2019	71	30.2	767.08	F	-0.43	0.2	4	6	10.8	83	
8/14/2019	70	30.08	764.03	S	-0.5	0	0	0	20.4	79.5	
9/24/2019	58	29.81	757.17	S	-0.44	0.5	10	16.4	1.7	81.4	
10/18/2019	52	29.79	756.67	S	-0.45	0.3	6	17.6	1.3	80.8	
11/22/2019	25	29.33	744.98	S	-0.57	0.1	2	15.1	4.7	80.1	
12/4/2019	31	28.87	733.30	R	-0.61	0	0	0.2	20.9	78.9	
1/7/2020	23	30	762.00	R	-0.58	0.9	18	19.8	0.5	78.8	
2/25/2020	45	29.42	747.27	R	-2.53	0	0	0.1	21.3	78.6	
3/17/2020	40	30.27	768.86	R	-0.02	1.3	26	18.4	0.7	79.6	
4/21/2020	40	30.02	762.51	R	0.01	0	0	0	21	79	
5/29/2020	77	29.91	739.14	F	2.34	0	0	0.2	20.8	79	
6/5/2020	70	31.15	791.21	S	0.06	0	0	0	20.7	79.3	
7/28/2020	72	29.92	759.97	S	2.24	5.1	102	15.2	5.3	74.4	
8/11/2020	73	30.01	759.25	S	2.24	7.3	146	14.9	5.6	72.2	
9/29/2020	54	29	733.70	S	-7.79	1.3	26	16.3	4	78.4	
10/6/2020	56	29.84	757.94	F	0.1	1	20	17.9	0.9	80.2	
11/5/2020	35	29.05	737.87	S	0.02	1.3	26	15.4	0.8	82.5	
12/10/2020	40	29.94	760.48	S	-0.05	0.2	4	5.4	15.9	78.5	
1/18/2021	21	29.9	759.46	R	-0.06	0.1	2	0.6	20.9	78.4	
2/2/2021	20	30.32	770.13	F	-0.11	0	0	17.2	4.1	78.7	
3/19/2021	57	30.5	774.70	R	0.04	0	0	0.1	21.4	78.5	
4/13/2021	35	28.94	735.08	R	-3.93	0	0	0.1	21.2	78.7	
5/19/2021	65	30.01	762.25	R	0.02	0	0	0.3	20.1	79.6	
6/16/2021	80	30.03	762.76	R	0.15	0.1	2	8	11	80.9	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 6S (DNR # 781)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
7/8/2021	85	29.94	760.48	R	0.03	0	0	2.9	16.6	80.5	
8/10/2021	69	28.72	729.49	R	0	0	0	1.3	18.5	80.2	
9/13/2021	67	29.97	761.24	R	0	0.1	2	16.2	3.6	80.1	
10/8/2021	63	29.9	759.46	R	0.03	0	0	1.2	18.6	80.2	
11/9/2021	42	30.14	765.56	R	0.03	0.1	2	4.6	15.7	79.6	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.5	79.4	
1/31/2022	17	29.76	755.90	R	N/A	0	0	0.2	22.5	77.1	
2/25/2022	5	30.36	771.14	R	N/A	0	0	0.2	22.6	77.2	
3/28/2022	30	29.7	754.38	R	N/A	0	0	0.1	20.9	79	
4/4/2022	33	29.87	758.70	R	0	0	0	1.6	19.7	78.7	
5/26/2022	46	28.83	732.28	R	0.02	0	0	0.3	21.4	78.3	
6/10/2022	75	28.92	734.57	F	N/A	0.6	12	7.1	12.8	79.5	
7/28/2022	62	28.9	734.06	R	-0.04	0	0	1.3	19	79.7	
8/8/2022	56	29.07	738.38	R	-0.03	0	0	0.2	20.6	79.2	
9/7/2022	73	29.13	739.90	R	0	0	0	5	14	81	
10/10/2022	61	29.05	737.87	R	NA	0	0	5.6	15.5	78.9	flow not working
11/22/2022	30	29.04	737.62	R	0.2	0	0	14.7	6	79.3	
12/29/2022	37	28.58	725.93	R	-0.01	0	0	3.1	17.9	79	
1/18/2023	32	28.99	736.35	F	0	0	0	1.1	20.9	78	
2/21/2023	6	28.75	730.25	R	NA	0	0	0.2	20.4	79.4	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.2	21.5	78.3	
4/3/2023	38	29.05	737.87	N	NA	0	0	0.1	21.5	78.4	
5/22/2023	71	29.17	740.92	F	NA	2.2	44	5.3	14.3	78.2	
5/31/2023	81	28.86	733.04	R	NA	0.8	16	1.8	18.7	78.7	
7/27/2023	90	28.82	732.03	R	NA	0.3	6	0.9	19	79.8	
8/8/2023	80	28.91	734.31	R	NA	0.7	14	2.1	17.8	79.4	
9/18/2023	55	28.98	736.09	F	NA	0	0	2.6	19.2	78.2	
10/4/2023	65	28.79	731.27	F	NA	0	0	0.2	21.4	78.4	
11/29/2023	40	28.74	730.00	S	NA	2.6	52	10.9	10.6	75.9	
12/15/2023	38	29.24	742.696	F	NA	1.9	38	13.1	9.2	75.8	
1/8/2024	28	29.06	738.124	R	NA	1.6	32	3.8	18.8		
3/1/2024	45	30.27	768.858	R	NA	0.8	16	4.3	19.1		

R: Rising; S: Same; F: Falling
LEL of methane is 5.0%
*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 6M (DNR # 782)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.12	4.0		7.8	2.0	86.2	
2/17/2012	40	29.97	761.24	R	-0.04	0.0		4.8	15.7	79.5	
3/27/2012	68	28.54	724.92	R	3.00	0.0%		0.5%	20.3%	79.2%	
4/18/2012	60	28.75	730.25			0.0%		0.0%	20.5%	79.5%	
5/24/2012	60	28.33	719.58	S	0.18	0.4%		2.5%	17.4%	79.7%	
6/13/2012	68	28.96	735.58	S	0.07	0.0%		6.4%	7.3%	86.3%	
7/18/2012	74	28.76	730.50	S	-0.09	0.0%		0.9%	19.7%	79.4%	
8/7/2012	85	28.86	733.04	S	-6.61	0.0%		0.0%	20.0%	80.0%	
8/15/2012	69	28.71	729.23		0.06	0.0		2.2	17.0	80.8	
9/10/2012	69	28.89	733.81	F	0.07	0.0		0.0	20.0	80.0	
10/1/2012	62	28.77	730.76	S	0	0.0		0.0	20.3	79.7	
10/18/2012	44	29.25	742.95	R	-0.1	0.0		6.3	10.3	83.4	
10/22/2012	60	28.76	730.50	R	-3.64	0.0		0.0	20.4	79.6	
10/31/2012	40	30	762.00	F	0.04	0.0		0.3	20.6	79.1	Blower off
11/7/2012	39	29.03	737.36	F	0.02	0.0		0.0	20.8	79.2	Blower off
11/19/2012	50	30.06	763.52	S	0.06	0.0		1.4	18.5	80.1	Blower off
12/7/2012	34	30.03	762.76	S	0.01	0.0		0.0	21.1	78.9	Blower off
12/27/2012	20	30.25	768.35	F	-0.03	0.1		4.6	13.7	81.6	Blower off
1/8/2013	32	29.83	757.68	F	0.07	1.8		11.4	0.4	86.4	Blower off
1/23/2013	11	30.17	766.32	S	-6.74	0.3		4.0	15.0	80.7	Blower off
2/12/2013	26	29.9	759.46	F	0.12	0.0		0.0	20.7	79.3	Blower off
2/27/2013	35	29.9	759.46	R	-0.07	1.3		5.4	12.4	80.9	Blower off
3/7/2013	38	30.35	770.89	S	0.07	0.0		0.3	20.2	79.5	Blower off
3/27/2013	38	30.34	770.64	S	0	0.0		0.6	19.9	79.5	Blower off
4/18/2013	33	28.52	724.41	F	-5.36	6.1		12.9	0.0	81.0	Blower off
5/13/2013	50	28.81	731.77	S	0.06	1.2		3.5	15.6	79.7	Blower off
6/20/2013	80	28.85	732.79	S	0.05	0.6		4.2	13.3	81.9	
7/17/2013	90	29.09	738.89	S	0.02	0.0		0.4	18.9	80.7	
8/13/2013	70	29.02	737.11	S	0.04	0.0		0.4	19.3	80.3	
9/17/2013	70	28.95	735.33	F	0.13	0.0		6.2	7.4	86.4	
10/8/2013	64	28.73	729.74	F	0.28	0.0		0.4	19.7	79.9	
11/19/2013	26	29.01	736.85	F	0.32	0.0		0.0	20.4	79.6	
12/18/2013	26	28.62	726.95	F	-5.52	0.1		5.1	12.8	82.0	
1/15/2014	3	28.92	734.57	F	-0.17	0.0		0.4	21.1	78.5	
2/18/2014	33	28.42	721.87	S	-0.22	0.0		10.0	3.4	86.6	
3/18/2014	30	29.78	756.41	S	0.08	0.0		2.4	16.4	81.2	
4/22/2014	45	28.96	735.58	S	0.43	0.0		0.8	19.5	79.7	
5/14/2014	46	29.1	739.14	S	-0.25	0.0		0.6	20.9	78.5	
6/10/2014	69	28.85	732.79	F	-0.22	0.0		6.5	10.0	83.5	
7/10/2014	75	28.94	735.08	F	-0.25	0.0		2.6	17.8	79.6	
8/5/2014	67	29	736.60	S	-0.25	0.0		1.8	18.4	79.8	
9/3/2014	62	28.79	731.27	S	-5.51	0.0		1.2	19.1	79.7	
10/9/2014	55	30.19	766.83	S	-0.02	0.0		2.1	18.6	79.3	
11/21/2014	25	28.91	734.31		0.24	0.0		2.5	18.3	79.2	
12/12/2014	34	29	736.60	S	0.05	0.3		1.5	16.9	81.3	
1/15/2015	30	28.79	731.27	S	0.01	0.7		2.4	14.1	82.8	
2/16/2015	9	28.95	735.33	F	0.12	0.0		0.8	19.7	79.5	
3/13/2015	50	28.9	734.06	S	0.15	0.3		1.8	15.5	82.4	
4/7/2015	37	29.03	737.36	S	-5.75	0.0		0.1	21.7	78.2	
5/5/2015	67	29.06	738.12	S	0.08	0.0		0.5	20.9	78.6	
6/10/2015	74	28.7	728.98	S	-1.08	0.0		0.3	20.5	79.2	
7/14/2015	78	28.68	728.47	S	-7.75	0.0		0.0	20.4	79.6	
8/4/2015	75	28.89	733.81	S	-1.15	0.0		0.1	20.6	79.3	
9/9/2015	69	25.85	656.59	S	-1.22	0.0		0.1	20.8	79.1	
10/15/2015	54	28.9	734.06	R	-0.1	0.0		0.3	20.2	79.5	
11/6/2015	42	29.99	761.75	R	-1.08	0.0		0.1	20.6	79.3	
12/17/2015	27	28.68	728.47	S	-8.35	0.0		3.8	15.9	80.3	
1/7/2016	32	29.98	761.49	F	0.5	0.0		4.6	13.9	81.5	
2/1/2016	26	28.87	733.30	R	-1.98	0.0		4.8	13.5	81.7	
3/17/2016	40	28.69	728.73	S	-0.13	0.0		0.0	21.4	78.6	
4/4/2016	33	29.23	742.44	R	-0.85	0.0		0.0	21.3	78.7	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 6M (DNR # 782)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
5/12/2016	46	28.89	733.81	S	-0.67	0.0		0.2	20.5	79.3	
6/14/2016	68	28.79	731.27	F	-0.5	0.0		1.2	18.6	80.2	
7/21/2016	86	28.85	732.79	F	0.04	0.0		3.3	18.6	80.2	
8/9/2016	82	28.87	733.30	S	0	0.0		0.6	19.5	79.9	
9/20/2016	73	29.07	738.38	R	0.06	0.0		0.7	18.6	80.7	
11/10/2016	58	28.87	733.30	F	0.05	0.1		5.7	12.7	81.5	
12/8/2016	19	29.27	743.46	R	-0.16	0.1		0.7	20.4	78.8	
1/16/2017	23	28.96	735.58	F	0.44	0.1		2.8	17.1	80.0	
2/13/2017	44	28.77	730.76	F	-	0.2		6.0	13.2	80.6	
3/28/2017	38	29.11	739.39	S		0		4.3	13.6	82.1	
4/11/2017	34	30.25	768.35	S	0	0		0	21.1	78.9	
5/17/2017	62	29.56	750.82	S	-0.11	0		0	20.4	79.6	
6/21/2017	68	29.95	760.73	S	-5.15	0		2	17.2	80.8	
7/21/2017	75	29.91	732.80	F	-12.37	0		0.8	19	80.2	
8/15/2017	65	30.01	762.25	S	1.59	0.1		0	19.6	80.3	
9/22/2017	82	29.9	759.46	S	2.67	0		0	19.7	80.3	
10/9/2017	48	28.95	735.33	S	1.87	0		1	19.9	79.1	
11/2/2017	36	29.88	758.95	R	-0.17	0.0		1.4	18.1	80.5	
12/1/2017	40	30.03	762.76	S	0.22	0.0		0.9	19.2	79.9	
*1/8/2018	26	29.97	761.24	R	-	-	-	-	-	-	No Flow
2/15/2018	32	28.7	728.98	R	Could not access, under 2" of ice						
3/14/2018	25	28.89	733.81	S	0.52	0.0	0	3.3	12.7	84.0	
4/12/2018	38	29.73	755.14	S	-0.01	0.0	0	0.0	20.8	79.2	
5/10/2018	48	30.07	763.78	S	0	0.0	0	0.0	21.1	78.9	
*6/19/2018	59	28.98	736.09	S	-3.92	0.0	0	0.7	19.0	80.3	
7/10/2018	71	29.17	740.92	S	0.08	0.0	0	0.6	18.9	80.5	
8/14/2018	67	29.98	761.49	S	0.05	0.1	2	1.3	17.3	81.3	
*9/24/2018	60	29.95	760.73	S	0.05	0.1	2	1.4	17.1	81.4	
*10/15/2018	34	30.2	767.08	S	-0.06	0.0	0	0.4	20.0	79.6	
11/20/2018	19	30.1	764.54	F	0.37	0.1	2	1.4	17.7	80.8	
12/28/2018	22	28.86	733.04	S	-1.1	0	0	3.8	12.6	83.6	
*1/7/2019	37	29.51	749.55	S	-0.96	0	0	3.9	14.2	81.9	
2/28/2019	9	30.2	767.08	S	0.04	0	0	5.8	6.1	88.1	
3/20/2019	35	29.89	759.21	S	-0.13	0	0	0.4	7.3	92.3	
4/8/2019	60	29.74	755.40	F	-0.09	0.1	2	5.4	6.3	88.2	
5/14/2019	61	29.95	760.73	S	-0.49	1.8	36	16.1	3.1	79	
6/18/2019	70	29.99	761.75	S	-0.38	0.1	2	0.9	19.1	79.9	
7/24/2019	71	30.2	767.08	F	-0.42	0.2	4	4.4	11.7	83.7	
8/14/2019	70	30.08	764.03	S	-0.51	0	0	0	20.4	79.5	
9/24/2019	58	29.81	757.17	S	-0.22	0.1	2	3.2	10.4	86.3	
10/18/2019	52	29.79	756.67	S	-0.52	0.1	2	3.5	15.1	81.3	
11/22/2019	25	29.33	744.98	S	-0.58	0.1	2	2.5	18.1	79.3	
12/4/2019	31	28.87	733.30	R	-0.59	0.1	2	3.1	17.8	79	
1/7/2020	23	30	762.00	R	-0.57	0	0	2.6	16.7	80.7	
2/25/2020	45	29.42	747.27	R	-12.67	0	0	0.1	21.3	78.6	
3/17/2020	40	30.27	768.86	R	-2.82	1.1	22	2.8	10.7	85.4	
4/21/2020	40	30.02	762.51	R	-7.38	0	0	0	21	79	
5/29/2020	77	29.91	739.14	F	-54.21	0	0	0.3	20.5	79.2	
6/5/2020	70	31.15	791.21	S	0	0	0	0.1	20.5	79.4	
7/29/2020	72	29.92	759.97	S	0.12	0.2	4	2.6	12.4	84.8	
8/11/2020	73	30.01	759.25	S	0.12	0	4	2.5	12.5	85	
9/29/2020	54	29	733.70	S	-0.11	0	0	3.5	13.3	83.2	
10/6/2020	56	29.84	757.94	F	1.38	0.2	4	3.2	13.3	83.3	
11/5/2020	35	29.05	737.87	S	-14.22	0.1	2	3	13.1	83.8	
12/10/2020	40	29.94	760.48	S	-0.04	0.3	6	3.5	11.1	85.1	
1/18/2021	21	29.9	759.46	R	-0.13	0.4	8	3.3	12.7	83.6	
2/2/2021	20	30.32	770.13	F	-4.6	0	0	2.7	18.6	78.7	
3/19/2021	57	30.5	774.70	R	0.04	0	0	1.7	16.6	81.7	
4/13/2021	35	28.94	735.08	R	-4.82	0	0	0.1	21.2	78.7	
5/19/2021	65	30.01	762.25	R	2.82	0	0	0.5	19.1	80.4	
6/16/2021	80	30.03	762.76	R	0.29	0.1	2	0.4	19.8	79.7	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 6M (DNR # 782)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
7/8/2021	85	29.94	760.48	R	0	0	0	1	18.2	80.8	
8/10/2021	69	28.72	729.49	R	0	0	0	1.6	16.6	81.8	
9/13/2021	67	29.97	761.24	R	0	0.1	2	1.1	17.8	81	
10/8/2021	63	29.9	759.46	R	0.06	0	0	0.7	19.2	80.1	
11/9/2021	42	30.14	765.56	R	0.02	0	0	3.6	12.6	83.8	
12/2/2021	41	29.89	759.21	R	0	0	0	4.7	11.7	83.6	
1/31/2022	17	29.76	755.90	R	N/A	0	0	0.2	22.5	77.1	
2/25/2022	5	30.36	771.14	R	N/A	0	0	0.2	22.5	77.3	
3/28/2022	30	29.7	754.38	R	N/A	0	0	0.1	20.9	79	
4/4/2022	33	29.87	758.70	R	0	0	0	1.6	18.4	80	
5/26/2022	46	28.83	732.28	R	N/A	0	0	0.7	20.4	78.9	
6/10/2022	75	28.92	734.57	F	N/A	0	0	1.8	17.1	81.1	
7/28/2022	62	28.9	734.06	R	-0.05	0	0	0.1	21	78.9	
8/8/2022	56	29.07	738.38	R	-0.03	0	0	0.8	19.4	79.8	
9/7/2022	73	29.13	739.90	R	0.14	0	0	1.6	18.2	80.2	
10/10/2022	61	29.05	737.87	R	NA	0	0	1.9	17.4	80.7	flow not working
11/22/2022	30	29.04	737.62	R	0.02	0	0	6.3	8.3	85.4	
12/29/2022	37	28.58	725.93	R	0.08	0	0	8.3	4.9	86.8	
1/18/2023	32	28.99	736.35	F	-0.02	0.3	6	9	4.5	86.2	
2/21/2023	6	28.75	730.25	R	NA	0.6	12	9.1	3.7	86.6	
3/7/2023	35	28.99	736.35	F	NA	1.2	24	9.8	2.7	86.3	
4/3/2023	38	29.05	737.87	N	NA	0	0	0.2	21.4	78.4	
5/22/2023	71	29.17	740.92	F	NA	0.7	14	2.1	17	80.2	
5/31/2023	81	28.86	733.04	R	NA	1.1	22	3.6	14.2	81.1	
7/27/2023	90	28.82	732.03	R	NA	0.2	4	2.3	15.5	82	
8/8/2023	80	28.91	734.31	R	NA	0.2	4	2.4	16.4	81	
9/18/2023	55	28.98	736.09	F	NA	0	0	2.5	19.2	78.3	
10/4/2023	65	28.79	731.27	F	NA	0	0	0.1	21.5	78.4	
11/29/2023	40	28.74	730.00	S	NA	0.4	8	6.9	8	84.7	
12/15/2023	38	29.24	742.696	F	NA	0.3	6	3.7	15.6	80.4	
1/8/2024	28	29.06	738.124	R	NA	0.5	10	6.2	11.2		
3/1/2024	45	30.27	768.858	R	NA	0	0	7	11.9		

R: Rising; S: Same; F: Falling
LEL of methane is 5.0%
*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 6D (DNR # 783)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.04	0.0		1.1	19.7	79.2	
2/17/2012	40	29.97	761.24	R	-0.04	0.0		0.8	19.5	79.5	
3/27/2012	68	28.54	724.92	R	0.00	0.0%		1.3%	19.2%	79.5%	
4/18/2012	60	28.75	730.25		0	0.0%		0.2%	20.0%	79.8%	
5/24/2012	60	28.34	719.84	S	0.07	0.0%		0.9%	19.7%	79.4%	
6/13/2012	68	28.95	735.33	S	0.09	0.0%		0.8%	19.6%	79.6%	
7/18/2012	74	28.76	730.50	S	-0.15	0.0%		0.6%	20.0%	79.4%	
8/7/2012	85	28.86	733.04	S	0.03	0.0%		0.6%	19.4%	80.0%	
8/15/2012	69	28.71	729.23		0.08	0.0%		0.9%	19.1%	80.0%	
9/10/2012	69	28.89	733.81	F	0.15	0.0%		6.4%	11.5%	82.1%	
10/1/2012	62	28.77	730.76	S	-0.02	0.0%		0.7%	19.7%	79.5%	
10/18/2012	44	29.25	742.95	R	-0.06	0.0%		0.7%	20.2%	79.1%	
10/22/2012	60	28.76	730.50	R	-0.01	0.0%		1.2%	19.4%	79.4%	
10/31/2012	40	30	762.00	F	0.05	0.0		2.2	19.4	78.4	Blower off
11/7/2012	39	29.03	737.36	F	0	0.0		0.0	20.9	79.1	Blower off
11/19/2012	50	30.06	763.52	S	0.06	0.0%		2.2%	18.7%	79.1%	Blower off
12/7/2012	34	30.03	762.76	S	0	0.0%		1.7%	19.9%	78.4%	Blower off
12/27/2012	20	30.25	768.35	F	-0.02	0.0		2.6	19.2	78.2	Blower off
1/8/2013	32	29.83	757.68	F	0.01	0.0		4.2	16.6	79.2	Blower off
1/23/2013	11	30.17	766.32	S	0.01	0.0		2.9	18.0	79.1	Blower off
2/12/2013	26	29.9	759.46	F	0.18	0.0		3.2	17.9	78.9	Blower off
2/27/2013	35	29.9	759.46	R	-0.08	0.0		0.0	21.1	78.9	Blower off
3/7/2013	38	30.35	770.89	S	0.08	0.0		2.5	18.5	79.0	Blower off
3/27/2013	38	30.34	770.64	S	-11.36	0.0		2.0	18.7	79.3	Blower off
4/18/2013	33	28.52	724.41	F	0.2	0.0		3.8	17.1	79.1	Blower off
5/13/2013	50	28.81	731.77	S	0.14	0.0		2.6	17.4	80.0	Blower off
6/20/2013	80	28.85	732.79	S	0.07	0.1		1.4	18.0	80.5	
7/17/2013	90	29.09	738.89	S	0	0.0		0.5	18.9	80.6	
8/13/2013	70	29.02	737.11	S	0.03	0.0		0.7	19.0	80.3	
9/17/2013	70	28.95	735.33	F	0.15	0.0		0.5	19.2	80.3	
10/8/2013	64	28.73	729.74	F	-0.01	0.0		0.9	19.3	79.8	
11/19/2013	26	29.01	736.85	F	0.09	0.0		0.5	20.0	79.5	
12/18/2013	26	28.62	726.95	F	-0.32	0.0		5.3	15.3	79.4	
1/15/2014	3	28.92	734.57	F	-0.1	0.0		0.8	20.7	78.5	
2/18/2014	33	28.42	721.87	S	-0.19	0.0		1.5	19.0	79.5	
3/18/2014	30	29.78	756.41	S	-0.36	0.0		0.1	22.1	77.8	
4/22/2014	45	28.96	735.58	S	-0.29	0.0		1.4	19.5	79.1	
5/14/2014	46	29.1	739.14	S	-0.25	0.0		0.6	20.8	78.6	
6/10/2014	69	28.85	732.79	F	-0.24	0.0		1.9	18.9	79.2	
7/10/2014	75	28.94	735.08	F	-0.28	0.0		1.0	20.6	78.4	
8/5/2014	67	29	736.60	S	-0.3	0.0		0.6	21.2	78.2	
9/3/2014	62	28.79	731.27	S	0.3	0.0		0.6	20.5	78.9	
10/9/2014	55	30.19	766.83	S	0	0.0		0.4	21.5	78.1	
11/21/2014	25	28.91	734.31		0.17	0.0		2.0	19.1	78.9	
12/12/2014	34	29	736.60	S	0.06	0.1		1.5	19.9	78.5	
1/15/2015	30	28.79	731.27	S	0.01	0.0		1.4	19.6	80.0	
2/16/2015	9	28.95	735.33	F	0.14	0.0		0.6	20.8	78.6	
3/13/2015	50	28.9	734.06	S	0.15	0.0		1.4	19.1	79.5	
4/7/2015	37	29.03	737.36	S	0.1	0.0		0.1	21.7	78.2	
5/5/2015	67	29.06	738.12	S	0.05	0.0		0.6	20.6	78.8	
6/10/2015	74	28.7	728.98	S	-1.09	0.0		0.2	20.7	79.3	
7/14/2015	78	28.68	728.47	S	-7.35	0.0		0.0	20.3	79.7	
8/4/2015	75	28.89	733.81	S	-1.14	0.0		0.1	20.5	79.4	
9/9/2015	69	25.85	656.59	S	-1.28	0.0		0.1	20.8	79.1	
10/15/2015	54	28.9	734.06	R	-0.13	0.0		0.1	20.8	79.1	
11/6/2015	42	29.99	761.75	R	-6.53	0.0		0.5	20.2	79.3	
12/17/2015	27	28.68	728.47	S	-0.05	0.0		0.1	21.5	78.4	
1/7/2016	32	29.98	761.49	F	0.01	0.0		1.9	18.9	79.2	
2/1/2016	26	28.87	733.30	R	-1.37	0.0		0.1	20.8	79.1	
3/17/2016	40	28.69	728.73	S	-0.04	0.0		0.0	21.4	78.6	
4/4/2016	33	29.23	742.44	R	-0.95	0.0		0.0	21.3	78.7	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 6D (DNR # 783)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
5/12/2016	46	28.89	733.81	S	-4.13	0.0		0.0	20.8	79.2	
6/14/2016	68	28.79	731.27	F	-0.47	0.0		4.6	15.3	80.1	
7/21/2016	86	28.85	732.79	F	0.05	0.0		0.3	19.6	80.1	
8/9/2016	82	28.88	733.55	S	0	0.0		0.0	20.1	79.9	
9/20/2016	73	29.07	738.38	R	0.05	0.0		0.0	19.7	80.3	
11/10/2016	58	28.87	733.30	F	0.06	0.1		4.5	15.7	79.7	
12/8/2016	19	29.27	743.46	R	-0.24	0.1		0.1	21.2	78.6	
1/16/2017	23	28.96	735.58	F	2.51	0.1		0.1	22.5	77.3	
2/13/2017	44	28.76	730.50	F	-	0.2		6.0	13.2	80.6	
3/28/2017	38	29.11	739.39	S	0	0		1.4	20	78.6	
4/11/2017	34	30.25	768.35	S	0	0		1	20.2	78.8	
5/17/2017	62	29.56	750.82	S	-0.09	0		0	20.4	79.6	
6/21/2017	68	29.95	760.73	S	0.08	0		0.1	20	79.9	
7/21/2017	75	29.91	732.80	F	0.05	0		0	20.1	79.9	
8/15/2017	65	30.01	762.25	S	-7.32	0.1		0	19.9	80	
9/22/2017	82	29.9	759.46	S	-3.09	0		0.2	19.7	80.1	
10/9/2017	48	28.95	735.33	S	1.23	0.0		0.0	20.7	79.3	
11/2/2017	36	29.88	758.95	R	0.27	0.0		1.0	19.7	79.3	
12/1/2017	40	30.03	762.76	S	-5.08	0		0	20.7	79.3	
*1/8/2018	26	29.97	761.24	R	-0.1	0.0	0	0.0	20.8	79.2	
2/15/2018	32	28.7	728.98	R	Could not access, under 2" of ice						
3/14/2018	25	28.89	733.81	S	0.09	0.0	0	1.1	20.0	78.9	
4/12/2018	38	29.73	755.14	S	-0.06	0.0	0	0.0	20.8	79.2	
5/10/2018	48	30.07	763.78	S	-6.01	0.0	0	0.0	21.1	78.9	
*6/19/2018	59	28.98	736.09	S	0.04	0.0	0	0.1	20.5	79.4	
7/10/2018	71	29.17	740.92	S	0.01	0.0	0	0.2	19.7	80.1	
8/14/2018	67	29.98	761.49	S	0.05	0.1	2	0.3	19.3	80.3	
*9/24/2018	60	29.95	760.73	S	0.13	0.1	2	0.3	19.4	80.2	
*10/15/2018	34	30.2	767.08	S	-0.07	0.0	0	0.4	20.3	79.3	
11/20/2018	19	30.1	764.54	F	0.61	0.1	2	0.0	20.4	79.5	
12/28/2018	22	28.86	733.04	S	-1.11	0	0	0	19.6	80.4	
*1/7/2019	37	29.51	749.55	S	-0.97	0	0	4.4	16	79.6	
2/28/2019	9	30.2	767.08	S	-0.1	0	0	6	12.3	81.7	
3/20/2019	35	29.89	759.21	S	0.1	0	0	0.4	12.7	86.9	
4/8/2019	60	29.74	755.40	F	-0.1	0.1	2	5.7	11.9	82.3	
5/14/2019	61	29.95	760.73	S	-0.44	0.1	2	4.6	13.3	82	
6/18/2019	70	29.99	761.75	S	-0.41	0.1	2	1.4	17.6	80.9	
7/24/2019	71	30.2	767.08	F	-0.44	0.2	4	0	20.3	79.5	
8/14/2019	70	30.08	764.03	S	-2.54	0	0	0	20.4	79.5	
9/24/2019	58	29.81	757.17	S	-0.29	0.1	2	4.5	13.2	82.2	
10/18/2019	52	29.79	756.67	S	-0.25	0.1	2	4.8	13.4	81.7	
11/22/2019	25	29.33	744.98	S	-0.53	0.1	2	4.1	15.9	79.9	
12/4/2019	31	28.87	733.30	R	-0.78	0	0	0.1	21	78.9	
1/7/2020	23	30	762.00	R	-0.55	0	0	0.2	20.5	79.3	
2/25/2020	45	29.42	747.27	R	0.59	0	0	0.1	21.2	78.7	
3/17/2020	40	30.27	768.86	R	0.08	0	0	0.4	20.6	79	
4/21/2020	40	30.02	762.51	R	-0.16	0	0	0.7	19.7	79.6	
5/29/2020	77	29.91	739.14	F	-26.43	0	0	0.2	20.8	79	
6/5/2020	70	31.15	791.21	S	-0.11	0	0	0	20.8	79.2	
7/30/2020	72	29.92	759.97	S	0.28	0.2	4	0.8	19.5	79.5	
8/11/2020	73	30.01	759.25	S	0.28	0	4	0.4	19.9	79.7	
9/29/2020	54	29	733.70	S	-8.25	0	0	1.5	19	79.5	
10/6/2020	56	29.84	757.94	F	0.55	0.2	4	0.9	19.5	79.4	
11/5/2020	35	29.05	737.87	S	-10.44	0.1	2	0	20.8	79.1	
12/10/2020	40	29.94	760.48	S	0	0.1	2	2.4	18.4	79.1	
1/18/2021	21	29.9	759.46	R	-0.19	0.1	2	2.1	18.9	78.9	
2/2/2021	20	30.32	770.13	F	-0.05	0	0	1.8	19.4	78.8	
3/19/2021	57	30.5	774.70	R	0.02	0	0	1	19.8	79.2	
4/13/2021	35	28.94	735.08	R	-8.51	0	0	0.1	21.2	78.7	
5/19/2021	65	30.01	762.25	R	1.7	0	0	0.3	20.2	79.5	
6/16/2021	80	30.03	762.76	R	0.33	0.1	2	0.1	21.1	78.7	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 6D (DNR # 783)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
7/8/2021	85	29.94	760.48	R	0.01	0	0	0.3	20.2	79.5	
8/10/2021	69	28.72	729.49	R	0	0	0	0.6	19.4	80	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.4	19.9	79.6	
10/8/2021	63	29.9	759.46	R	0.02	0	0	0.2	20.2	79.6	
11/9/2021	42	30.14	765.56	R	0.01	0	0	0.7	19.9	79.4	
12/2/2021	41	29.89	759.21	R	0	0	0	0.7	19.5	79.8	
1/31/2022	17	29.76	755.90	R	-0.01	0	0	0.1	22.6	77.3	
2/25/2022	5	30.36	771.14	R	-0.01	0	0	0.1	22.7	77.2	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
4/4/2022	33	29.87	758.70	R	0	0	0	0.1	21.5	78.4	
5/26/2022	46	28.83	732.28	R	NA	0	0	0.1	21.6	78.3	
6/10/2022	75	28.92	734.57	F	NA	0	0	0.6	19.8	79.6	
7/28/2022	62	28.9	734.06	R	-0.05	0	0	1.1	18.7	80.2	
8/8/2022	56	29.07	738.38	R	-0.1	0	0	0.1	20.9	79	
9/7/2022	73	29.13	739.90	R	0.17	0	0	0	21.3	78.7	
10/10/2022	61	29.05	737.87	R	NA	0	0	0.7	20.2	79.1	flow not working
11/22/2022	30	29.04	737.62	R	-0.03	0	0	0.9	20.1	79	
12/29/2022	37	28.58	725.93	R	0.06	0	0	3.8	16.5	79.7	
1/18/2023	32	28.99	736.35	F	0.03	0	0	3.8	17.3	78.9	
2/21/2023	6	28.75	730.25	R	NA	0	0	3.3	16.5	80.2	
3/7/2023	35	28.99	736.35	F	NA	0	0	3.2	17.6	79.2	
4/3/2023	38	29.05	737.87	N	NA	0	0	0.1	21.5	78.4	
5/22/2023	71	29.17	740.92	F	NA	0	0	0.5	20.2	79.3	
5/31/2023	81	28.86	733.04	R	NA	0	0	0.5	20.2	79.3	
7/27/2023	90	28.82	732.03	R	NA	0	0	0.4	19.5	80.1	
8/8/2023	80	28.91	734.31	R	NA	0	0	0.7	19.8	79.5	
9/18/2023	55	28.98	736.09	F	NA	0	0	0.1	22	77.9	
10/4/2023	65	28.79	731.27	F	NA	0	0	0.1	21.6	78.3	
11/29/2023	40	28.74	730.00	S	NA	0	0	0.9	20.7	78.4	
12/15/2023	38	29.24	742.696	F	NA	0	0	0.4	22.2	77.4	
1/8/2024	28	29.06	738.124	R	NA	0	0	0.5	22.7		
3/1/2023	45	30.27	768.858	R	NA	0.1	0	0.2	22.9		

R: Rising; S: Same; F: Falling
LEL of methane is 5.0%
*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 7 (DNR # 784)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.08	0.0		4.0	16.5	79.5	
3/27/2012	68	28.54	724.92	R	0.00	0.0%		0.2%	20.5%	79.3%	
6/13/2012	68	28.95	735.33	S	0.05	0.0%		1.7%	19.7%	78.6%	
9/10/2012	69	28.89	733.81	F	0.05	0.0%		1.3%	19.3%	79.4%	
10/22/2012	60	28.76	730.50	R	0	0.0%		0.0%	20.5%	79.5%	
10/31/2012	40	30	762.00	F	0.02	0.0		4.1	16.8	79.1	Blower off
11/7/2012	39	29.03	737.36	F	0	0.0		0.0	21.0	79.0	Blower off
11/19/2012	50	30.06	763.52	S	0.05	0.0%		4.3%	15.4%	80.3%	Blower off
12/7/2012	34	30.03	762.76	S	0.02	0.0%		0.0%	21.2%	78.8%	Blower off
12/27/2012	20	30.25	768.35	F	0.09	0.0		10.1	10.2	79.7	Blower off
1/8/2013	32	29.83	757.68	F	0.16	3.8		21.2	1.1	73.9	Blower off
1/23/2013	11	30.17	766.32	S	0.52	0.0		0.0	21.2	78.8	Blower off
3/27/2013	38	30.34	770.64	S	-0.01	4.1		26.1	0.3	69.5	Blower off
4/18/2013	33	28.52	724.41	F	0.15	5.4%		19.6%	0.0%	75.0%	Blower off
5/13/2013	50	28.81	731.77	S	0	10.9%		20.9%	0.7%	67.5%	Blower off
6/20/2013	80	28.85	732.79	S	0.08	0.0%		5.9%	14.2%	79.9%	
9/17/2013	70	28.95	735.33	F	0.05	0.0		5.6	14.5	79.9	
12/18/2013	26	28.62	726.95	F	-0.32	0.0%		4.0%	17.3%	78.7%	
3/18/2014	30	29.78	756.41	S	0	0.0%		1.9%	20.1%	78.0%	
6/10/2014	69	28.85	732.79	F	-0.25	0.0		0.7	20.6	78.7	
9/3/2014	62	28.79	731.27	S	0.1	0.0		1.8	19.1	79.1	
12/12/2014	34	29	736.60	S	0.08	0.1		4.0	17.4	78.5	
3/13/2015	50	28.9	734.06	S	0.19	0.0		2.3	18.8	78.9	
6/10/2015	74	28.7	728.98	S	-1.08	0.0		0.4	20.5	79.1	
9/9/2015	69	25.85	656.59	S	-1.19	0.0		0.1	20.7	79.2	
12/17/2015	27	28.68	728.47	S	-0.03	0.0		1.4	20.3	78.3	
3/17/2016	40	28.69	728.73	S	-0.05	0.0		0.0	21.3	78.7	
6/14/2016	68	28.79	731.27	F	-0.53	0.0		1.5	18.9	79.6	
9/20/2016	73	29.07	738.38	R	0.12	0.0		0.0	19.6	80.4	
12/8/2016	19	29.27	743.46	R	-0.06	0.1		0.1	21.1	78.7	
1/16/2017	23	28.96	735.58	F	0.24	0.1		0.0	22.3	77.6	
3/28/2017	38	29.11	739.39	S		0		0	21.1	78.9	
6/21/2017	68	29.95	760.73	S	0.07	0.0		0.0	19.9	80.1	
9/22/2017	82	29.9	759.46	S	1.49	0		0	19.9	80.1	
12/19/2017	35	28.8	731.52	R	0.06	0		0	20.9	79.1	
3/14/2018	25	28.89	733.81	S	0.01	0	0	2.2	19.1	78.7	
*6/19/2018	59	28.98	736.09	S	0.14	0	0	1.3	18.9	79.8	
*9/24/2018	60	29.95	760.73	S	-0.05	9.6	192	19.1	0.2	71.1	
12/28/2018	22	28.86	733.04	S	-1.88	4.1	82	18	5	72.9	
3/20/2019	35	29.89	759.21	S	-0.03	5.4	108	1.5	2.7	90.4	
6/18/2019	70	29.99	761.75	S	-0.42	0.1	2	0.1	19.9	79.9	
9/24/2019	58	29.81	757.17	S	-0.27	0.1	2	5.1	14.7	80.1	
12/4/2019	31	28.87	733.30	R	-0.64	0.1	2	2.4	19.2	78.3	
3/17/2020	40	30.27	768.86	R	-0.03	0	0	0.1	20.9	79	
6/5/2020	70	31.15	791.21	S	0.03	0	0	0	20.8	79.2	
9/29/2020	54	29	733.70	S	-0.16	0	0	0	20.9	79.1	
12/10/2020	40	29.94	760.48	S	-0.05	0	0	1.7	19.6	78.7	
3/19/2021	57	30.5	774.70	R	0.02	0	0	0	21.5	78.5	
6/16/2021	80	30.03	762.76	R	0.25	0.1	2	0.2	21	78.7	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.5	19.8	79.6	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.4	79.5	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/10/2022	75	28.92	734.57	F	NA	0	0	0.2	20.5	79.3	
9/7/2022	73	29.13	739.90	R	0.11	0	0	0.8	19.4	79.8	
11/22/2022	30	29.04	737.62	R	0	0	0	3.8	16.6	79.6	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.1	21.6	78.3	
5/31/2023	81	28.86	733.04	R	NA	0	0	0	21	79	

9/18/2023	55	28.98	736.09	F	NA	0	0	0.8	22.1	77.1	
12/15/2023	38	29.24	742.696	F	NA	0	0	0.1	22.7	77.2	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 8S (DNR # 785)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.01	0.0		5.1	15.1	79.8	
2/17/2012	40	29.97	761.24	R	-0.02	0.0		3.3	17.0	79.7	
3/27/2012	68	28.54	724.92	R	0.00	0.0%		0.8%	20.2%	79.0%	
4/25/2012	60	28.75	730.25		0	0.0%		1.0%	19.8%	79.2%	
5/24/2012	60	28.33	719.58	S	0.03	0.0%		2.2%	19.0%	78.8%	
6/13/2012	68	28.95	735.33	S	0.02	0.0%		1.1%	19.6%	79.3%	
7/18/2012	74	28.76	730.50	S	-0.01	0.0%		2.9%	16.8%	80.3%	
8/7/2012	85	28.86	733.04	S	0.04	0.1%		4.0%	14.7%	81.2%	
8/15/2012	69	28.71	729.23		0.01	0.0%		1.9%	18.8%	79.3%	
9/10/2012	69	28.89	733.81	F	0.02	0.0%		5.0%	19.6%	79.9%	
10/1/2012	62	28.77	730.76	S	0	0.0%		5.0%	20.0%	79.5%	
10/18/2012	44	29.25	742.95	R	0	0.0%		4.8%	13.2%	82.0%	
10/22/2012	60	28.76	730.50	R	0	0.0%		3.6%	16.0%	80.4%	
10/31/2012	40	30	762.00	F	0	0.2		4.6	14.5	80.7	Blower off
11/7/2012	39	29.03	737.36	F	0.01	2.5		8.1	9.3	80.1	Blower off
11/19/2012	50	30.06	763.52	S	0.03	2.0%		10.5%	7.1%	80.4%	Blower off
12/7/2012	34	30.03	762.76	S	0.01	7.1%		13.6%	7.1%	72.2%	Blower off
12/27/2012	20	30.25	768.35	F	0.01	6.2		13.9	6.3	73.6	Blower off
1/8/2013	32	29.83	757.68	F	0.06	15.7		20.6	1.7	62.0	Blower off
1/23/2013	11	30.17	766.32	S	0.03	20.7		24.4	0.1	54.8	Blower off
2/12/2013	26	29.9	759.46	F	0.04	17.6		22.7	1.2	58.5	Blower off
2/27/2013	35	29.9	759.46	R	0	10.8		14.9	7.8	66.5	Blower off
3/7/2013	38	30.35	770.89	S	0	12.2		20.4	3.2	64.2	Blower off
3/27/2013	38	30.34	770.64	S	0	10.9		15.4	7.4	66.3	Blower off
4/2/2013	26	30.3	769.62	S	-0.15	17.4		22.8	3.2	56.6	Blower off
4/9/2013	38	30.05	763.27	S	-0.08	16.3		18.9	4.7	60.1	Blower off
4/18/2013	33	28.52	724.41	F	-0.07	22.8		24.0	0.0	53.2	Blower off
5/8/2013	60	28.83	732.28	S	-0.12	23.8		23.7	1.0	51.5	Blower off
5/13/2013	50	28.81	731.77	S	-0.04	21.8		22.7	1.3	54.2	Blower off
6/20/2013	80	28.85	732.79	S	0.05	0.1		4.8	14.7	80.4	
7/17/2013	90	29.09	738.89	S	-0.01	0.0		0.4	18.9	80.7	
8/13/2013	70	29.02	737.11	S	0.03	0.0		2.2	18.1	79.7	
9/17/2013	70	28.95	735.33	F	0.03	0.0		1.8	18.6	79.6	
10/8/2013	64	28.73	729.74	F	-0.01	0.0		1.4	19.3	79.3	
11/19/2013	26	29.01	736.85	F	-0.02	0.0		0.4	20.5	79.1	
12/18/2013	26	28.62	726.95	F	-0.36	0.0		2.8	18.4	78.8	
1/15/2014	3	28.92	734.57	F	-0.4	0.0		1.2	21.2	77.6	
2/18/2014	33	28.42	721.87	S	-0.26	0.0		0.4	20.7	78.9	
3/18/2014	30	29.78	756.41	S	-0.31	0.0		0.5	21.3	78.2	
4/22/2014	45	28.96	735.58	S	-0.27	0.0		0.2	21.5	78.3	
5/14/2014	46	29.1	739.14	S	-0.26	0.0		0.2	21.0	78.8	
6/10/2014	69	28.85	732.79	F	-0.25	0.0		0.6	20.6	78.8	
7/10/2014	75	28.94	735.08	F	-0.22	0.0		0.8	20.3	78.9	
8/5/2014	67	29	736.60	S	-0.25	0.0		0.9	20.9	78.2	
9/3/2014	62	28.79	731.27	S	-0.04	0.0		0.9	19.9	79.2	
10/9/2014	55	30.19	766.83	S	-0.02	0.0		0.6	21.2	78.2	
11/21/2014	25	28.91	734.31		0	0.0		0.9	20.7	78.4	
12/12/2014	34	29	736.60	S	0	0.0		1.0	21.0	78.0	
1/15/2015	30	28.79	731.27	S	0.01	0.0		0.7	21.5	77.8	
2/16/2015	9	28.95	735.33	F	0.06	0.0		0.5	21.2	78.3	
3/13/2015	50	28.9	734.06	S	0.13	0.0		2.2	15.4	82.4	
4/7/2015	37	29.03	737.36	S	0.07	0.0		0.2	21.6	78.2	
5/5/2015	67	29.06	738.12	S	0.05	0.0		0.1	21.4	78.5	
6/10/2015	74	28.7	728.98	S	-1.12	0.0		0.2	20.8	79.0	
7/14/2015	78	28.68	728.47	S	-1.13	0.0		1.0	17.8	81.2	
8/4/2015	75	28.89	733.81	S	-1.12	0.0		0.3	19.9	79.8	
9/9/2015	69	25.85	656.59	S	-1.17	0.0		0.4	20.3	79.3	
10/15/2015	54	28.9	734.06	R	0	0.0		0.3	20.5	79.2	
11/6/2015	42	29.99	761.75	R	-0.91	0.0		0.3	20.6	79.1	
12/17/2015	27	28.68	728.47	S	-0.04	0.0		0.3	20.9	78.8	
1/7/2016	32	29.98	761.49	F	0.46	0.0		0.5	20.6	78.9	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 8S (DNR # 785)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
2/1/2016	26	28.87	733.30	R	0.47	0.0		0.2	20.6	79.2	
3/17/2016	40	28.69	728.73	S	-0.07	0.0		0.1	21.2	78.7	
4/4/2016	33	29.23	742.44	R	-0.66	0.0		0.0	21.3	78.7	
5/12/2016	46	28.89	733.81	S	-0.65	0.0		0.2	20.6	79.2	
6/14/2016	68	28.79	731.27	F	-0.59	0.0		0.3	19.9	79.8	
7/21/2016	86	28.85	732.79	F	0.04	0.0		0.7	19.2	80.1	
8/9/2016	82	28.88	733.55	S	0.03	0.0		0.7	19.3	80.0	
9/20/2016	73	29.08	738.63	R	0.05	0.0		1.2	17.7	81.1	
11/10/2016	58	28.87	733.30	F	0.01	0.1		2.2	17.4	80.3	
12/8/2016	19	29.27	743.46	R	-0.06	0.1		0.5	20.8	78.6	
1/16/2017	23	28.97	735.84	F	0.22	0.1		0.6	21.9	77.4	
2/13/2017	44	28.75	730.25	F	-	0.2		0.4	21.5	77.9	
3/28/2017	38	29.11	739.39	S	0	0		0.1	21	78.9	
4/11/2017	34	30.25	768.35	S	0.00	0.0		0	21.1	78.9	
5/17/2017	62	29.56	750.82	S	-0.05	0.0		0.2	20.2	79.6	
6/21/2017	68	29.95	760.73	S	0.04	0.0		0	19.8	80.2	
7/21/2017	75	29.91	759.71	F	0.02	0.0		0.2	19.8	80	
8/15/2017	65	30.01	762.25	S	1.55	0.1		0	20	79.9	
9/22/2017	82	29.9	759.46	S	1.84	0		0.1	19.9	80	
10/9/2017	48	28.95	735.33	S	1.39	0		0	20.4	79.6	
11/2/2017	36	29.88	758.95	R	-0.04	0		0.1	20.1	79.8	
12/1/2017	40	30.03	762.76	S	0	0.0		0.1	20.6	79.3	
*1/8/2018	26	29.97	761.24	R	-0.01	0.0	0	0.7	20.7	78.6	
2/15/2018	32	28.7	728.98	R	Could not access, under 2" of ice						
3/14/2018	25	28.89	733.81	S	Could not access, under 2" of ice						
4/12/2018	38	29.73	755.14	S	0.01	0.0	0	0.1	20.7	79.2	
5/10/2018	48	30.07	763.78	S	-0.01	0.0	0	0.0	21.0	79.0	
*6/19/2018	59	28.98	736.09	S	0	13.3	266	11.8	7.0	67.9	
7/10/2018	71	29.17	740.92	S	0	5.5	110	6.0	12.8	75.7	
8/14/2018	67	29.98	761.49	S	0.02	8.3	166	10.3	8.5	72.9	
*9/24/2018	60	29.95	760.73	S	0.03	16.8	336	18.0	3.8	61.4	
*10/15/2018	34	30.2	767.08	S	-0.1	13.7	274	14.5	8.6	63.2	
11/20/2018	19	30.1	764.54	F	0.05	4.3	86	12.0	8.8	74.9	
12/28/2018	22	28.86	733.04	S	2.3	3.3	66	11	10.8	74.9	
*1/7/2019	37	29.51	749.55	S	-0.89	12.8	256	19.2	2.6	65.4	
2/28/2019	9	30.2	767.08	S	-0.07	0.2	4	8.5	10.7	80.6	
3/20/2019	35	29.89	759.21	S	-0.12	1.6	32	12.9	8.9	76.6	
4/8/2019	60	29.74	755.40	F	-0.1	0.1	2	2.8	17.3	79.8	
5/14/2019	61	29.95	760.73	S	-2.46	0.1	2	4.8	15.3	79.8	
6/18/2019	70	29.99	761.75	S	-0.42	0.1	2	2	18.1	79.8	
7/24/2019	71	30.2	767.08	F	-0.46	0.1	2	6.5	11.8	81.6	
8/14/2019	70	30.08	764.03	S	-0.52	0	0	0	20.4	79.5	
9/24/2019	58	29.81	757.17	S	-0.45	1.8	36	14.5	0.7	83	
10/18/2019	52	29.79	756.67	S	-0.53	0.1	2	10.5	8.1	81.3	
11/22/2019	25	29.33	744.98	S	-0.58	0.1	2	1.7	20	78.2	
12/4/2019	31	28.87	733.30	R	-0.6	0.1	2	0.1	20.8	79	
1/7/2020	23	30	762.00	R	-0.59	2.1	42	10.2	9.5	78.2	
2/25/2020	45	29.42	747.27	R	-11.13	0	0	0.1	21	78.9	
3/17/2020	40	30.27	768.86	R	-4.73	11.7	234	20.4	0.1	67.8	
4/21/2020	40	30.02	762.51	R	-1.88	0	0	0	20.8	79.2	
5/29/2020	77	29.91	739.14	F	-0.05	0	0	0.8	20.3	78.9	
6/5/2020	70	31.15	791.21	S	0.06	0	0	0.3	20.5	79.2	
7/31/2020	72	29.92	759.97	S	-3.24	0.2	4	1	19.2	79.6	
8/11/2020	73	30.01	759.25	S	-3.24	0	4	1	19.3	79.7	
9/29/2020	54	29	733.70	S	-9.49	0	0	0.6	20.3	79.1	
10/6/2020	56	29.84	757.94	F	0.08	0.1	2	1.8	18.8	79.3	
11/5/2020	35	29.05	737.87	S	0.01	0.1	2	0.4	20.4	79.1	
12/10/2020	40	29.94	760.48	S	2.04	0	0	1.7	19	79.3	
1/18/2021	21	29.9	759.46	R	-0.05	0.1	2	0.4	20.8	78.7	
2/2/2021	20	30.32	770.13	F	-0.19	0	0	0.4	21.5	78.1	
3/19/2021	57	30.5	774.70	R	1.66	0	0	0.2	21.4	78.4	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 8S (DNR # 785)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
4/13/2021	35	28.94	735.08	R	-0.22	0	0	0.2	21.2	78.6	
5/19/2021	65	30.01	762.25	R	0.03	0	0	0.3	20.3	79.4	
6/16/2021	80	30.03	762.76	R	0.12	0.1	2	0.2	21.2	78.5	
7/8/2021	85	29.94	760.48	R	0	0	0	0.4	20.1	79.5	
8/10/2021	69	28.72	729.49	R	0	0	0	0.7	19	80.3	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.4	19.5	80	
10/8/2021	63	29.9	759.46	R	0	0	0	8.9	11.4	79.7	
11/9/2021	42	30.14	765.56	R	0.02	0	0	0.5	19.9	79.6	
12/2/2021	41	29.89	759.21	R	0	0	0	0.4	19.8	79.8	
1/31/2022	17	29.76	755.90	R	N/A	0	0	0.2	22.7	77.1	
2/25/2022	5	30.36	771.14	R	N/A	0	0	0.2	22.7	77.1	
3/28/2022	30	29.7	754.38	R	N/A	0	0	0.1	20.9	79	
4/4/2022	33	29.87	758.70	R	0	0.3	6	4.7	15.6	79.4	
5/26/2022	46	28.83	732.28	R	-0.1	0	0	1.8	19.1	79.1	
6/10/2022	75	28.92	734.57	F	NA	0	0	1.4	18.8	79.8	
7/28/2022	62	28.9	734.06	R	-0.08	0	0	0.3	20.9	78.8	
8/8/2022	56	29.07	738.38	R	0	0	0	1.1	19.1	79.8	
9/7/2022	73	29.13	739.90	R	0.03	0	0	1.3	19.2	79.5	
10/10/2022	61	29.05	737.87	R	NA	0	0	0.8	19.9	79.3	
11/22/2022	30	29.04	737.62	R	0.1	0	0	2.4	18.8	78.8	
12/29/2022	37	28.58	725.93	R	-0.02	2.9	58	8.1	12.5	76.5	
1/18/2023	32	28.99	736.35	F	-0.04	0	28	3.6	18	77	
2/21/2023	6	28.75	730.25	R	NA	3.9	78	11.3	10	74.8	
3/7/2023	35	28.99	736.35	F	NA	6.3	N/A	17.8	3.1	72.8	Valve Opened
4/3/2023	38	29.05	737.87	N	NA	0	0	0.3	21.7	78	
5/22/2023	71	29.17	740.92	F	NA	0.2	4	2.6	16.9	80.3	
5/31/2023	81	28.86	733.04	R	NA	0.2	4	1.8	18	80	
7/27/2023	90	28.82	732.03	R	NA	0.1	2	2.4	16.4	81.1	
8/8/2023	80	28.91	734.31	R	NA	0	0	2.2	17	80.8	
9/18/2023	55	28.98	736.09	F	NA	0	0	2.4	19.1	78.5	
10/4/2023	65	28.79	731.27	F	NA	0	0	0.1	21.6	78.3	
11/29/2023	40	28.74	730.00	S	NA	0	0	0.1	21.5	78.4	
12/15/2023	38	29.24	742.696	F	NA	0.2	4	7.8	15.4	76.6	
1/8/2024	28	29.06	738.124	R	NA	2.6	52	10.9	10		
3/1/2024	45	30.27	768.858	R	NA	1.3	26	11.1	12.3		

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 8M (DNR # 786)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.01	0.0		5.6	14.0	80.4	
2/17/2012	40	29.97	761.24	R	-0.04	0.0		2.9	17.4	79.7	
3/27/2012	68	28.54	724.92	R	0.00	0.0%		0.0%	20.7%	79.3%	
6/13/2012	68	28.95	735.33	S	0.01	0.0%		0.0%	20.6%	79.4%	
8/7/2012	85	28.86	733.04	S	-0.04	0		0.0%	19.9%	80.1%	
8/15/2012	69	28.71	729.23		0.01	0.0%		0.0%	19.8%	80.2%	
9/10/2012	69	28.89	733.81	F	0.05	0.0%		0.0%	20.1%	79.9%	
10/22/2012	60	28.76	730.50	R	0.01	0.0%		0.0%	20.3%	79.7%	
10/31/2012	40	30	762.00	F	0	0.0		5.6	13.8	80.6	Blower off
11/7/2012	39	29.03	737.36	F	0.01	0.0		0.0	20.8	79.2	Blower off
11/19/2012	50	30.06	763.52	S	0.03	0.0%		3.8%	16.1%	80.1%	Blower off
12/7/2012	34	30.03	762.76	S	0.01	0.0%		0.1%	21.2%	78.7%	Blower off
12/27/2012	20	30.25	768.35	F	0.02	0.4		4.7	15.2	79.7	Blower off
1/8/2013	32	29.83	757.68	F	0.03	1.0		7.1	12.3	79.6	Blower off
1/23/2013	11	30.17	766.32	S	Frozen - couldn't sample						Blower off
2/12/2013	26	29.9	759.46	F	Frozen - couldn't sample						Blower off
2/27/2013	35	29.9	759.46	R	Frozen - couldn't sample						Blower off
3/7/2013	38	30.35	770.89	S	Frozen - couldn't sample						Blower off
3/27/2013	38	30.34	770.64	S	0.01	0.7		3.7	17.1	78.5	Blower off
4/2/2013	26	30.3	769.62	S	-0.15	0.0%		20.0%	19.6%	80.2%	Blower off
4/18/2013	33	28.52	724.41	F	-0.02	3.6		18.6	0.0	77.8	Blower off
5/13/2013	50	28.81	731.77	S	-0.04	2.0		5.2	14.3	78.5	Blower off
6/20/2013	80	28.85	732.79	S	0.06	0.5		2.6	17.4	79.5	
9/17/2013	70	28.95	735.33	F	-3.83	0.0		0.0	19.7	80.3	
12/18/2013	26	28.62	726.95	F	-0.36	0.0		7.9	14.7	77.4	
3/18/2014	30	29.78	756.41	S	-0.29	0.0		0.4	21.5	78.1	
6/10/2014	69	28.85	732.79	F	-0.26	0.0		0.3	21.3	78.4	
9/3/2014	62	28.79	731.27	S	-0.01	0.0		0.3	20.8	78.9	
12/12/2014	34	29	736.60	S	-0.45	0.0		2.6	19.2	78.2	
1/15/2015	30	28.79	731.27	S	0	0.0		3.0	19.1	77.9	
3/13/2015	50	28.9	734.06	S	0.12	0.0		0.1	21.6	78.3	
6/10/2015	74	28.7	728.98	S	-1.11	0.0		0.0	21.0	79.0	
9/9/2015	69	25.85	656.59	S	-1.17	0.0		0.2	20.6	79.2	
12/17/2015	27	28.68	728.47	S	-0.02	0.0		0.1	21.2	78.7	
3/17/2016	40	28.69	728.73	S	-0.07	0.0		0.0	21.3	78.7	
6/14/2016	68	28.79	731.27	F	-0.6	0.0		0.0	20.1	79.9	
9/20/2016	73	29.07	738.38	R	0.06	0.0		0.2	19.4	80.4	
12/8/2016	19	No Flow - did not sample									
1/16/2017	23	28.96	735.58	F	0.31	0.1		1.0	21.4	77.5	
3/28/2017	38	29.11	739.39	S		0.0		0.0	21.1	78.9	
6/21/2017	68	29.95	760.73	S	0.05	0.0		0.0	20.0	80.0	
9/22/2017	82	29.9	759.46	S	2.44	0		0	20	80	
12/19/2017	35	28.8	731.52	R	-0.03	0		0	20.8	79.2	
3/14/2018	25	28.89	733.81	S	Could not access, under 2" of ice						
*6/19/2018	59	28.98	736.09	S	0	0.1	2	0.7	19.8	79.4	
*9/24/2018	60	29.95	760.73	S	0.03	4.9	98	12.3	6.2	76.6	
12/28/2018	22	28.86	733.04	S	-0.89	0	0	0	20.2	79.8	
*1/7/2019	37	29.51	749.55	S	-0.9	3.2	64	14.1	7.9	74.8	
3/20/2019	35	29.89	759.21	S	-0.13	1.7	34	17.1	2.7	78.5	
6/18/2019	70	29.99	761.75	S	-0.43	0.1	2	1.9	17.9	80.1	
9/24/2019	58	29.81	757.17	S	-0.45	0.1	2	11.5	5.7	82.7	
12/4/2019	31	28.87	733.30	R	-0.61	0	0	0	20.8	79.2	
3/17/2020	40	30.27	768.86	R	-0.42	0	0	0.3	20.6	79.1	
6/5/2020	70	31.15	791.21	S	0.96	0	0	0	20.9	79.1	
9/29/2020	54	29	733.70	S	-0.16	0	0	0.1	20.7	79.2	
12/10/2020	40	29.94	760.48	S	2.93	0	0	0.9	20	79.1	
3/19/2021	57	30.5	774.70	R	0.17	0	0	0	21.5	78.5	
6/16/2021	80	30.03	762.76	R	0.11	0.1	2	0	21.5	78.4	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 8M (DNR # 786)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.1	20.1	79.7	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.3	79.6	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/10/2022	75	28.92	734.57	F	NA	0	0	1	19.4	79.6	
9/7/2022	73	29.13	739.90	R	0.02	0	0	0.5	20.3	79.2	
11/22/2022	30	29.04	737.62	R	-0.03	0	0	1.6	19	79.4	
3/7/2023	35	28.99	736.35	F	NA	0	0	0.2	21.2	78.6	
5/31/2023	81	28.86	733.04	R	NA	0	0	0.3	20.4	79.3	
9/18/2023	55	28.98	736.09	F	NA	0	0	0.4	20.8	78.8	
12/15/2023	38	29.24	742.696	F	NA	0.2	4	3	19.1	77.7	

R: Rising; S: Same; F: Falling
LEL of methane is 5.0%
*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 8D (DNR # 787)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.12	0.0		10.2	5.1	84.7	
2/17/2012	40	29.97	761.238	R	-0.04	0.0		5.1	15.3	79.6	
3/27/2012	68	28.54	724.916	R	0.00	0.0%		0.1%	20.7%	79.2%	
6/13/2012	68	28.95	735.33	S	0.08	0.0%		0.0%	20.6%	79.4%	
8/7/2012	85	28.86	733.044	S	0.05	0.0%		0.0%	20.2%	79.8%	
8/15/2012	69	28.71	729.234		0.04	0.0%		0.0%	19.9%	80.1%	
9/10/2012	69	28.89	733.806	F	0.09	0.0%		0.0%	20.1%	79.9%	
10/22/2012	60	28.76	730.504	R	0	0.0%		0.0%	20.6%	79.4%	
10/31/2012	40	30	762	F	0.02	0.0		8.5	11.5	80.0	Blower off
11/7/2012	39	29.03	737.362	F	-0.02	0.0		0.0	20.9	79.1	Blower off
11/19/2012	50	30.06	763.524	S	0.69	0.0%		6.1%	13.5%	80.4%	Blower off
12/7/2012	34	30.03	762.762	S	0.03	0.0%		0.0%	21.3%	78.7%	Blower off
12/27/2012	20	30.25	768.35	F	0.06	0.0		4.9	14.8	80.3	Blower off
1/8/2013	32	29.83	757.682	F	-4.63	0.1		10.1	8.4	81.4	Blower off
1/23/2013	11	30.17	766.318	S	0.01	0.0		10.1	8.5	81.4	Blower off
2/12/2013	26	29.9	759.46	F	0.21	0.0		10.6	7.0	82.4	Blower off
2/27/2013	35	29.9	759.46	R	0	0.0%		0.6%	20.1%	79.3%	Blower off
3/7/2013	38	30.35	770.89	S	0.06	0.0%		0.4%	20.2%	79.4%	Blower off
3/27/2013	38	30.34	770.636	S	0	0.0		0.0	20.3	79.7	Blower off
4/2/2013	26	30.3	769.62	S	-0.15	0.0%		0.0%	19.8%	80.2%	Blower off
4/18/2013	33	28.52	724.408	F	0.1	0.0%		12.8%	3.4%	83.8%	Blower off
5/13/2013	50	28.81	731.774	S	0.06	0.1%		0.7%	19.3%	79.9%	Blower off
6/20/2013	80	28.85	732.79	S	0.14	0.0		1.7	18.6	79.7	
9/17/2013	70	28.95	735.33	F	0.08	0.0		0.0	19.7	80.3	
12/18/2013	26	28.62	726.948	F	-0.3	0.0		13.2	10.7	76.1	
3/18/2014	30	29.78	756.412	S	-0.3	0.0		0.1	21.8	78.1	
6/10/2014	69	28.85	732.79	F	-6.18	0.0		0.2	21.3	78.5	
9/3/2014	62	28.79	731.266	S	0.07	0.0		0.2	20.9	78.9	
12/12/2014	34	29	736.6	S	0.04	0.0		5.2	16.2	78.6	
1/15/2015	30	28.79	731.266	S	7.7	0.0		5.6	16.6	77.8	
3/13/2015	50	28.9	734.06	S	0.16	0.0		0.9	20.3	78.8	
6/10/2015	74	28.7	728.98	S	-5.88	0.0		0.0	21.0	79.0	
9/9/2015	69	25.85	656.59	S	-6.32	0.0		0.2	20.6	79.2	
12/17/2015	27	28.68	728.472	S	-0.04	0.0		0.1	21.3	78.6	
3/17/2016	40	28.69	728.726	S	-0.13	0.0		0.0	21.3	78.7	
6/14/2016	68	28.79	731.27	F	-0.54	0.0		0.3	20.0	79.7	
9/20/2016	73	29.07	738.38	R	0.07	0.0		0.2	19.5	80.3	
12/8/2016	19	29.27	743.46	R	-0.12	0.1		0.1	21.0	78.8	
1/16/2017	23	28.96	735.58	F	0.44	0.1		3.6	17.0	79.3	
3/28/2017	38	29.11	739.39	S		0		0	21.1	78.9	
6/21/2017	68	29.95	760.73	S	0.06	0		0	20	80	
9/22/2017	82	29.9	759.46	S	1.89	0		0	20	80	
12/19/2017	35	28.8	731.52	R	-5.14	0		0	20.8	79.2	
3/14/2018	25	28.89	733.806	S	Could not access, under 2" of ice						
*6/19/2018	59	28.98	736.092	S	0.04	0.5	10	0.8	19.7	79	
*9/24/2018	60	29.95	760.73	S	0.22	0.1	2	6.2	3.7	90	
12/28/2018	22	28.86	733.04	S	-1.07	0	0	0	20.5	79.5	
*1/7/2019	37	29.51	749.55	S	-0.96	0.1	2	13.9	1.4	84.6	
3/20/2019	35	29.89	759.206	S	-0.15	0	0	13.3	2.2	84.5	
6/18/2019	70	29.99	761.746	S	-0.44	0.1	2	1.9	18	80	
9/24/2019	58	29.81	757.17	S	-0.28	0.1	2	8.6	9.6	81.7	
12/4/2019	31	28.87	733.298	R	-0.81	0	0	0	20.9	79.1	
3/17/2020	40	30.27	768.86	R	0.03	0	0	0.4	20.5	79.1	
6/5/2020	70	31.15	791.21	S	0	0	0	0	20.9	79.1	
9/29/2020	54	29	733.7	S	0.02	0	0	1.6	19.3	79.1	
12/10/2020	40	29.94	760.476	S	0	0	0	0.2	21.2	78.6	
3/19/2021	57	30.5	774.7	R	0	0	0	0	21.5	78.5	
6/16/2021	80	30.03	762.762	R	0.29	0.1	2	0	21.3	78.6	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0	20.3	79.6	

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 8D (DNR # 787)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
12/2/2021	41	29.89	759.206	R	0	0	0	0.1	20.2	79.7	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/10/2022	75	28.92	734.568	F	NA	0	0	0.1	20.8	79.1	
9/7/2022	73	29.13	739.902	R	0.13	0	0	0.1	21.2	78.7	
11/22/2022	30	29.04	737.616	R	-0.02	0	0	1.8	18.9	79.3	
3/7/2023	35	28.99	736.346	F	NA	0	0	0.1	21.3	78.6	
5/31/2023	81	28.86	733.044	R	NA	0	0	0.1	20.8	79.1	
9/18/2023	55	28.98	736.092	F	NA	0	0	2.5	19.2	78.3	
12/15/2023	38	29.24	742.696	F	NA	0.1	2	0.3	22.6	77	

R: Rising; S: Same; F: Falling
LEL of methane is 5.0%
*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 9 (DNR # 788)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.1	0.0%		2.9%	16.4%	81.7%	
3/27/2012	68	28.54	724.92	R	0.00	0.0%		0.0%	20.5%	79.5%	
6/13/2012	68	28.94	735.08	S	0.21	0.0%		0.0%	20.6%	79.4%	
9/10/2012	69	28.89	733.81	F	0.07	0.0%		0.0%	20.0%	80.0%	
10/22/2012	60	28.76	730.50	R	0	0.0%		0.0%	20.5%	79.5%	
10/31/2012	40	30	762.00	F	0.1	0.0		1.6	18.9	79.5	Blower off
11/7/2012	39	29.03	737.36	F	-0.04	0.0		2.0	18.4	79.6	Blower off
11/19/2012	50	30.06	763.52	S	0.06	0.0%		0.3%	19.9%	79.8%	Blower off
12/7/2012	34	30.03	762.76	S	0.39	0.0%		0.0%	21.4%	78.6%	Blower off
12/27/2012	20	30.25	768.35	F	0.06	0.0		1.5	19.5	79.0	Blower off
1/8/2013	32	29.83	757.68	F	0.58	0.0		2.4	17.9	79.7	Blower off
1/23/2013	11	30.17	766.32	S	0	0.0		3.0	18.0	79.0	Blower off
3/27/2013	38	30.34	770.64	S	0.15	0.0		2.7	16.0	81.2	Blower off
4/18/2013	33	28.52	724.41	F	0.27	0.0%		3.7%	15.3%	81.0%	Blower off
5/13/2013	50	28.81	731.77	S	0.37	0.0%		0.4%	18.5%	81.1%	Blower off
6/20/2013	80	28.85	732.79	S	0.21	0.0%		0.0%	19.5%	80.5%	
9/17/2013	70	28.95	735.33	F	0.16	0.0		0.5	18.7	80.8	
12/18/2013	26	28.62	726.95	F	0.46	0.0%		4.4%	15.1%	80.5%	
3/18/2014	30	29.78	756.41	S	-0.2	0.0%		3.8%	15.5%	80.7%	
6/10/2014	69	28.85	732.79	F	-0.25	0.0%		1.1%	20.1%	78.8%	
9/3/2014	62	28.79	731.27	S	0.16	0.0%		0.5%	20.5%	79.0%	
12/12/2014	34	29	736.60	S	0.09	0.0%		2.8%	17.7%	79.5%	
3/13/2015	50	28.9	734.06	S	0.18	0.0%		2.2%	18.0%	79.8%	
6/10/2015	74	28.7	728.98	S	-1.12	0		0	21	79	
9/9/2015	69	25.85	656.59	S	-1.18	0		0.2	20.6	79.2	
12/17/2015	27	28.68	728.47	S	-0.07	0		3.2	16.8	80	
3/17/2016	40	28.69	728.73	S	-0.27	0		0	21.2	78.8	
6/14/2016	68	28.79	731.27	F	0.48	0		2.1	17.9	80	
9/20/2016	73	29.08	738.63	R	0.05	0		1	18.4	80.6	
12/8/2016	19	29.27	743.46	R	-0.32	0.1		3.3	17.5	79.1	
1/16/2017	23	28.98	736.09	F	0.55	0.1		3	18.1	78.8	
3/28/2017	38	29.11	739.39	S		0		0	21	79	
6/21/2017	68	29.95	760.73	S	0.07	0		0	20.1	79.9	
9/22/2017	82	29.9	759.46	S	-3.66	0		0	19.7	80.3	
12/19/2017	35	28.8	731.52	R	-0.35	0		0	21.3	78.7	
3/14/2018	25	28.89	733.81	S	0.18	0	0	0	19.5	80.5	
*6/19/2018	59	28.98	736.09	S	0.1	0	0	0	20.8	79.2	
*9/24/2018	60	29.95	760.73	S	0.43	0.1	2	0.6	18.7	80.6	
12/28/2018	22	28.86	733.04	S	-0.46	0	0	2.4	18.2	79.4	
3/20/2019	35	29.89	759.21	S	Could not access						
6/18/2019	70	29.99	761.75	S	-0.12	0.1	2	0	20.1	79.8	
9/24/2019	58	29.81	757.17	S	-0.07	0.1	2	0.3	19.5	80.1	
12/4/2019	31	28.87	733.30	R	-0.95	0	0	2.2	18.5	79.3	
3/17/2020	40	30.27	768.86	R	0.12	0	0	0.1	20.8	79.1	
6/5/2020	70	31.15	791.21	S	-0.19	0	0	0	21	79	
9/29/2020	54	29	733.70	S	-6.63	0	0	0.1	20.9	79	
12/10/2020	40	29.94	760.48	S	0.11	0	0	0.2	20.9	78.9	
3/19/2021	57	30.5	774.70	R	-0.04	0	0	0	21.5	78.5	
6/16/2021	80	30.03	762.76	R	0.36	0.1	2	0	21.5	78.4	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.1	20	79.8	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.1	79.7	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/10/2022	75	28.92	734.57	F	NA	0	0	0.1	21	78.9	
9/7/2022	73	29.13	739.90	R	0.19	0	0	0	21.5	78.5	
11/22/2022	30	29.04	737.62	R	0	0	0	0.3	20.2	79.5	
3/7/2023	35	28.99	736.35	F	NA	0	0	2.2	18.1	79.7	
5/31/2023	81	28.86	733.04	R	NA	0	0	0.1	20.9	79	

9/18/2023	55	28.98	736.09	F	NA	0	0	0.1	21.3	78.6	
12/15/2023	38	29.24	742.696	F	NA	0.1	2	0.2	22.6	77.1	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: GMW - 10 (DNR # 789)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.21	0.0%		2.0%	14.7%	83.3%	
3/27/2012	68	28.54	724.916	R	0.00	0.0%		0.0%	20.5%	79.5%	
6/13/2012	68	28.94	735.076	S	0.22	0.0%		0.0%	20.6%	79.4%	
9/10/2012	69	28.89	733.806	F	0.2	0.0%		0.0%	19.9%	80.1%	
10/22/2012	60	28.76	730.504	R	0	0.0%		0.0%	20.6%	79.4%	
12/7/2012	34	30.03	762.762	S	0.03	0.0		0.0	21.4	78.6	Blower off
12/27/2012	20	30.25	768.35	F	0.11	0.0		2.9	15.2	81.9	Blower off
1/8/2013	32	29.83	757.682	F	0.2	0.0		2.9	14.9	82.2	Blower off
1/23/2013	11	30.17	766.318	S	-0.01	0.0		2.7	16.9	80.4	Blower off
3/27/2013	38	30.34	770.636	S	0.65	0.0		2.2	14.4	83.3	Blower off
4/18/2013	33	28.52	724.408	F	0.75	0.0%		3.0%	15.0%	82.0%	Blower off
5/13/2013	50	28.81	731.774	S	0.38	0.0%		2.8%	14.0%	83.2%	Blower off
6/20/2013	80	28.85	732.79	S	0.23	0.0%		0.1%	19.3%	80.6%	
9/17/2013	70	28.95	735.33	F	0.21	0.0		1.0	17.1	81.9	
12/18/2013	26	28.62	726.948	F	-0.15	0.0%		2.1%	15.2%	82.7%	
3/18/2014	30	29.78	756.412	S	Under ice and water						
6/10/2014	69	28.85	732.79	F	1.41	0.0%		1.1%	19.3%	79.6%	
9/3/2014	62	28.79	731.266	S	0.37	0.0%		0.4%	20.6%	79.0%	
12/12/2014	34	29	736.6	S	0.23	0.0%		1.2%	18.2%	80.6%	
3/13/2015	50	28.9	734.06	S	0.16	0		0.1	21.8	78.1	
6/10/2015	74	28.7	728.98	S	-1.14	0		0	20.9	79.1	
9/9/2015	69	25.85	656.59	S	-1.25	0.1		0.2	20.7	79.1	
12/17/2015	27	28.68	728.472	S	-0.11	0		0.1	20.7	79.2	
3/17/2016	40	28.69	728.726	S	-0.36	0		0	21.2	78.8	
6/14/2016	68	28.79	731.27	F	-0.53	0		1.2	17.2	81.6	
9/20/2016	73	29.08	738.63	R	0.09	0		0.1	19.4	80.5	
12/8/2016	19	29.27	743.46	R	-0.47	0.1		0.1	20.9	78.9	
1/16/2017	23	28.95	735.33	F	0.52	0.1		0.6	21.1	78.2	
3/28/2017	38	29.11	739.39	S		0		0	21	79	
6/21/2017	68	29.95	760.73	S	-0.07	0		0	20	80	
9/22/2017	82	29.9	759.46	S	2.41	0		0.1	19.9	80	
12/19/2017	35	28.8	731.52	R	0.32	0		0.1	20.8	79.1	
3/14/2018	25	28.89	733.806	s	0.18	0	0	1.4	18.4	80.2	
*6/19/2018	59	28.98	736.092	S	0.12	0	0	0	20.8	79.2	
*9/24/2018	60	29.95	760.73	S	0.6	0.1	2	0.8	17.4	81.7	
12/28/2018	22	28.86	733.04	S	-1.42	0	0	0	19.7	80.3	
3/21/2019	35	29.89	759.206	S	-0.11	0	0	0	21	79	
6/18/2019	70	29.99	761.746	S	-0.43	0.1	2	0.1	20.1	79.7	
9/24/2019	58	29.81	757.17	S	-0.03	0.1	2	0.6	17.8	81.5	
12/4/2019	31	28.87	733.298	R	-9.85	0.1	2	0	20.9	79	
3/17/2020	40	30.27	768.86	R	0.13	0	0	0.1	20.8	79.1	
6/5/2020	70	31.15	791.21	S	-0.27	0	0	0	20.9	79.1	
9/29/2020	54	29	733.7	S	-4.98	0	0	0.8	18.5	80.7	
12/10/2020	40	29.94	760.476	S	3.69	0	0	0.1	21.2	78.7	
3/19/2021	57	30.5	774.7	R	-0.04	0	0	0	21.5	78.5	
6/16/2021	80	30.03	762.762	R	0.32	0.1	2	0	21.5	78.4	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.7	18.2	81	
12/2/2021	41	29.89	759.206	R	0	0	0	0.1	20.2	79.7	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/10/2022	75	28.92	734.568	F	NA	0	0	0.2	21.1	78.7	
9/7/2022	73	29.13	739.902	R	0.2	0	0	0.2	21.2	78.6	
11/22/2022	30	29.04	737.616	R	0.03	0	0	0.4	19.6	80	
3/7/2023	35	28.99	736.346	F	NA	0	0	0.2	21.1	78.7	
5/31/2023	81	28.86	733.044	R	NA	0	0	0	21	79	
9/18/2023	55	28.98	736.092	F	NA	0	0	2.2	20.5	77.3	
12/15/2023	38	29.24	742.696	F	NA	0	0	0.2	22.5	77.3	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: MW - 4 (DNR # 004)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.05	0.0%		3.3%	16.2%	80.5%	
3/27/2012	68	28.54	724.92	R	0.00	0.0%		0.1%	20.6%	79.2%	
6/13/2012	68	28.93	734.82	S	0.08	0.0%		2.6%	16.8%	80.6%	
9/10/2012	69	28.89	733.81	F	0.07	0.0%		3.8%	14.4%	81.8%	
10/22/2012	60	28.76	730.50	R	0	0.0%		0.0%	20.5%	79.5%	
10/31/2012	40	30	762.00	F	0.05	0.0		4.8	12.2	83.0	Blower off
12/7/2012	34	30.03	762.76	S	0.69	0.0%		2.7%	17.8%	79.5%	Blower off
3/27/2013	38	30.34	770.64	S	0	0.0		0.0	20.8	79.2	Blower off
6/20/2013	80	28.85	732.79	S	0.68	0.0%		0.2%	19.0%	80.8%	
9/17/2013	70	28.95	735.33	F	0.06	0.0		4.0	13.1	82.9	
12/18/2013	26	28.62	726.95	F	-0.3	0.0%		3.1%	17.5%	79.4%	
3/18/2014	30	29.78	756.41	S	-0.36	0.0%		0.1%	22.4%	77.5%	
6/10/2014	69	28.85	732.79	F	-0.22	0.0%		2.8%	15.1%	82.1%	
9/3/2014	62	28.79	731.27	S	0.01	0.0%		2.0%	17.9%	80.1%	
12/12/2014	34	29	736.60	S	-0.01	0.0%		2.8%	18.3%	78.9%	
3/13/2015	50	28.9	734.06	S	0.16	0.0%		0.3%	21.5%	78.2%	
6/10/2015	74	28.7	728.98	S	-1.16	0.0%		0.1%	21.0%	78.9%	
9/9/2015	69	25.85	656.59	S	-1.17	0.0%		0.0%	20.9%	79.1%	
12/17/2015	27	28.68	728.47	S	-0.04	0.0%		0.1%	20.8%	79.1%	
3/17/2016	40	28.69	728.73	S	-0.08	0.0%		0.0%	21.3%	78.7%	
6/14/2016	68	28.79	731.27	F	-0.6	0.0%		0.0%	20.4%	79.6%	
9/20/2016	73	29.10	739.14	R	0.48	0.0%		0.0%	19.6%	80.4%	
12/1/2016	33	28.81	731.77	R	-0.05	0.1%		0.1%	19.9%	79.9%	
3/28/2017	38	29.12	739.65	S		0%		0%	21%	79%	
6/21/2017	68	29.95	760.73	S	0.06	0.0%		0.0%	20.1%	79.9%	
9/22/2017	82	29.9	759.46	S	2.22	0		0	19.9	80.1	
12/19/2017	35	28.8	731.52	R	-0.03	0		0	21.1	78.9	
3/14/2018	25	28.89	733.81	S	-0.03	0	0	2.3	19.8	77.9	
*6/19/2018	59	28.98	736.09	S	0.01	0	0	0.4	19.3	80.3	
*9/24/2018	60	29.95	760.73	S	0.02	0.2	4	2.9	15.4	81.5	
12/28/2018	22	28.86	733.04	S	-30.49	0	0	0.1	21.6	78.3	
3/20/2019	35	29.89	759.21	S	-0.14	0	0	0.1	20.9	79	
6/18/2019	70	29.99	761.75	S	0.17	0	0	0	20.1	79.9	
9/24/2019	58	29.81	757.17	S	-0.44	0.8	16	0.4	19.2	79.6	
12/4/2019	31	28.87	733.30	R	1.45	0.1	2	0	20.9	79	
3/17/2020	40	30.27	768.86	R	0.41	0.1	2	0.2	20.8	78.9	
6/5/2020	70	31.15	791.21	S	1.72	0	0	0	20.8	79.2	
9/29/2020	54	29	733.70	S	0.01	0	0	0.4	19	80.6	
12/10/2020	40	29.94	760.48	S	1.42	0	0	0.1	21.2	78.7	
3/19/2021	57	30.5	774.70	R	0.97	0	0	0	21.3	78.7	
6/16/2021	80	30.03	762.76	R	0.77	0.1	2	0	21.2	78.7	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0	20.1	79.8	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.1	79.8	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.1	20.9	79	
6/9/2022	75	28.92	734.57	F	0.66	0	0	0	20.1	78.8	
9/7/2022	73	29.13	739.90	R	0.02	0	0	0.1	21.6	78.3	
11/22/2022	30	29.04	737.62	R	-0.02	0	0	2.4	18.8	78.8	
3/7/2023	35	28.99	736.35	F	0.02	0	0	2.1	18.4	79.5	
5/31/2023	81	28.86	733.04	R	0.01	0	0	1.4	19.2	79.4	
9/18/2023	55	28.98	736.09	F	NA	0	0	3.7	11.9	84.4	
12/15/2023	38	29.24	742.696	F	NA	0	0	0.1	22.7	77.2	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: MW-7 (DNR # 007)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0.07	0.0%		9.4%	3.3%	87.3%	
3/27/2012	68	28.54	724.92	R	4.00	0.0%		0.2%	20.2%	79.6%	
6/13/2012	68	28.96	735.58	S	0.08	0.0%		0.0%	20.4%	79.6%	
9/10/2012	69	28.89	733.81	F	0.13	0.0%		3.6%	16.5%	79.9%	
10/22/2012	60	28.76	730.50	R	0	0.0%		0.0%	20.5%	79.5%	
10/31/2012	40	30	762.00	F	0.08	0.0		4.2	13.6	82.2	Blower off
12/7/2012	34	30.03	762.76	S	0	0.0%		0.0%	21.0%	79.0%	Blower off
3/27/2013	38	30.34	770.64	S	0	0.0		0.0	20.5	79.5	Blower off
6/20/2013	80	28.85	732.79	S	1.37	0.0%		0.0%	18.7%	81.3%	
9/17/2013	70	28.95	735.33	F	0.82	0.0		3.8	16.6	79.6	
12/18/2013	26	28.62	726.95	F	0.6	0.0%		5.9%	16.1%	78.0%	
3/18/2014	30	29.78	756.41	S	-0.36	0.0%		0.1%	22.4%	77.5%	
6/10/2014	69	28.85	732.79	F	0.79	0.0%		0.1%	21.2%	78.7%	
9/3/2014	62	28.79	731.27	S	0.78	0.0%		0.1%	20.8%	79.1%	
12/12/2014	34	29	736.60	S	0	0.0%		0.3%	21.5%	78.2%	
3/13/2015	50	28.9	734.06	S	0.15	0.0%		0.3%	21.3%	78.4%	
6/10/2015	74	28.7	728.98	S	-1.24	0.0%		0.1%	21.1%	78.8%	
9/9/2015	69	25.85	656.59	S	-1.17	0.0%		0.1%	20.7%	79.2%	
12/17/2015	27	28.68	728.47	S	-0.01	0.0%		0.1%	21.1%	78.8%	
3/17/2016	40	28.69	728.73	S	-0.15	0.0%		0.0%	21.5%	78.5%	
6/14/2016	68	28.8	731.52	F	-0.56	0.0		2.5	17.7	79.8	
9/20/2016	73	29.08	738.63	R	-0.01	0.0%		0.0%	19.8%	80.2%	
12/1/2016	33	28.81	731.77	R	-0.16	0.1%		0.1%	20.2%	79.6%	
3/28/2017	38	29.15	740.41	S		0		0	21	79	
6/21/2017	68	29.95	760.73	S	0	0.0		0.0	20.1	79.9	
9/22/2017	82	29.9	759.46	S	1.51	0		0	20	80	
12/19/2017	35	28.8	731.52	R	-0.08	0		0	21.4	78.6	
3/14/2018	25	28.89	733.81	S	0.06	0	0	3.3	16.5	80.2	
*6/19/2018	59	28.98	736.09	S	0.01	0	0	4.4	16.9	78.7	
*9/24/2018	60	29.95	760.73	S	0.29	0.1	2	1.9	17.6	80.4	
12/28/2018	22	28.86	733.04	S	-1.18	0	0	0	21.6	78.4	
3/20/2019	35	29.89	759.21	S	0.69	0	0	0.3	20.8	78.9	
6/18/2019	70	29.99	761.75	S	0.41	0.1	2	1.9	17.9	80.1	
9/24/2019	58	29.81	757.17	S	0.84	0.1	2	1.9	17.8	80.2	
12/4/2019	31	28.87	733.30	R	1.04	0.1	2	0.1	21	78.8	
3/17/2020	40	30.27	768.86	R	0.8	0	0	0.2	20.5	79.3	
6/5/2020	70	31.15	791.21	S	2.28	0	0	0	21.1	78.9	
9/29/2020	54	29	733.70	S	1.36	0	0	0	21	79	
12/10/2020	40	29.94	760.48	S	0.34	0	0	0.1	21.3	78.6	
3/20/2021	57	30.5	774.70	R	1.31	0	0	0	21.3	78.7	
6/16/2021	80	30.03	762.76	R	0.9	0.1	2	0	21.5	78.4	
9/13/2021	67	29.97	761.24	R	0	0.1	2	1.1	18.3	80.5	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.1	79.8	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.3	19.9	74.3	
6/9/2022	75	28.92	734.57	F	0.13	0	0	0	19.8	77.6	
9/7/2022	73	29.13	739.90	R	0.04	0	0	0.1	21	78.9	
11/22/2022	30	29.04	737.616	R	0.01	0	0	0.5	21.5	78	
3/7/2023	35	28.99	736.35	F	0.02	0	0	0.9	20.8	78.3	
5/31/2023	81	28.86	733.044	R	0.01	0	0	0.3	21.1	78.6	
9/18/2023	55	28.98	736.092	F	NA	0	0	1.6	17.6	80.8	
12/15/2023	38	29.24	742.696	F	NA	0	0	0.1	20.1	76.8	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 9
GAS PROBE MONITORING
Junker Sanitary Landfill FID # 656026800

PROBE NUMBER: MW - 13 (DNR # 019)

DATE	AMBIENT TEMP °F	BARO PRESS & TREND IN Hg	BARO PRESS mm HG	BARO PRESS TREND	STATIC PRESSURE in H20	METHANE % CH4	METHANE % LEL	CARBON DIOXIDE % CO2	OXYGEN % O2	BALANCE GAS % GAS	COMMENTS
1/10/2012	48	29.85	758.19	F	0	0.0%		0.0%	20.7%	79.3%	
4/4/2012	68	28.9	734.06		0.26	0.0%		1.3%	18.7%	79.9%	
6/13/2012	68	28.91	734.31	S	0.19	0.1%		1.9%	18.8%	79.2%	
9/10/2012	69	28.89	733.81	F	0	0.0%		2.1%	18.5%	79.4%	
10/31/2012	40	30	762.00	F	-0.02	0.0		2.5	16.5	81.0	Blower off
12/7/2012	34	30.03	762.76	S	0.01	0.0%		1.0%	19.2%	79.8%	Blower off
1/8/2013	32	29.83	757.68	F	0.05	0.0		3.4	17.0	79.6	Blower off
3/27/2013	38	30.34	770.64	S	-0.02	0.0		0.0	20.7	79.3	Blower off
6/20/2013	80	28.85	732.79	S	0.04	0.0%		1.3%	17.9%	80.8%	
9/17/2013	70	28.95	735.33	F	0.11	0.0		2.2	17.4	80.4	
12/18/2013	26	28.62	726.95	F	-0.37	0.0%		1.3%	18.9%	79.8%	
3/18/2014	30	29.78	756.41	S	-0.29	0.0%		0.3%	21.5%	78.2%	
6/10/2014	69	28.85	732.79	F	-0.22	0.0%		1.3%	19.7%	80.0%	
9/3/2014	62	28.79	731.27	S	0.12	0.0%		5.0%	18.8%	79.7%	
12/12/2014	34	29	736.60	S	-0.04	0.0%		1.8%	19.3%	78.9%	
3/13/2015	50	28.9	734.06	S	0.15	0.0%		0.9%	20.7%	78.4%	
6/10/2015	74	28.7	728.98	S	-1.11	0.0%		0.0%	21.2%	78.8%	
9/9/2015	69	25.85	656.59	S	-1.19	0.0%		0.1%	20.8%	79.1%	
12/17/2015	27	28.68	728.47	S	-0.06	0.0%		0.1%	21.7%	78.2%	
3/17/2016	40	28.69	728.73	S	-0.11	0.0%		0.0%	21.4%	78.6%	
6/14/2016	68	28.8	731.52	F	-0.62	0.0%		0.0%	20.4%	79.6%	
9/20/2016	73	29.02	737.11	R	0.01	0.1%		0.0%	19.8%	80.1%	
12/29/2016	29	28.81	731.77	R	-1.06	0.1%		0.0%	20.5%	79.4%	
3/28/2017	38	29.08	738.63	S		0		1.1	19.8	79.1	
6/21/2017	68	29.95	760.73	S	0.14	0.1		0.8	19.2	79.9	
9/22/2017	82	29.9	759.46	S	1.49	0		0.1	20.4	79.5	
12/19/2017	35	28.8	731.52	R	-0.02	0		0	20.4	79.6	
3/14/2018	25	28.89	733.81	S	0.04	0	0	2.1	19	78.9	
*6/19/2018	59	28.98	736.09	S	0.01	0	0	0.9	19.7	79.4	
*9/24/2018	60	29.95	760.73	S	-9.34	0.1	2	1.7	17.5	80.7	
12/28/2018	22	28.86	733.04	S	-0.91	0	0	0	21.7	78.3	
3/20/2019	35	29.89	759.21	S	Could not access						
6/18/2019	70	29.99	761.75	S	-0.58	0	0	0	20.2	79.8	
9/24/2019	58	29.81	757.17	S	-0.47	0.1	2	1.7	18.3	79.9	
12/4/2019	31	28.87	733.30	R	-0.6	0	0	0	20.5	79.5	
3/17/2020	40	30.27	768.86	R	0	0	0	1	19.4	79.6	
6/5/2020	70	31.15	791.21	S	0.08	0	0	0	21.4	78.6	
9/29/2020	54	29	733.70	S	0.01	0	0	0	19.8	80.2	
12/10/2020	40	29.94	760.48	S	-0.03	0	0	0.1	21.2	78.7	
3/21/2021	57	30.5	774.70	R	0	0	0	0	20.6	79.4	
6/16/2021	80	30.03	762.76	R	0	0	0	0.1	20.5	79.4	
9/13/2021	67	29.97	761.24	R	0	0.1	2	0.9	19.1	79.9	
12/2/2021	41	29.89	759.21	R	0	0	0	0.1	20.1	79.8	
3/28/2022	30	29.7	754.38	R	NA	0	0	0.5	20.3	75	
6/9/2022	75	28.92	734.57	F	0	0	0	0	20.2	79.2	
9/7/2022	73	29.13	739.90	R	0.03	0	0	0	21.7	78.3	
11/22/2022	30	29.04	737.616	R	0.02	0	0	0.1	22.1	77.8	
3/7/2023	35	28.99	736.35	F	0.01	0	0	0.7	21.4	77.9	
5/31/2023	81	28.86	733.044	R	0.01	0	0	0.8	20.9	78.3	
9/18/2023	55	28.98	736.092	F	NA	0	0	0	21.3	78.7	
12/15/2023	38	29.24	742.696	F	NA	0	0	1.1	20.2	78.7	

R: Rising; S: Same; F: Falling

LEL of methane is 5.0%

*Manually restarted blower system

TABLE 10

GROUNDWATER ELEVATIONS

Junker Sanitary Landfill FID # 656026800

Date	MONITORING WELLS																			
	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15A	MW-15B	MW-15C	MW-16	MW-16B	MW-17A	MW-17B	MW-18A	MW-18B
Top of Casing	986.92	1017.64	-	1009.68	1013.01	1003.34	1006.57	1006.18	1034.16	1065.54	1011.85	970.75	924.29	924.52	924.66	915.13	896.1	910.28	910.49	865.43	865.54
*Top of Casing	-	-	-	1010.04	-	1003.66	1007.64	1008.33	-	-	-	-	-	-	-	-	-	-	-	-	-
8/2/2011	894.8	896.84	-	896.63	898.23	897.59	897.51	896.83	900.13	907.42	898.09	896.05	849.85	847.96	847.8	849.64	-	-	-	-	-
6/12/2012	894.29	896.77	-	896.28	898.17	898.66	897.37	896.45	900.19	907.53	897.95	895.82	dry	847.82	847.66	849.72	-	-	-	-	-
6/24/2013	893.7	896.34	-	dry	897.91	897.06	896.96	896.15	899.86	906.86	897.53	895.35	dry	846.85	846.84	848.66	-	-	-	-	-
6/18/2014	894.74	897.26	-	897.21	898.66	898.02	897.9	896.98	900.61	907.97	898.33	896.84	849.2	849.38	849.39	851.12	-	-	-	-	-
6/8/2015	896.37	897.84	-	897.77	899.25	898.55	898.47	898.08	901.51	908.93	899.01	897.44	850.27	850.36	850.77	852.27	-	-	-	-	-
6/16/2016	896.51	897.72	-	897.65	899.11	898.44	898.36	898.00	901.31	908.39	898.93	897.32	850.32	850.42	850.41	852.31	-	-	-	-	-
6/5/2017	898.1	898.4	-	898.35	899.73	899.13	899.05	898.8	902.19	908.74	899.9	899.03	852.85	852.92	853.3	854.33	-	-	-	-	-
6/22/2018	dry	898.21	-	898.15	899.88	898.91	899.16	898.28	901.83	909.05	899.42	898.05	851.14	851.17	851.78	853.09	-	-	-	-	-
6/17/2019	dry	899.08	-	898.99	900.62	899.94	899.99	899.7	902.31	908.64	900.17	899.27	852.94	-	853.38	854.88	-	-	-	-	-
6/16/2020	-	901.46	-	901.45	902.56	903.72	902.06	901.89	904.49	910.52	902.39	901.91	855.19	855.17	855.58	857.07	-	-	-	-	-
6/17/2021	900.18	900.78	-	900.6	901.91	901.32	901.18	900.95	903.95	910.69	901.79	901.26	853.96	853.97	854.36	855.8	-	-	-	-	-
6/22/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	855.39	857.83	852.11	850.22	850.53
6/30/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	855.26	857.72	852.29	850.06	850.41
6/30/2022	dry	898.4	-	898.11	900.03	898.92	898.75	898.47	904.53	909.1	899.54	898.34	851.81	851.87	852.25	852.41	853.32	855.61	850.66	848.41	848.73
6/6/2023	dry	897.47	-	897.18	899.17	898.02	897.7	897.32	900.91	908.72	898.67	897.01	850.76	850.86	851.25	851.34	852.34	855.31	849.84	847.62	847.75

Notes:
Groundwater Elevations recorded in feet above sea level
Reference elevations for top of casing elevations from Wenck, July 1995
Groundwater elevations from 8/2/11 from AllPhase, all others from Cedar
*Resurveyed MW-6, 8, 9, 10 on 7/8/21

Junker LF Monitoring Well Construction Details

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15A	MW-15B	MW-15C	MW-16	MW-16B	MW-17A	MW-17B	MW-18A	MW-18B	P-32	MW-33
WUWN	^	^	^	^	^	^	^	^	*GT505	*GT506	*GT504	*GT507	*GT501	*GT502	*GT503	*GT508	-	-	-	-	-	-	-
Date Drilled	1974	1985	1985	1985	10/19/1989	10/9/1989	10/3/1989	9/28/1989	2/8/1995	1/20/1995	1/13/1995	1/30/1995	1/11/1995	1/19/1995	2/2/1995	3/2/1995	5/19/2021	5/26/2021	5/25/2021	5/24/2021	5/20/2021	5/17/2021	5/17/2021
TOC (MSL)	986.91	1017.59	1002.62	1009.67	1012.99	1003.35	1006.55	1006.19	1034.16	1065.54	1011.85	970.75	924.29	924.52	924.26	915.13	896.1	910.28	910.49	865.43	865.54	1006.56	1006.63
Ground Elevation(MSL)	985.35	1012.5	1000.9	1007.56	1010.7	1001.2	1004.9	1004.9	1032.2	1063.5	1010.3	968.8	922.3	922.6	922.2	913.2	894.2	908.15	908.15	865.89	865.96	1004.96	1004.88
Well Bottom	89 / 896.4	127 / 885.5	115 / 885.9	114.5 / 893.1	123.4 / 887.3	115 / 884.4	120.5 / 884.4	140.7 / 864.2	155 / 877.2	175 / 888.5	125 / 885.3	92 / 876.8	75 / 847.3	151 / 771.6	200 / 722.2	70 / 843.2	95 / 799.2	75 / 833.2	110 / 798.2	140 / 725.9	80 / 786	155 / 850	120 / 884.9
Screen length	15?	15	15	15	15	15	15	5	20	20	20	20	20	20	20	20	10	20	10	10	10	10	20
In the landfill property	X	X		X	X	X	X	X															

*Based on 1995 Wenk SI

^Based on WDNR 1998 Operation and Maintenance

Resurveyed MW-6, 8, 9, 10 on 7/8/21

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-3

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/23/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Field pH	7.6	8.9	8.3	7.3	6.6	9.14	DRY	DRY		7.63	DRY	DRY
Field Temperature °C	10.5	11.4	12.1	12.5	10.4	12.3				17.5		
Field Odor	N	N	N	N	N	N	Well	Well	Well	N	Well	Well
Field Color	Y	Y	Y	Y	N	N				N		
Field Conductivity µS/cm	349	401	359	390	390	430	Not	Not	Broken	417	Not	Not
Field Turbidity	Y	Y	Y	Y	N	N				Y		
Alkalinity mg/L	200	250	180	190	220	210	Sampled	Sampled		188	Sampled	Sampled
Hardness as CaCO3 mg/L	250	220	180	200	230	230				188		
Chloride mg/L	13	43	15	15	12	-				12.7		
Chemical Oxygen Demand mg/L	15	<8.0	8.5	13	6.8	19				17.2		
Iron mg/L	**6**	**3.6**	**4.1**	**4.4**	**7.4**	**7.4**				**8.8**		
Manganese mg/L	**0.24**	**0.31**	**0.28**	**0.24**	**0.35**	**0.23**				**0.3**		
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38				<0.38		
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35				<0.35		
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41				<0.41		
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39				<0.39		
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36				<0.36		
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39				<0.39		
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39				<0.39		
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43				<0.43		
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25				<0.25		
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15				<0.15		
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51				<0.51		
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32				<0.32		
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41				<0.41		
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42				<0.42		
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49				<0.49		
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27				<0.27		
Dichlorodifluoromethane	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67				<0.67		
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18				<0.18		
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45				<0.45		
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28				<0.28		
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39				<0.39		
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39				<0.39		
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<1.6	<1.6				<1.6		
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34				<0.34		

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-3

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/23/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Styrene	<0.1	<0.1	<0.1	<0.1	<039	<039				<0.39		
Tetrachloroethene	<0.17	<0.17	<0.17	<0.17	<0.37	<0.37				<0.37		
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15				<0.15		
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35				<0.35		
Trichloroethene	4.2	4.7	4.1	3.6	2.6	3				1.5		
Trichlorofluoromethane	<0.19	<0.19	<0.19	<0.19	<0.43	<0.43				<0.43		
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20				<0.2		
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22				<0.22		
SVOCs in µg/L												
Acenaphthene	<0.34	<0.092	<0.25	<0.23								
Acenaphthylene	<0.3	<0.10	<0.21	<0.20								
Anthracene	<0.3	<0.14	<0.27	<0.25								
Benzo[a]anthracene	<0.041	<0.049	<0.045	<0.043								
Benzo[a]pyrene	<0.052	<0.056	<0.079	<0.075								
Benzo[b]fluoranthene	<0.054	<0.061	<0.064	<0.061								
Benzo[g,h,i]perylene	<0.39	<0.36	<0.30	<0.28								
Benzo[k]fluoranthene	<0.069	<0.13	<0.051	<0.048								
Benzoic acid	<4.3	<2.3	<4.6	<4.4								
Benzyl alcohol	<2.9	<1.9	<4.8	<4.6								
Bis(2-ethylhexyl) phthalate	-	-	-	-								
Chrysene	<0.13	<0.070	<0.054	<0.052								
Dibenz(a,h)anthracene	0.1	<0.085	<0.040	<0.038								
Dibenzofuran	<0.33	<0.13	<0.21	<0.20								
Diethyl phthalate	<0.41	<0.13	<0.29	<0.27								
Dimethyl phthalate	<0.36	<0.12	<0.25	<0.24								
Di-n-butyl phthalate	<0.75	<0.61	<0.58	<0.55								
Di-n-octyl phthalate	<2.3	<1.2	<0.84	<0.79								
Fluoranthene	<0.3	<0.15	<0.36	<0.34								
Fluorene	<0.36	<0.12	<0.19	<0.18								
Indeno[1,2,3-cd]pyrene	0.1	<0.057	<0.30	<0.057								
Naphthalene	<0.28	<0.12	<0.25	<0.23								
Pentachlorophenol	<5.2	<1.3	<3.1	<3.0								
Phenanthrene	<0.33	<0.16	<0.24	<0.23								

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-3

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/23/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Phenol	<0.34	<0.47	<0.53	<0.51								
Pyrene	<0.45	<0.17	<0.34	<0.32								

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-4

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/22/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Field pH	7.8	9.6	7.6	7.3	6.5	6.65	7.57	7.64	7.55	7.5	7.7	7.1
Field Temperature °C	11.6	11.4	12.6	N	11	11.4	16.3	13.2	4.5	16.8	20.3	20
Field Odor	N	N	N	N	N	N	N	N	N	N	N	N
Field Color	Y	Y	Y	N	N	N	N	N	N	N	N	N
Field Conductivity µS/cm	582	452	494	447	447	490	499	573	570	501	508	541
Field Turbidity	Y	Y	Y	N	N	N	N	N	N	N	N	N
Alkalinity mg/L	220	250	210	200	220	210	207	198	206	205	210	226
Hardness as CaCO3 mg/L	270	260	260	250	260	240	243	251	251	246	245	278
Chloride mg/L	13	14	18	14	15	17	14.8	18.4	15.5	16	16.6	17.4
Chemical Oxygen Demand mg/L	16	<8.0	<6.1	15	<6.1	10	<6.0	9.1 J	7.3 J	15.7	23	7.0 J
Iron mg/L	<0.07	<0.043	<0.043	<0.10	<.010	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082
Manganese mg/L	0.0018	<0.00094	<0.0020	<0.0034	<0.0034	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.46	<0.46	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.40	<0.40	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	3.3	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.90 J	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.73	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	0.33 JB
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.49	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	0.98	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<1.6	<1.6	<1.6	2.9 J	<1.6	<1.6	<1.6	<1.6
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	1.1 B	<0.34
Styrene	<0.1	<0.1	<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-4												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/22/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Tetrachloroethene	<0.17	<0.17	<0.17	<0.17	<0.37	<0.37	<0.37	0.46 J B	<0.37	<0.37	<0.37	<0.37
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.25 J	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	1.9	2.5	1.3	1.3	1	0.75	0.89	1	0.88	0.98	0.93	1
Trichlorofluoromethane	<0.19	<0.19	<0.19	<0.19	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.20
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	4.2 B	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-6												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/22/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Field pH	7.3	DRY	7.6	7	6.5	8.03	7.31	7.34	7.05	7.13	7.96	7.23
Field Temperature °C	11.4		13.2	13	11.3	12.8	15.8	11.7	4.3	21.6	19.6	19.6
Field Odor	N	Well	N	N	N	N	N	N	N	N	N	N
Field Color	N		Y	N	N	N	N	Y	Y	Y	Y	N
Field Conductivity µS/cm	826	Not	717	522	522	610	645	723	1535	615	608	624
Field Turbidity	Y		Y	N	N	N	N	Y	Y	Y	Y	N
Alkalinity mg/L	370	Sampled	260	240	260	250	251	235	256	163	260	254
Hardness as CaCO3 mg/L	200		360	300	300	310	295	351	302	304	301	315
Chloride mg/L	20		44	28	32	43	27.8	38.2	37.7	30.9	27.9	28.8
Chemical Oxygen Demand mg/L	10		25	6.5	<6.1	14	<6.0	52.8	28.6	52.5	19.1	10.4
Iron mg/L	<0.07		<0.043	<0.10	<0.10	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082
Manganese mg/L	0.0052		<0.0020	0.0043	<0.0034	<0.0023	<0.0023	<0.0023	<0.0023	0.0029	<0.0023	0.0023 J
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20		<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28		<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19		<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31		<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14		<0.14	<0.14	<0.34	<0.34	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dibromoethane	<0.36		<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28		<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20		<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18		<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzene	<0.074		<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34		<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18		<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	0.34 JB
cis-1,2-Dichloroethene	<0.12		<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18		<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32		<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33		<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.49	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20		<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13		<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26		<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15		<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14		<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24		<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	<0.68		<0.68	<0.68	<1.6	<1.6	<1.6	<1.6	<1.6	2.5	<1.6	3.9 JB
Naphthalene	<0.16		<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	0.58 JB	<0.34
Styrene	<0.1		<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-6												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/22/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Tetrachloroethene	0.48		<0.17	<0.17	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Toluene	<0.11		<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25		<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	0.69		<0.19	1.4	<0.16	<0.16	0.27	0.17 J	<0.16	<0.16	<0.16	0.40 J
Trichlorofluoromethane	<0.19		<0.19	<0.19	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	<0.10		<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.068		<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	0.30 JB	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-7												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/22/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Field pH	7.6	8.3	8	7.3	6.2	6.68	7.68	7.37	7.55	7.52	7.75	7.68
Field Temperature °C	10	10.9	11.8	11	10	11.3	15.6	12.9	5.5	19.8	20.7	18.1
Field Odor	N	N	N	N	N	N	N	N	N	N	N	N
Field Color	Y	N	N	N	N	N	N	Y	N	N	Y	Y
Field Conductivity µS/cm	451	421	453	477	477	540	560	611	592	500	536	429
Field Turbidity	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	Y
Alkalinity mg/L	200	230	190	200	220	220	207	202	207	206	208	217
Hardness as CaCO3 mg/L	260	240	230	260	280	270	254	272	220	253	259	267
Chloride mg/L	12	13	20	22	23	27	25.4	30.5	17.4	16.9	27.7	20.2
Chemical Oxygen Demand mg/L	<5.8	<8.0	8.5	<6.1	6.2	<6.0	<6.0	11.7	17.7	16.7	8.3 J	<6.0
Iron mg/L	<0.07	<0.043	<0.043	<0.10	<0.10	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082
Manganese mg/L	<0.0011	<0.00094	<0.0020	<0.0034	<0.0034	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	-	-	-	-	-	-	-	0.48 J	<0.37	<0.37	<0.37	<0.37
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	0.41 JB
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.49	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<1.6	<1.6	<1.6	2.8 J	<1.6	<1.6	2.3 JB	3.9 JB
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-7

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/22/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Styrene	<0.1	<0.1	<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Tetrachloroethene	<0.17	<0.17	<0.17	<0.17	<0.37	<0.37	<0.37	0.55 J B	<0.37	<0.37	<0.37	<0.37
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	4.7	3.6	2.7	1.6	1	0.96	0.78	0.99	0.81	0.8	0.62	0.99
Trichlorofluoromethane	<0.19	<0.19	<0.19	<0.19	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.2
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-8												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/22/2018	6/17/2019	6/23/2020	6/17/2021	6/30/2022	6/6/2023
Field pH	7.5	8.1	7.9	7.4	6	8.02	6.81	7.53	7.49	7.51	7.62	7.42
Field Temperature °C	10.9	10.9	11.7	14.4	10.9	12.5	16	14.4	4.2	22.1	18.3	18.2
Field Odor	N	N	N	N	N	N	N	N	N	N	N	N
Field Color	N	Y	Y	N	N	N	N	N	Y	Y	N	N
Field Conductivity µS/cm	476	493	526	481	481	540	559	593	588	512	535	575
Field Turbidity	Y	Y	Y	N	N	N	N	N	Y	Y	N	N
Alkalinity mg/L	210	240	190	200	230	220	208	204	217	200	213	214
Hardness as CaCO3 mg/L	290	270	270	270	280	280	265	293	246	270	263	283
Chloride mg/L	25	29	34	25	28	28	25.1	23.9	22.3	21.5	25.6	28.6
Chemical Oxygen Demand mg/L	<5.8	8.8	<6.1	<6.1	<6.1	<6.0	6.1	12.7	42.8	7.1	13	<6.0
Iron mg/L	<0.07	<0.043	<0.043	<0.10	<0.10	<0.082	<0.082	<0.082	0.13 J	<0.082	<0.082	<0.082
Manganese mg/L	<0.0011	<0.00094	<0.0020	<0.0034	<0.0034	0.017	<0.0023	<0.0023	0.0023 J	<0.0023	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	0.52 J	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	0.39 JB
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<1.6	<1.6	<1.6	<1.6	<1.6	2.4	2.2 JB	3.9 JB
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Styrene	<0.1	<0.1	<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-8												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/22/2018	6/17/2019	6/23/2020	6/17/2021	6/30/2022	6/6/2023
Tetrachloroethene	<0.17	<0.17	<0.17	<0.17	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Tetrahydrofuran	-	-	-	-	-	-	-	-	13	<1.9	<1.9	<1.9
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	<0.019	<0.019	<0.19	<0.19	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trichlorofluoromethane	<0.19	<0.19	<0.19	<0.19	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-9

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Field pH	7.6	9.1	7.3	7.2	5.9	8.33	8.08	7.61	7.4	7.42	7.54	7.65
Field Temperature °C	10.1	11.6	11.9	11.7	10.4	11.9	16.3	11	4.2	21.7	17.4	16.4
Field Odor	N	N	N	N	N	N	N	N	N	N	N	N
Field Color	N	Y	Y	N	N	N	N	N	N	N	N	N
Field Conductivity µS/cm	413	452	569	438	438	480	934	564	556	488	474	698
Field Turbidity	Y	Y	Y	N	N	N	N	N	N	N	N	N
Alkalinity mg/L	210	260	200	190	230	210	205	201	220	207	214	221
Hardness as CaCO3 mg/L	260	270	270	250	260	260	247	274	242	261	241	269
Chloride mg/L	13	16	26	13	15	16	13.8	17.3	13.3	13.7	15.4	15.6
Chemical Oxygen Demand mg/L	14	15	7.1	6.5	6.8	<6.0	6.7	11.2	<6.0	15.7	6.1	14.4
Iron mg/L	<0.07	<0.043	0.069	<0.10	<0.10	<0.082	0.093	<0.082	<0.082	<0.082	<0.082	<0.082
Manganese mg/L	0.0021	<0.00094	<0.0020	<0.0034	<0.0034	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.38	<0.38	<0.38	<0.38	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	0.40 JB
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.49	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<1.6	<1.6	<1.6	<1.6	<1.6	2.5	2.2 JB	3.9 JB
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Styrene	<0.1	<0.1	<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-9

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Tetrachloroethene	<0.17	<0.17	<0.17	<0.17	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	3.8	2.6	1.4	2.4	1.7	1.5	1.5	1.8	1.8	1.5	1.5	1.2
Trichlorofluoromethane	<0.19	<0.19	<0.19	<0.19	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	0.23 J	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-10

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Field pH	7.6	8.8	7.8	7.3	6.5	8.24	7.68	7.85	7.63	7.5	7.65	7.79
Field Temperature °C	10.8	11	11.2	11.9	9.2	12.6	17.8	13	4	21.9	14.6	16.2
Field Odor	N	N	N	N	N	N	N	N	N	N	N	N
Field Color	N	N	N	N	N	N	N	N	N	N	N	N
Field Conductivity µS/cm	398	413	433	438	438	470	707	529	603	488	473	472
Field Turbidity	Y	N	Y	N	N	N	N	N	N	N	N	N
Alkalinity mg/L	200	230	190	210	230	220	210	203	214	208	222	216
Hardness as CaCO3 mg/L	250	250	230	260	270	240	246	279	229	262	250	262
Chloride mg/L	7.4	9.7	12	9.5	9.5	8.9	8.2	9.7	9.4	11.1	11.1	11
Chemical Oxygen Demand mg/L	34	<8.0	26	6.5	<6.1	6	9.2	<6.0	<6.0	18.7	<6.0	<6.0
Iron mg/L	<0.07	<0.043	0.072	<0.10	<0.10	<0.082	0.11	<0.082	<0.082	<0.082	<0.082	<0.082
Manganese mg/L	0.0018	<0.00094	<0.0020	<0.0034	<0.0034	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	0.59	0.59	0.59	0.59	<0.41	0.56	0.45	0.54 J	0.43 J	0.59	0.53 J	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.49	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	0.86	0.9	0.9	<0.67	<0.67	<0.67	<0.67	<0.67	0.8	<0.18	<0.18
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<1.6	<1.6	<1.6	<1.6	<1.6	2.6	2.3 JB	4.0 JB
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Styrene	<0.1	<0.1	<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-10

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/5/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Tetrachloroethene	1.1	<0.17	1.1	1.2	<0.37	0.94	0.74	0.82 J	0.76 J	0.79	0.90 J	1
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	1.8	2.4	2.5	3	2	1.9	1.5	1.9	1.9	1.9	2.3	2.6
Trichlorofluoromethane	1.8	2.1	2.4	2.2	2	1.6	0.97	1.4	1.1	1.7	<0.43	1.5
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	0.27 J	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-11												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/28/2017	6/19/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Field pH	8.8	9.3	7.6	7.1	6.3	8.61	7.88	7.7	7.77	7.72	7.77	7.74
Field Temperature °C	10.4	12	12.3	11.9	9.8	10.8	12.3	7.81	2.7	19.9	16.3	13.9
Field Odor	N	N	N	N	N	N	N	N	N	N	N	N
Field Color	N	Y	N	N	N	N	Y	N	N	N	N	N
Field Conductivity µS/cm	392	439	537	604	604	640	615	492	563	452	430	515
Field Turbidity	Y	Y	Y	N	Y	Y	Y	N	N	N	N	N
Alkalinity mg/L	210	280	220	260	300	280	239	227	208	195	201	212
Hardness as CaCO3 mg/L	250	300	290	340	360	330	324	294	237	237	253	341
Chloride mg/L	10	35	37	46	50	52	32.9	33.5	7.9	10.4	8.9	12.9
Chemical Oxygen Demand mg/L	<5.8	20	9.4	8	6.8	9.2	27.6	12.7	10.9	13.1	<6.0	15.9
Iron mg/L	<0.07	<0.043	<0.043	<0.10	<0.10	<0.082	<0.082	<0.082	<0.082	0.13	0.11 J	<0.082
Manganese mg/L	<0.0011	<0.00094	<0.0020	<0.0034	<0.0034	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.36	<0.36	<0.36
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.34	<0.34	<0.34	<0.34	<0.36	<0.36	0.91 JB	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.83 JB	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	0.32 JB
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.49	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	<0.68	<0.68	<0.68	<0.68	<1.6	**5.3 c**	<1.6	3.1 J	<1.6	<1.6	2.8 J	5.1 B
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	0.73 JB	<0.34
Styrene	<0.1	<0.1	<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-11												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/28/2017	6/19/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Tetrachloroethene	<0.17	<0.17	<0.19	<0.19	<0.37	<0.37	<0.37	0.42 J B	<0.37	<0.37	<0.37	<0.37
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	<0.17	<0.17	<0.17	0.73	0.81	<0.16	0.76	1.5	0.76	0.93	1.4	1.1
Trichlorofluoromethane	<0.19	<0.19	1.1	<0.19	<0.43	1.2	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.2
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-12

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/23/2017	6/25/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Field pH	7.6	7.8	7.5	7.2	6.3	6.12	8.4	7.4	7.32	7.23	7.26	7.3
Field Temperature °C	10.5	13.4	10.9	10.7	11.2	13.1	14	12.1	7.3	23.1	18.1	18
Field Odor	N	N	N	N	N	N	N	N	N	N	N	N
Field Color	Y	N	N	N	N	N	N	N	N	N	N	N
Field Conductivity µS/cm	349	623	610	606	606	630	435	675	731	632	617	657
Field Turbidity	Y	N	Y	N	N	N	N	N	N	Y	N	Y
Alkalinity mg/L	200	390	300	320	370	340	343	333	313	318	333	331
Hardness as CaCO3 mg/L	250	410	370	380	390	400	363	363	346	358	353	372
Chloride mg/L	13	2.6	3.2	2.8	3.4	-	2.5	2.9	3.1	2.3	2.1	3.1
Chemical Oxygen Demand mg/L	15	15	<6.1	12	<6.1	24	17.5	13.2	8.3 J	8.1	22.5	23.8
Iron mg/L	<0.07	<0.043	<0.043	<0.10	<0.10	<0.082	<0.082	<0.082	<0.082	0.12	<0.082	<0.082
Manganese mg/L	<0.0011	<0.00094	0.0024	<0.0034	0.0058	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	0.80 JB	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.79 JB	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.35	<0.35
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.49	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20	<0.20	0.71	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	**11 c**	<0.68	<0.68	<0.68	<1.6	<1.6	<1.6	3.1 J	<1.6	<1.6	2.9 J	5.1 B
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Styrene	<0.1	<0.1	<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-12												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/23/2017	6/25/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Tetrachloroethene	0.54	1.7	<0.17	<0.17	<0.37	<0.37	<0.37	0.65 J B	<0.37	<0.37	<0.37	<0.37
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	<0.19	<0.19	<0.19	<0.19	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trichlorofluoromethane	2.5	2.5	1.6	1.4	1.5	1.3	1	1.4	0.70 J	1.1	1.1	0.79 J
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-13												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/26/2017	6/19/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Field pH	7.6	8.1	7.8	7.2	6.7	8.4	7.73	7.72	7.59	7.61	7.45	7.75
Field Temperature °C	10.5	11.2	11.5	10.5	9.9	11.8	11.4	8.6	4.5	18.1	18.8	13.3
Field Odor	N	N	N	N	N	N	N	N	N	N	N	N
Field Color	Y	N	N	N	N	Y	N	N	Y	N	N	N
Field Conductivity µS/cm	349	501	479	455	455	490	494	606	600	514	446	492
Field Turbidity	Y	N	N	N	Y	Y	N	N	Y	Y	Y	N
Alkalinity mg/L	200	290	210	230	260	230	224	163	235	219	217	217
Hardness as CaCO3 mg/L	250	300	270	280	270	250	244	198	254	252	246	258
Chloride mg/L	13	13	13	10	11	9.6	9.5	67.4	15	14.9	12.5	13.4
Chemical Oxygen Demand mg/L	15	14	9.4	<6.1	<6.1	<6.0	8.2	12.7	113	<6.0	9.6 J	<6.0
Iron mg/L	<0.07	<0.043	<0.043	<0.10	<0.10	0.084	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082
Manganese mg/L	<0.0011	<0.00094	<0.0020	<0.0034	<0.0034	0.088	<0.0023	0.22	<0.0023	<0.0023	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.49	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	**11 c**	<0.68	<0.68	<0.68	<1.6	<1.6	<1.6	2.9 J	<1.6	<1.6	2.2 JB	5.2 B
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Styrene	<0.1	<0.1	<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-13												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/26/2017	6/19/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Tetrachloroethene	0.56	<0.17	<0.17	<0.17	<0.37	<0.37	<0.37	0.55 J B	<0.37	<0.37	<0.37	<0.37
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.36	<0.36	<0.36
Trichloroethene	**5.9**	**5.1**	**6.9**	**11**	**9**	**9**	**6.4**	4.6	**6.1**	**6.8**	**7.1**	**6.2**
Trichlorofluoromethane	<0.19	<0.19	<0.19	1.1	1.1	1.2	0.73	0.62 J	0.62 J	0.91	<0.43	<0.43
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
SVOCs in µg/L												
Acenaphthene	<0.34				<0.24	<0.25		<0.23	<0.25 *	<0.24	<0.25	<0.25
Acenaphthylene	<0.3				<0.21	<0.22		<0.20	<0.22	<0.21	<0.22	<0.22
Anthracene	<0.3				<0.26	<0.27		<0.25	<0.27	<0.26	<0.27	<0.27
Benzo[a]anthracene	<0.041				0.17	<0.046		<0.042	<0.047	<0.045	<0.046	<0.046
Benzo[a]pyrene	<0.052				<0.076	<0.080		<0.074	<0.081	<0.078	<0.080	<0.080
Benzo[b]fluoranthene	<0.054				<0.062	<0.065		<0.060	<0.066	<0.063	<0.065*	<0.066
Benzo[g,h,i]perylene	<0.39				<0.29	<0.30		<0.28	<0.31	<0.29	<0.30	<0.31 ^c
Benzo[k]fluoranthene	<0.069				<0.049	<0.052		<0.048	<0.053	<0.050	<0.052	<0.052
Benzoic acid	<4.3				<4.5	<4.7		<4.3 ^c*	<4.7 ^c	<4.5	<4.7 ^c	<4.7
Benzyl alcohol	<2.9				<4.7	<4.9		<4.5	<5.0	<4.7	<4.9 ^c	<4.9
Bis(2-ethylhexyl) phthalate	-				-	-		-	-	1.4 J	<1.4	1.7 ^c
Chrysene	<0.13				0.19	<0.55		<0.051	<0.056	<0.054	<0.055	<0.055
Dibenz(a,h)anthracene	0.1				<0.039	<0.041		<0.038	<0.042	<0.040	<0.041*	<0.041 ^c
Dibenzofuran	<0.33				<0.20	<0.21		<0.20	<0.22	<0.21	<0.21	<0.21
Diethyl phthalate	<0.41				<0.28	<0.29		<0.27	<0.30	<0.28	<0.29	<0.29
Dimethyl phthalate	<0.36				<0.24	<0.25		<0.23	<0.26	<0.25	<0.25	<0.26
Di-n-butyl phthalate	<0.75				<0.56	<0.59		<0.54	<0.60	<0.57	<0.59	0.90 J
Di-n-octyl phthalate	<2.3				<0.81	<0.85		<0.78	<0.86	<0.83	<0.85	<0.85 ^c
Fluoranthene	<0.3				<0.35	<0.37		<0.34	<0.37	<0.36	<0.37	<0.37
Fluorene	<0.36				<0.19	<0.20		<0.18	<0.20	<0.19	<0.20	<0.20
Indeno[1,2,3-cd]pyrene	0.1				<0.058	<0.061		<0.056	<0.062	<0.059	<0.061	<0.061 ^c
Naphthalene	<0.28				<0.24	<0.25		<0.23	<0.25 *	<0.24	<0.25	<0.25
Pentachlorophenol	<5.2				<3.0	<3.2		<2.9	<3.2	<3.1	<3.2	<3.2 ^c
Phenanthrene	<0.33				<0.23	<0.24		<0.22	<0.25	<0.24	<0.24	<0.25

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-13

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/9/2015	6/16/2016	6/26/2017	6/19/2018	6/18/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Phenol	<0.34				<0.52	<0.54		<0.50	<0.55	<0.53	<0.54	<0.55 ^c
Pyrene	<0.45				0.52	<0.35		<0.32	<0.35	<0.34	<0.35	<0.35

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-14												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/28/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Field pH	7.7	8.2	7.9	6.9	6.7	6.3	7.59	7.51	7.55	7.24	7.42	8.05
Field Temperature °C	10.7	11.9	11.1	13.5	10.1	11.2	12.5	9.5	1.2	19.5	19.2	14.4
Field Odor	N	N	N	N	N	N	N	N	N	N	N	N
Field Color	N	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y
Field Conductivity µS/cm	486	496	451	554	554	590	625	656	765	608	610	582
Field Turbidity	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
Alkalinity mg/L	240	280	200	250	250	240	248	216	242	231	257	237
Hardness as CaCO3 mg/L	320	270	250	300	290	290	299	313	280	277	298	289
Chloride mg/L	17	14	10	24	22	28	28.4	35.3	35.9	31.3	27.6	31.1
Chemical Oxygen Demand mg/L	<5.8	22	8.9	7	<6.1	18	14	9.6 J	6.8 J	8.1	8.7 J	43.7
Iron mg/L	<0.07	<0.043	**0.11**	<0.10	<0.10	<0.082	0.11	<0.082	<0.082	<0.082	<0.082	<0.082
Manganese mg/L	<0.0011	0.002	0.028	<0.0034	<0.0034	<0.0023	<0.0023	<0.0023	0.0032 J	0.01	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	**11 c**	<0.68	<0.68	<0.68	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	2.3 JB	5.0 B
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Styrene	<0.1	<0.1	<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-14												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/28/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Tetrachloroethene	0.86	<0.17	<0.17	<0.17	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	0.97	1.0	0.7	0.7	<0.16	<0.16	0.26	0.26	<0.16	0.19	<0.16	0.40 J
Trichlorofluoromethane	<0.19	<0.19	<0.19	<0.19	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	0.24 J	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-15A												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/27/2017	6/22/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Field pH	DRY	DRY	8.1	8	6.9	8.7	8.39	8.19	8.1	7.88	8.04	7.96
Field Temperature °C			13.8	15.2	12	11.2	15.8	8.5	2.1	17.5	19.3	20.5
Field Odor	Well	Well	N	Y	N	N	N	N	N	N	N	N
Field Color			Y	N	Y	Y	Y	Y	Y	Y	Y	Y
Field Conductivity µS/cm	Not	Not	550	431	431	490	1633	543	606	521	344	475
Field Turbidity			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Alkalinity mg/L	Sampled	Sampled	180	200	240	220	229	227	247	226	237	238
Hardness as CaCO3 mg/L			250	230	250	260	242	275	226	256	244	276
Chloride mg/L			35	11	20	12	4.8	8	5.7	16.2	8.2	20.1
Chemical Oxygen Demand mg/L			7.1	6.5	8.3	8.1	9.2	18.3	27.3	16.2	13.2	15.9
Iron mg/L			<0.043	<0.10	<0.10	<0.082	0.2	<0.082	<0.082	<0.082	<.082	<.082
Manganese mg/L			<0.0020	<0.0034	<0.0034	<0.0023	<0.0023	<0.0023	<0.0023	0.0032	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane			<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane			<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane			<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene			<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene			<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	0.79 JB	<0.36
1,2-Dibromoethane			<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane			<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane			<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene			<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.78 JB	<0.25
Benzene			<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane			<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane			<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
cis-1,2-Dichloroethene			<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene			<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane			<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane			<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dichlorodifluoromethane			<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene			<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene			<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether			<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene			<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether			<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride			<0.68	<0.68	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	3.1 J	4.0 JB
Naphthalene			<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	0.70 JB	<0.34
Styrene			<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-15A												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/27/2017	6/22/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Tetrachloroethene			<0.17	<0.17	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Toluene			<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene			<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene			0.62	0.67	0.98	<0.16	0.34	0.28 J	0.36 J	0.64	0.36 J	1
Trichlorofluoromethane			<0.19	<0.19	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride			<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total			<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	0.33 JB	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-15B												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/27/2017	6/22/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Field pH	8.2	7.9		7.6		8.44	8.1		7.78	7.7	7.71	7.9
Field Temperature °C	10.6	10.4	Well	13.2	Well	13.3	14.6	Well	0.4	17.9	16.3	21.7
Field Odor	N	N		N		N	N		N	N	N	N
Field Color	N	N	Not	N	Not	Y	N	Not	N	N	N	N
Field Conductivity µS/cm	373	463		491		540	570		644	542	542	497
Field Turbidity	Y	N	Sampled	N	Sampled	Y	N	Sampled	N	N	N	N
Alkalinity mg/L	190	250		210		230	225		224	217	224	226
Hardness as CaCO3 mg/L	240	260		270		260	270		262	263	271	281
Chloride mg/L	9.7	16		18		20	19.8		20.3	21	21.5	21
Chemical Oxygen Demand mg/L	11	19		9		14	10.7		8.9 J	<6.0	<6.0	<6.0
Iron mg/L	<0.07	<0.043		<0.10		<0.082	0.13		0.085 J	<0.082	<0.082	<0.082
Manganese mg/L	<0.0011	<0.00094		<0.0034		<0.0023	<0.0023		<0.0023	<0.0023	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20		<0.20		<0.38	<0.38		<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28		<0.28		<0.35	<0.35		<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19		<0.19		<0.41	<0.41		<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31		<0.31		<0.39	<0.39		<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14		<0.14		<0.34	<0.34		<0.36	<0.36	0.77 J	<0.36
1,2-Dibromoethane	<0.36	<0.36		<0.36		<0.39	<0.39		<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28		<0.28		<0.39	<0.39		<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20		<0.20		<0.43	<0.43		<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18		<0.18		<0.25	<0.25		<0.25	<0.25	0.77 J	<0.25
Benzene	<0.074	<0.074		<0.074		<0.15	<0.15		<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34		<0.34		<0.51	<0.51		<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18		<0.18		<0.32	<0.32		<0.32	<0.32	<0.32	0.33 JB
cis-1,2-Dichloroethene	<0.12	<0.12		<0.12		<0.41	<0.41		<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18		<0.18		<0.42	<0.42		<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32		<0.32		<0.49	<0.49		<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33		<0.33		<0.27	<0.27		<0.27	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20		<0.20		<0.67	<0.67		<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13		<0.13		<0.18	<0.18		<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26		<0.26		<0.45	<0.45		<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15		<0.15		<0.28	<0.28		<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14		<0.14		<0.39	<0.39		<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24		<0.24		<0.39	<0.39		<0.39	<0.39	<0.39	<0.39
Methylene Chloride	**11 c**	<0.68		<0.68		<1.6	<1.6		<1.6	<1.6	<0.39	5.1 B
Naphthalene	<0.16	<0.16		<0.16		<0.34	<0.34		<0.34	<0.34	<0.34	<0.34
Styrene	<0.1	<0.1		<0.1		<0.39	<0.39		<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-15B

PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/27/2017	6/22/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Tetrachloroethene	<0.19	<0.19		<0.19		<0.37	<0.37		<0.37	<0.37	<0.37	<0.37
Toluene	<0.11	<0.11		<0.11		<0.15	<0.15		<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25		<0.25		<0.35	<0.35		<0.35	<0.35	<0.35	<0.35
Trichloroethene	1.7	1.6		2.2		1.7	1.8		1.3	1.4	1.4	1.2
Trichlorofluoromethane	<0.19	<0.19		<0.19		<0.43	<0.43		<0.43	<0.43	<0.43	<0.43
Vinyl chloride	<0.10	<0.10		<0.10		<0.20	<0.20		<0.20	<0.2	<0.20	<0.20
Xylenes, Total	<0.068	<0.068		<0.068		<0.22	<0.22		<0.22	<0.22	<0.22	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-15C												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/27/2017	6/22/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Field pH	7.5	7.8	7.7	7.6	7.28	6.07	7.83	7.72	7.61	7.49	7.52	7.51
Field Temperature °C	10.5	11.8	12.4	13.8	11.8	12.3	14.6	10.3	0.2	19	18.5	20.8
Field Odor	N	N	N	N	N	Y	Y	N	N	N	N	N
Field Color	N	N	N	N	N	N	N	N	N	N	N	N
Field Conductivity µS/cm	380	418	453	468	468	510	530	579	609	506	507	518
Field Turbidity	Y	N	N	N	N	N	N	N	N	N	N	N
Alkalinity mg/L	210	240	180	200	240	220	234	228	236	228	236	236
Hardness as CaCO3 mg/L	220	160	260	260	270	260	256	288	241	248	259	272
Chloride mg/L	8.7	13	18	16	17	17	16.8	17.3	16.7	18	18.9	18.6
Chemical Oxygen Demand mg/L	19	68	7.1	14	<6.1	<6.0	<6.0	23.4	6.8 J	11.6	<6.0	9.9 J
Iron mg/L	0.098	<0.043	**0.53**	<0.10	<0.10	0.13	<0.082	<0.082	<0.082	<0.082	<0.082	<0.082
Manganese mg/L	0.023	0.0041	<0.0020	<0.034	<0.0034	0.0038	0.013	0.02	0.012	0.0081	0.0027 J	0.0027 J
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	0.74 JB	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18	2.6	2.6	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.26	<0.26	<0.26
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	**10 c**	<0.68	<0.68	<0.68	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	3.0 J	4.7 JB
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Styrene	<0.1	<0.1	<0.1	<0.1	<0.40	<0.40	<0.40	<0.40	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-15C												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/27/2017	6/22/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/6/2023
Tetrachloroethene	<0.19	<0.19	<0.19	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	0.17 J	0.16 J	0.27	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	0.65	1.3	1.3	1.5	1.5	1.1	1.7	1	0.99	1.2	1.2	1.3
Trichlorofluoromethane	<0.19	<0.19	<0.19	<0.19	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-16												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/23/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Field pH	7.5	9.6	8.1	8.3	7	6.13	7.54	7.6	7.59	7.33	7.47	7.8
Field Temperature °C	9.8	11.9	11.3	14.7	10.9	12.8	12.2	9.7	4.2	24.7	20.8	13.5
Field Odor	N	N	N	N	N	N	N	N	N	N	N	N
Field Color	N	N	Y	N	N	N	Y	N	N	N	N	N
Field Conductivity µS/cm	415	377	453	418	418	500	545	964	585	499	516	498
Field Turbidity	Y	Y	Y	N	Y	N	Y	N	N	N	N	N
Alkalinity mg/L	220	220	180	210	260	250	253	250	248	228	240	232
Hardness as CaCO3 mg/L	270	230	220	240	290	300	299	329	250	256	276	282
Chloride mg/L	3.6	5.1	4.5	3.5	10	-	7.7	8.3	3.4	6	6.5	7.1
Chemical Oxygen Demand mg/L	<5.8	<8.0	15	<6.1	<6.1	12	8.3	10.7	<6.0	7.6	7.0 J	7.0 J
Iron mg/L	<0.07	<0.043	<0.043	<0.10	<0.10	<0.082	0.084	<0.082	0.11 J	<0.082	<0.082	<0.082
Manganese mg/L	0.0019	<0.00094	<0.0020	<0.0034	<0.0034	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023
VOCs in µg/L												
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	<0.28	<0.28	<0.28	<0.28	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	<0.19	<0.19	<0.19	<0.19	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	<0.31	<0.31	<0.31	<0.31	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene	<0.14	<0.14	<0.14	<0.14	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dibromoethane	<0.36	<0.36	<0.36	<0.36	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloroethane	<0.28	<0.28	<0.28	<0.28	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Benzene	<0.074	<0.074	<0.074	<0.074	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Chloroethane	<0.34	<0.34	<0.34	<0.34	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloromethane	<0.18	<0.18	<0.18	<0.18	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
cis-1,2-Dichloroethene	<0.12	<0.12	<0.12	<0.12	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	<0.18	<0.18	<0.18	<0.18	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	<0.32	<0.32	<0.32	<0.32	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	<0.33	<0.33	<0.33	<0.33	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dichlorodifluoromethane	<0.20	<0.20	<0.20	<0.20	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Ethylbenzene	<0.13	<0.13	<0.13	<0.13	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	<0.26	<0.26	<0.26	<0.26	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropyl ether	<0.15	<0.15	<0.15	<0.15	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	<0.14	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	<0.24	<0.24	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	**11 c**	<0.68	<0.68	<0.68	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	1.7 JB	4.8 JB
Naphthalene	<0.16	<0.16	<0.16	<0.16	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Styrene	<0.1	<0.1	<0.1	<0.1	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-16												
PARAMETER	DATE											
	6/13/2012	6/24/2013	6/18/2014	6/8/2015	6/16/2016	6/23/2017	6/19/2018	6/17/2019	6/16/2020	6/17/2021	6/30/2022	6/7/2023
Tetrachloroethene	<0.19	<0.19	<0.19	<0.19	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Toluene	<0.11	<0.11	<0.11	<0.11	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	<0.25	<0.25	<0.25	<0.25	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene	<0.19	<0.19	<0.19	<0.19	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trichlorofluoromethane	<0.19	<0.19	<0.19	<0.19	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	<0.068	<0.068	<0.068	<0.068	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-16B										
PARAMETER	DATE									
	6/30/2021	8/10/2021	6/30/2022	6/7/2023						
Field pH			7.5	7.76						
Field Temperature °C			16.2	14.1						
Field Odor			N	N						
Field Color			N	N						
Field Conductivity µS/cm			577	566						
Field Turbidity			N	N						
Alkalinity mg/L			235	231						
Hardness as CaCO3 mg/L			291	302						
Chloride mg/L			18.3	17.6						
Chemical Oxygen Demand mg/L			<6.0	7.4 J						
Iron mg/L			<0.082	<0.082						
Manganese mg/L			<0.0023	<0.0023						
VOCs in µg/L										
1,1,1-Trichloroethane	<0.38	<0.38	<0.38	<0.38						
1,1,2-Trichloroethane	<0.35	<0.35	<0.35	<0.35						
1,1-Dichloroethane	<0.41	<0.41	<0.41	<0.41						
1,1-Dichloroethene	<0.39	<0.39	<0.39	<0.39						
1,2,4-Trimethylbenzene	<0.36	<0.36	<0.36	<0.36						
1,2-Dibromoethane	<0.39	<0.39	<0.39	<0.39						
1,2-Dichloroethane	<0.39	<0.39	<0.39	<0.39						
1,2-Dichloropropane	<0.43	<0.43	<0.43	<0.43						
1,3,5-Trimethylbenzene	<0.25	<0.25	<0.25	<0.25						
Benzene	<0.15	<0.15	<0.15	<0.15						
Chloroethane	<0.51	<0.51	<0.51	<0.51						
Chloromethane	<0.32	<0.32	<0.32	<0.32						
cis-1,2-Dichloroethene	<0.41	<0.41	<0.41	<0.41						
cis-1,3-Dichloropropene	<0.42	<0.42	<0.42	<0.42						
Dibromochloromethane	1.2	<0.49	<0.49	<0.49						
Dibromomethane	<0.27	<0.27	<0.27	<0.27						
Dichlorodifluoromethane	<0.67	<0.67	<0.67	<0.67						
Ethylbenzene	<0.18	<0.18	<0.18	<0.18						
Hexachlorobutadiene	<0.45	<0.45	<0.45	<0.45						
Isopropyl ether	<0.28	<0.28	<0.28	<0.28						
Isopropylbenzene	<0.39	<0.39	<0.39	<0.39						
Methyl tert-butyl ether	<0.39	<0.39	<0.39	<0.39						
Methylene Chloride	**10**	<1.6	<1.6	6.7 B						
Naphthalene	<0.39	<0.34	<0.34	<0.34						
Styrene	<0.39	<0.39	<0.39	<0.39						
Tetrachloroethene	<0.37	<0.37	<0.37	<0.37						
Toluene	0.28	<0.15	<0.15	<0.15						
trans-1,2-Dichloroethene	<0.35	<0.35	<0.35	<0.35						
Trichloroethene	<0.16	<0.16	<0.16	0.19 J						
Trichlorofluoromethane	<0.43	<0.43	<0.43	<0.43						
Vinyl chloride	<0.20	<0.20	<0.20	<0.20						
Xylenes, Total	<0.22	<0.22	<0.22	<0.22						

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-17A

PARAMETER	DATE										
	6/30/2021	8/10/2021	6/30/2022	6/7/2023							
Field pH			8.04	8.2							
Field Temperature °C			14.6	12.5							
Field Odor			N	N							
Field Color			Y	Y							
Field Conductivity µS/cm			453	538							
Field Turbidity			Y	Y							
Alkalinity mg/L			193	184							
Hardness as CaCO3 mg/L			199	197							
Chloride mg/L			29.6	26.5							
Chemical Oxygen Demand mg/L			<6.0	<6.0							
Iron mg/L			0.097 J	<0.082							
Manganese mg/L			<0.0023	<0.0023							
VOCs in µg/L											
1,1,1-Trichloroethane	<0.38	<0.38	<0.38	<0.38							
1,1,2-Trichloroethane	<0.35	<0.35	<0.35	<0.35							
1,1-Dichloroethane	<0.41	<0.41	<0.41	<0.41							
1,1-Dichloroethene	<0.39	<0.39	<0.39	<0.39							
1,2,4-Trimethylbenzene	<0.36	<0.36	<0.36	<0.36							
1,2-Dibromoethane	<0.39	<0.39	<0.39	<0.39							
1,2-Dichloroethane	<0.39	<0.39	<0.39	<0.39							
1,2-Dichloropropane	<0.43	<0.43	<0.43	<0.43							
1,3,5-Trimethylbenzene	<0.25	<0.25	<0.25	<0.25							
Benzene	<0.15	<0.15	<0.15	<0.15							
Chloroethane	<0.51	<0.51	<0.51	<0.51							
Chloromethane	<0.32	<0.32	<0.32	<0.32							
cis-1,2-Dichloroethene	<0.41	<0.41	<0.41	<0.41							
cis-1,3-Dichloropropene	<0.42	<0.42	<0.42	<0.42							
Dibromochloromethane	<0.49	<0.49	<0.49	<0.49							
Dibromomethane	<0.27	<0.27	<0.27	<0.27							
Dichlorodifluoromethane	<0.67	<0.67	<0.67	<0.67							
Ethylbenzene	<0.18	<0.18	<0.18	<0.18							
Hexachlorobutadiene	<0.45	<0.45	<0.45	<0.45							
Isopropyl ether	<0.28	<0.28	<0.28	<0.28							
Isopropylbenzene	<0.39	<0.39	<0.39	<0.39							
Methyl tert-butyl ether	<0.39	<0.39	<0.39	<0.39							
Methylene Chloride	**13**	<1.6	<1.6	6.3 B							
Naphthalene	<0.34	<0.34	<0.34	<0.34							
Styrene	<0.39	<0.39	<0.39	<0.39							
Tetrachloroethene	<0.37	<0.37	<0.37	<0.37							
Toluene	<0.15	<0.15	<0.15	<0.15							
trans-1,2-Dichloroethene	<0.35	<0.35	<0.35	<0.35							
Trichloroethene	<0.16	<0.16	<0.16	<0.16							
Trichlorofluoromethane	<0.43	<0.43	<0.43	<0.43							
Vinyl chloride	<0.20	<0.20	<0.20	<0.20							
Xylenes, Total	<0.22	<0.22	<0.22	<0.22							

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-17B										
PARAMETER	DATE									
	6/30/2021	8/10/2021	6/30/2022	6/7/2023						
Field pH			7.74	7.98						
Field Temperature °C			16.4	11.6						
Field Odor			N	N						
Field Color			N	N						
Field Conductivity µS/cm			507	494						
Field Turbidity			N	N						
Alkalinity mg/L			208	208						
Hardness as CaCO3 mg/L			242	260						
Chloride mg/L			24.5	24.6						
Chemical Oxygen Demand mg/L			<6.0	6						
Iron mg/L			<0.082	<0.082						
Manganese mg/L			0.0034 J	<0.0023						
VOCs in µg/L										
1,1,1-Trichloroethane	<0.38	<0.38	<0.38	<0.38						
1,1,2-Trichloroethane	<0.35	<0.35	<0.35	<0.35						
1,1-Dichloroethane	<0.41	<0.41	<0.41	<0.41						
1,1-Dichloroethene	<0.39	<0.39	<0.39	<0.39						
1,2,4-Trimethylbenzene	<0.36	<0.36	<0.36	<0.36						
1,2-Dibromoethane	<0.39	<0.39	<0.39	<0.39						
1,2-Dichloroethane	<0.39	<0.39	<0.39	<0.39						
1,2-Dichloropropane	<0.43	<0.43	<0.43	<0.43						
1,3,5-Trimethylbenzene	<0.25	<0.25	<0.25	<0.25						
Benzene	<0.15	<0.15	<0.15	<0.15						
Chloroethane	<0.51	<0.51	<0.51	<0.51						
Chloromethane	<0.32	<0.32	<0.32	<0.32						
cis-1,2-Dichloroethene	<0.41	<0.41	<0.41	<0.41						
cis-1,3-Dichloropropene	<0.42	<0.42	<0.42	<0.42						
Dibromochloromethane	<0.49	<0.49	<0.49	<0.49						
Dibromomethane	<0.27	<0.27	<0.27	<0.27						
Dichlorodifluoromethane	<0.67	<0.67	<0.67	<0.67						
Ethylbenzene	<0.18	<0.18	<0.18	<0.18						
Hexachlorobutadiene	<0.45	<0.45	<0.45	<0.45						
Isopropyl ether	<0.28	<0.28	<0.28	<0.28						
Isopropylbenzene	<0.39	<0.39	<0.39	<0.39						
Methyl tert-butyl ether	<0.39	<0.39	<0.39	<0.39						
Methylene Chloride	**15**	<1.6	<1.6	6.6 B						
Naphthalene	<0.34	<0.34	<0.34	<0.34						
Styrene	<0.39	<0.39	<0.39	<0.39						
Tetrachloroethene	<0.37	<0.37	<0.37	<0.37						
Toluene	<0.15	<0.15	<0.15	<0.15						
trans-1,2-Dichloroethene	<0.35	<0.35	<0.35	<0.35						
Trichloroethene	<0.16	<0.16	<0.16	<0.16						
Trichlorofluoromethane	<0.43	<0.43	<0.43	<0.43						
Vinyl chloride	<0.20	<0.20	<0.20	<0.20						
Xylenes, Total	<0.22	<0.22	<0.22	<0.22						

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-18A										
PARAMETER	DATE									
	6/30/2021	8/10/2021	6/30/2022	6/7/2023						
Field pH			7.47	7.81						
Field Temperature °C			14.7	12.2						
Field Odor			N	N						
Field Color			N	N						
Field Conductivity µS/cm			502	502						
Field Turbidity			N	N						
Alkalinity mg/L			241	237						
Hardness as CaCO3 mg/L			259	254						
Chloride mg/L			17.1	15.7						
Chemical Oxygen Demand mg/L			<6.0	<6.0						
Iron mg/L			<0.082	<0.082						
Manganese mg/L			0.2	0.19						
VOCs in µg/L										
1,1,1-Trichloroethane	<0.38	<0.38	<0.38	<0.38						
1,1,2-Trichloroethane	<0.35	<0.35	<0.35	<0.35						
1,1-Dichloroethane	<0.41	<0.41	<0.41	<0.41						
1,1-Dichloroethene	<0.39	<0.39	<0.39	<0.39						
1,2,4-Trimethylbenzene	<0.36	<0.36	<0.36	<0.36						
1,2-Dibromoethane	<0.39	<0.39	<0.39	<0.39						
1,2-Dichloroethane	<0.39	<0.39	<0.39	<0.39						
1,2-Dichloropropane	<0.43	<0.43	<0.43	<0.43						
1,3,5-Trimethylbenzene	<0.25	<0.25	<0.25	<0.25						
Benzene	<0.15	<0.15	<0.15	<0.15						
Chloroethane	<0.51	<0.51	<0.51	<0.51						
Chloromethane	<0.32	<0.32	<0.32	<0.32						
cis-1,2-Dichloroethene	<0.41	<0.41	<0.41	<0.41						
cis-1,3-Dichloropropene	<0.42	<0.42	<0.42	<0.42						
Dibromochloromethane	1.3	<0.49	<0.49	<0.49						
Dibromomethane	<0.27	<0.27	<0.27	<0.27						
Dichlorodifluoromethane	<0.67	<0.67	<0.67	<0.67						
Ethylbenzene	<0.18	<0.18	<0.18	<0.18						
Hexachlorobutadiene	<0.45	<0.45	<0.45	<0.45						
Isopropyl ether	<0.28	<0.28	<0.28	<0.28						
Isopropylbenzene	<0.39	<0.39	<0.39	<0.39						
Methyl tert-butyl ether	<0.39	<0.39	<0.39	<0.39						
Methylene Chloride	**15**	<1.6	<1.6	6.9 B						
Naphthalene	<0.34	<0.34	<0.34	<0.34						
Styrene	<0.39	<0.39	<0.39	<0.39						
Tetrachloroethene	<0.37	<0.37	<0.37	<0.37						
Toluene	0.15	<0.15	<0.15	<0.15						
trans-1,2-Dichloroethene	<0.35	<0.35	<0.35	<0.35						
Trichloroethene	0.21	<0.16	0.32 J	0.35 J						
Trichlorofluoromethane	<0.43	<0.43	<0.43	<0.43						
Vinyl chloride	<0.20	<0.20	<0.20	<0.20						
Xylenes, Total	<0.22	<0.22	<0.22	<0.22						

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 11

GROUNDWATER ANALYTICAL RESULTS

Junker Sanitary Landfill FID # 656026800

MW-18B										
PARAMETER	DATE									
	6/30/2021	8/10/2021	6/30/2022	6/7/2023						
Field pH			7.59	7.8						
Field Temperature °C			16.1	12.4						
Field Odor			N	N						
Field Color			N	N						
Field Conductivity µS/cm			548	546						
Field Turbidity			N	N						
Alkalinity mg/L			228	231						
Hardness as CaCO3 mg/L			279	280						
Chloride mg/L			21.9	22						
Chemical Oxygen Demand mg/L			<6.0	<6.0						
Iron mg/L			<0.082	<0.082						
Manganese mg/L			<0.0023	<0.0023						
VOCs in µg/L										
1,1,1-Trichloroethane	<0.38	<0.38	<0.38	<0.38						
1,1,2-Trichloroethane	<0.34	<0.35	<0.35	<0.35						
1,1-Dichloroethane	<0.41	<0.41	<0.41	<0.41						
1,1-Dichloroethene	<0.39	<0.39	<0.39	<0.39						
1,2,4-Trimethylbenzene	<0.36	<0.36	<0.36	<0.36						
1,2-Dibromoethane	<0.39	<0.39	<0.39	<0.39						
1,2-Dichloroethane	<0.39	<0.39	<0.39	<0.39						
1,2-Dichloropropane	<0.43	<0.43	<0.43	<0.43						
1,3,5-Trimethylbenzene	<0.25	<0.25	<0.25	<0.25						
Benzene	<0.15	<0.15	<0.15	<0.15						
Chloroethane	<0.51	<0.51	<0.51	<0.51						
Chloromethane	<0.32	<0.32	<0.32	2.0 JB						
cis-1,2-Dichloroethene	<0.41	<0.41	<0.41	<0.41						
cis-1,3-Dichloropropene	<0.42	<0.42	<0.42	<0.42						
Dibromochloromethane	<0.49	<0.49	<0.49	<0.49						
Dibromomethane	<0.27	<0.27	<0.27	<0.27						
Dichlorodifluoromethane	<0.67	<0.67	<0.67	<0.67						
Ethylbenzene	<0.18	<0.18	<0.18	<0.18						
Hexachlorobutadiene	<0.45	<0.45	<0.45	<0.45						
Isopropyl ether	<0.28	<0.28	<0.28	<0.28						
Isopropylbenzene	<0.39	<0.39	<0.39	<0.39						
Methyl tert-butyl ether	<0.39	<0.39	<0.39	<0.39						
Methylene Chloride	**14**	<1.6	<1.6	<1.6						
Naphthalene	<0.34	<0.34	<0.34	<0.34						
Styrene	<0.39	<0.39	<0.39	<0.39						
Tetrachloroethene	<0.37	<0.37	<0.37	<0.37						
Toluene	<0.15	<0.15	<0.15	<0.15						
trans-1,2-Dichloroethene	<0.35	<0.35	<0.35	<0.35						
Trichloroethene	1.9	1.5	1.6	1.3						
Trichlorofluoromethane	<0.43	<0.43	<0.43	<0.43						
Vinyl chloride	<0.20	<0.20	<0.20	<0.20						
Xylenes, Total	<0.22	<0.22	<0.22	<0.22						

Notes:

BOLD concentrations = ES exceedance

Underlined concentrations = PAL Exceedance

c - suspected laboratory contaminant

B - Coumpound was found in blank and sample

J - Reported value was between the limit of detection and the limit of quantitation

* - RPD of the LCS and LCSD exceeds the control limits

^c - CCV Recover is outside acceptance limits

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
902 Alexander Road				9/26/96			ND	ND	ND	ND					
Roberts, WI 54023				1/20/98			ND	ND	ND	ND					
Tom & Misty Frederick				2/25/99			ND	ND	ND	ND					
[redacted]	Every 2 yrs			11/18/99			ND	ND	ND	ND					
[redacted]	Jan./07			11/2/00			ND	ND	ND	ND					
Well: BM122				7/26/01			ND	ND	ND	ND					
Inf.	JL-100		08/17/01 Fe	8/30/01	0	0	ND	ND	ND	ND					
Barn hydrant not filtered			01/10/03	01/31/03	87,000	87,000	ND	ND	ND	ND					
Yard hydrant not filtered?			01/10/05	02/23/05	207,350	120,350	ND	ND	ND	ND					Vol.
LRT is no longer responsible for GACS															
Methane Meter Equipped															
930-A Alexander Road				9/24/14			4.4								
Trevor Bruce/T-Buck Properties	JL-100		10/24/14	11/7/14	1,100	1,100	3.5								
[redacted]	Every yr.		6/21/16	6/21/16	73,940	72,840	Eff. Only								
	Jan./16		12/7/17		544?	-									
Well: XK 285			6/17/19	7/8/19	240,310	-	2.7	ND	ND	ND	ND	ND	ND	ND	
		1	11/30/20		317,120	76,810	See 930-B Alexander Road								
		1	5/18/22		392,160	75,040									
	..														
930-B Alexander Road				9/24/14			4.4								
Owned by: Trevor Bruce	JL-100		6/3/15	6/21/16	11,700	1,100	Eff. Only								
Rented by: Troy & Jodi Schmidtke	Every yr.		12/7/17		16,428	4,728									
	Oct./16		6/17/19	7/8/19	116,200	99,772	See 930-A Alexander Road						ND	ND	
		1	11/30/20	1/18/21	310,600	194,400	1.8	ND	ND	ND	ND	ND	ND	ND	
		1	5/15/22		235,600										
Well: XK 285 (Shared well with 930-A)															
942 Alexander Road				9/16/96			5.3	1.5	ND	ND					
Justin & Stephanie Schoepke	JL-300		03/27/97	4/2/97	0	0	4.4	ND	ND	ND					
[redacted]	Every 2 yrs			7/29/97			5.0	0.88	ND	ND					
[redacted]	Jan./11			10/8/97			ND	0.63	0.76	ND					
				1/20/98	8,068	8,068	4.3	ND	ND	ND					
			06/09/98	6/26/98	11,450	11,450	4.4	ND	ND	ND					
Well: BM127				8/26/98	13,516	2,066	4.0	ND	ND	ND					
Inf. and Eff.				10/28/98	18,328	6,878	5.6	ND	ND	ND					
				01/26/99	21,161	9,711	5.6	ND	ND	ND					
			04/06/99	04/22/99	22,360	10,910	5.3	ND	ND	ND					
				07/29/99	25,440	3,080	4.6	ND	ND	ND					
				10/14/99	27,624	5,264	5.6	ND	ND	ND					
				01/26/00	30,237	7,877	7.1	ND	ND	ND					
			Col.	05/18/00	33,414	11,054	8.6	ND	ND	ND					
				10/05/00	38,160	15,800	7.6	ND	ND	ND					
	JL-100		04/12/01 Fe	04/12/01	42,960	20,600	8.4	<0.43>	ND	ND					
				7/12/01	45,745	2,785	5.2	ND	ND	ND					
			01/11/03	01/31/03	61,720	18,760	6.9	ND	ND	ND					
			01/28/05	03/07/05	86,670	24,950	5.6	ND	ND	ND					
			04/10/07	--	111,810	25,140	--								
	Transducer		3/17/09	2/1/10	178,650	66,840	4.7	ND	ND	ND					
				7/25/12	271,100	92,450	3.7	ND	ND	ND					
			6/19/17	8/11/17	419,040	147,940	2.4	ND	ND	ND					
			11/8/18	1/17/19	488,580	69,540	2.2	ND	ND	ND			ND	ND	
6/7/21 Built a new house on the property		2	6/16/21	6/15/21	573,360	84,780	1.7	ND	ND	ND	ND	ND	-	-	
Sample from new house, unfiltered		2	9/16/21												
943 Alexander Road				7/23/12		Initial Sample	1.3	ND	ND	ND					
New Owners 7/2021	JL-100			10/8/12	1,674,260										
Matthew Butzen	Every 1 yr.			10/18/12	1,674,630		Eff. Only								
[redacted]	Jul-16				1,663,590	Checked meter status per call from client									
			10/1/13	3/25/14	30		Eff. Only								
Well: WY 566			6/29/16	8/16/16	407,440	407,410	1.2	ND	ND	ND					
			3/13/19	4/8/19	655,220	247,780	ND	ND	ND	ND	ND		-	-	
			6/10/20	9/4/20	719,200	63,980	0.66	ND	ND	ND	ND	ND	ND	ND	
		1	7/13/21		786,270	67,070									
			3/21/23	6/12/23	1,025,520	239,250	ND	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
947 Bakken Road				9/19/96			4.7	ND	ND	ND					
Steve & Caye Bakken	JL-100		3/13/97	3/19/97	0	0	4.7	1.4	0.4	ND					PCE
[redacted]	Every 2 yrs		03/10/98	4/20/98	106,700	106,700	3.9	<0.5>	<0.3>	ND					PCE
[redacted]	April/12		03/11/99	3/25/99	170,610	63,910	5.6	ND	ND	ND					
Well: BM187			02/06/01 Fe	3/5/01	302,260	131,650	4.3	<0.5>	ND	ND					PCE
			Failed Attempt	5/14/02	394,904	92,644	4.6	ND	ND	ND					
outside water is filtered	JL-300		11/21/02	11/21/02	462,820	160,560	4.7	ND	ND	ND					Vol.
			4/23/04	04/26/04	557,710	94,890	Eff. Only								
			12/22/05	3/8/06	670,330	112,620	Eff. Only								
Switch to JL-100			6/23/06	--	699,560	29,230	--								
			6/30/08	--	821,920	122,360	--								
			6/8/10		906,920	85,000									
			5/28/13	10/8/13	1,023,240	116,320	Eff. Only								
			6/25/15	8/25/15	1,112,880	89,640	1.9	ND	ND	ND					
			5/24/17	8/11/17	1,245,710	132,830	Eff. Only								
		1	12/27/19	2/4/20	1,378,530	132,820	1.6	ND	ND	ND	ND	ND			
		1	4/28/22	5/11/22	1,500,440	121,910	1.3	ND	ND	ND	ND	ND	ND	ND	
954 Bakken Road				9/25/96			3.6	ND	ND	ND					
Tony Dabruzzi	JL-100		3/25/97	4/2/97	0	0	3.7	ND	ND	ND					
[redacted]			03/13/98	4/20/98	53,440	53,440	3.4	<0.5>	<0.3>	ND					PCE
			03/03/99	3/25/99	81,560	28,120	5.1	ND	ND	ND					
Well: EV036			02/08/01 Fe	2/9/01	206,890	125,330	5.5	<0.65>	ND	ND					PCE
				3/7/01			4.8	<0.57>	ND	ND					PCE
Inf. and Eff.			04/18/02	5/14/02	349,198	142,308	4.5	ND	ND	ND					Vol.
	JL-300		04/17/03	05/06/03	433,658	84,460	4.7	ND	ND	ND					
	Every 2 yrs		05/07/04	06/08/04	575,270	141,612	3.4	ND	ND	ND					Vol.
	April/12		07/25/05	03/08/06	706,960	131,690	3.6	ND	ND	ND					Vol.
			07/21/05	--	777,850	70,890	--								
			02/22/08	--	874,660	96,810	--								
			8/24/10	--	1,114,420	239,760									Vol.
			6/6/14		1,626,390	511,970									
Switch to JL-100			5/12/16	8/9/16	1,786,530	160,140	2.2	ND	ND	ND					
			4/19/19	5/23/19	2,082,900	296,370	1.9	ND	ND	ND	ND		ND		
		1	8/31/21	10/29/21	2,332,230	249,330	1.3	ND	ND	ND	ND	ND			
957 Bakken Road				9/18/96			4.2	1.2	0.21	ND					
Brandon and Erika Schurtz	JL-300		04/07/97	4/14/97	0	0	4.9	0.60	0.28	ND					
[redacted]	Every 1 yr		07/28/98	8/26/98	77,399	77,399	3.8	<0.6>	ND	ND					
Well: BM181	April/10		05/25/99	7/8/99	112,280	34,881	5	<0.65>	ND	ND					
			05/26/00	5/31/00	164,390	52,110	4.8	ND	ND	ND					
			02/13/01 Fe	03/07/01	200,700	36,310	5.1	<0.64>	ND	ND					
			05/14/02	5/14/02	263,902	63,202	4.8	ND	ND	ND					
			06/13/03	06/27/03	297,302	33,400	Eff. Only								
			06/15/04	08/16/04	332,640	35,338	Eff. Only								
			05/12/05	08/18/05	362,870	30,230	Eff. Only								
			04/28/06	--	413,690	50,820	--								
			9/25/09	--			--								Vol.
			10/15/15	4/11/16	918,080	504,390	2.1	ND	ND	ND					
		1	8/17/22		1,314,240	1,314,240									

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
961 Bakken Road				9/16/96			3.9	1.5	ND	ND					
John Mowry	JL-100		3/21/97	3/22/97	0	0	3.6	ND	ND	ND					
[redacted]	Every 2 yrs		03/27/98	4/24/98	59,130	59,130	3.1	ND	ND	ND					
[redacted]	April/10		04/01/99	4/22/99	119,100	59,970	3.9	ND	ND	ND					
Well: BM177			05/26/00	5/31/00	185,060	65,960	4.7	ND	ND	ND					
			Col. and Fe	7/26/01	238,822	53,762	--	--	--	--					
			04/12/02	4/18/02	272,640	87,580	4.7	ND	ND	ND					
			04/30/04	05/17/04	370,170	97,530	Eff. Only								
			04/13/06	--	464,420	94,250	--								
			05/28/08	09/24/08	574,860	110,440	2.7	ND	ND	ND					Vol.
			5/3/11		727,880	153,020									
			5/6/13	9/24/13	813,690	85,810	Eff. Only								
			2/12/15	3/26/15	885,720	72,030	1.2	ND	ND	ND					
			2/20/17	4/3/17	959,910	74,190	Eff. Only								
			3/20/19	5/29/19	1,030,960	71,050	1.6	0.38 J	ND	ND	ND		-		
		1	3/4/21	3/26/21	1,070,790	39,830	1.6	ND	ND	ND	ND	ND	ND	ND	
		1	4/3/23	4/5/23	1,120,580	-	1.2	ND	ND	ND	ND	ND	-	-	
962 Bakken Road				9/18/96			4.0	1.1	ND	ND					
	JL-100		7/10/97	7/23/97	0	0	3.4	0.28	ND	ND					
	Every 1 yr		08/12/98	8/26/98	50,680	50,680	2.6	ND	ND	ND					
Well: BM188	April/08		07/28/99	07/29/99	97,590	46,910	3.1	<0.70>	ND	ND					PCE
	JL-300		03/07/00	03/27/00	136,690	39,100	3.1	ND	ND	ND					
New Owner: 5/4/18			Col. and Fe	7/26/01	220,264	83,574	--	--	--	--					
Dan& Rachel Dyer			04/02/02	4/4/02	287,560	150,870	2.6	ND	ND	ND					Vol.
[redacted]			05/15/03	05/30/03	333,560	46,000	Eff. Only								
[redacted]			05/07/04	05/17/04	390,870	57,310	Eff. Only								
Outside faucets are softened			07/25/05	08/09/05	471,140	80,270	Eff. Only								
			04/25/06	--	497,440	26,300	--								
			04/25/06	--	544,180	46,740	--								
	JL-100		6/2/11	7/25/12	867,300	323,120	1.2	ND	ND	ND					Vol.
			5/4/18	5/14/18	1,133,780	266,480	1.2	ND	ND	ND					
		1	11/18/19	2/18/20	1,196,820	63,040	1.2	ND	ND	ND	ND	ND			
		1	1/6/21	2/26/21	1,240,970	44,150	1	ND	ND	ND	ND	ND	ND	ND	
		1	5/11/22	6/24/22	1,291,070	50,100	1.2	ND	ND	ND	ND	ND	-	-	
		1	9/13/23	9/18/23	1,365,720	74,650	0.65	ND	ND	ND	ND	ND			
970 Bakken Road				9/25/96			ND	ND	ND	ND					
Eric & Mary Larson	JL-100		10/10/97	10/21/97	0	0	0.86	ND	ND	ND					
[redacted]	Every 2 yrs		01/19/99	02/25/99	56,600	56,600	1.5	ND	ND	ND					
	April/12		01/27/00	03/27/00	118,100	61,500	1.7	ND	ND	ND					
Well: BM180			Col. and Fe	7/26/01	184,742	66,642	--	--	--						
			04/09/02	4/18/02	218,603	100,503	1.9	ND	ND	ND					
			04/29/04	04/23/04	343,600	124,997	Eff. Only								
			04/25/06	--	460,010	116,410	--								
			06/26/08	--	578,590	118,580	--								
			5/11/10		668,230	89,640									
			5/11/12	2/8/13	758,410	90,180	1.1	ND	ND	ND					
			4/16/15	5/14/15	904,220	145,810	Eff. Only								
			3/22/19	5/23/19	1,062,120	157,900	1.1	ND	ND	ND	ND		-		
		1	5/10/21	6/4/21	1,140,280	78,160	0.54	ND	ND	ND	ND	ND	ND	ND	
986 Burch Circle				11/26/99			3.1	ND	ND	ND					
Cory Bednar	JL-100		03/18/00	05/18/00	0	0	3.6	ND	ND	ND					
[redacted]	Every 1 yr		09/14/01	10/04/01	113,563	113,563	3.9	ND	ND	ND					
Well: NP195 (121' deep)	Mar./09		03/05/03	03/07/03	187,380	73,817	Eff. Only								
			06/14/04	07/13/04	282,160	94,780	Eff. Only								
			06/19/06	--	438,400	156,240	--								Vol.
			11/20/07	--	495,710	57,310	--								
			2/24/11	8/7/12	736,390	240,680	1.7	ND	ND	ND					Vol.
			2/17/15	2/24/15	1,076,940	340,550	Eff. Only								
			4/16/18		1,424,380	347,440									
		1	12/1/20		1,689,180	264,800									
			11/16/22		1,831,080	141,900									

FILTERS REMOVED 9/22/2023

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
987 Burch Circle				05/31/00			1.8	ND	ND	ND					
Scott & Danielle Baker	JL-100		08/11/00	10/05/00	0	0	2.1	ND	ND	ND					
[redacted]			11/16/01	12/03/01	135,008	135,008	2.0	ND	ND	ND					
	Every 2 yr		03/28/03	03/28/03	200,220	65,212	<0.50>	ND	ND	ND					
Well: OA834	Mar./12		04/19/05	08/18/05	296,990	96,770	2.1	ND	ND	ND					
Inf. and Eff.			06/28/07	--	396,960	99,970	--								
			3/23/10		532,230	135,270									Vol.
			2/15/13	3/27/13	694,320	162,090	0.96	ND	ND	ND					
			7/8/15	8/25/15	844,450	150,130	Eff. Only								
			7/26/18		1,032,430	187,980									
	Every 1 yr	1	7/30/20		1,385,800	353,370									
			7/28/21	8/20/21	1,275,450		1.4	ND	ND	ND	ND	ND	ND	ND	
		1	8/17/22		1,304,920	29,470									
		1	8/29/23		1,449,730	144,810									
988 Burch Circle				01/26/00			2.3	ND	ND	ND					
Denise & Daniel McGraw	JL-100		03/30/00	05/03/00	0	0	2.2	ND	ND	ND					
[redacted]	Every 1 yr		11/01/00	12/28/00	149,485	149,485	2.7	ND	ND	ND					Vol.
	Sept./15		12/21/01	1/3/02	322,441	172,956	2.5	ND	ND	ND					Vol.
Well: NV343 (116' deep)			10/02/02	11/21/02	417,370	94,929	3.0	ND	ND	ND					
			08/26/03	09/25/03	537,248	119,878	Eff. Only								
			07/14/04	08/16/04	650,760	113,512	Eff. Only								
			03/17/05	04/19/05	746,160	95,400	Eff. Only								
			10/05/05	11/03/05	913,890	167,730	Eff. Only								Vol.
			06/22/06	--	996,550	82,660	--								
			04/10/07	07/19/07	1,135,300	138,750	2.2	ND	ND	ND					Vol.
			06/25/08	--	1,372,550	237,050	--								Vol.
			10/9/08	--	1,467,070	94,520	--								
			12/7/09		1,621,040	153,970									Vol.
			3/8/11		1,724,800	103,760									
			5/4/12	3/6/13	1,795,350	70,550	1.3	(0.52 Toluene)	ND	ND					
			9/4/13		1,916,690	121,340									
			7/18/14		1,981,810	65,120									
			11/13/15		2,093,190	111,380									
			11/15/17		2,167,400	74,210									
			2/3/22		2,504,000	336,600									
989 Burch Circle				11/2/00			1.3	ND	ND	ND					
Rob & Ellen Farrell	JL-100		12/20/00	12/28/00	0	No Meter	1.5	ND	ND	ND					
[redacted]	Every 1 yr			3/27/01	0	Meter Installed									
[redacted]	Mar./11		09/18/01	10/4/01	132,687	132,687	1.8	<0.62>	ND	ND					Vol.
Well: OA990				11/27/01			ND	ND	ND	ND					
Outside faucets not filtered			03/17/03	03/28/03	227,250	94,563	Eff. Only								
			03/29/04	04/24/04	339,610	112,360	Eff. Only								
[redacted]			05/20/05	08/18/05	457,930	118,320	Eff. Only								
			06/15/06	--	566,510	108,580	--								
			04/13/07	07/19/07	651,890	85,380	1.6	ND	ND	ND					
			04/15/08	--	757,760	105,870	--								
			4/15/10	11/24/10	950,760	193,000	Eff. only								
			7/6/12		1,143,840	193,080									Vol.
			4/10/13		1,235,870	92,030									
			4/1/16	1/23/17	1,471,060	235,190	Eff. Only								
			6/23/17		1,545,020	73,960									
			4/19/18		1,588,990	43,970									
		1	9/18/19	1/13/20	1,600,870	11,880	1.2	ND	ND	ND	ND	ND	-	-	
			1/26/22	5/26/22	1,822,550	221,680	1.2	ND	ND	ND	ND	ND			
		1	4/3/23	5/30/23	1,890,170	67,620	1.3	ND	ND	ND	ND	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
991 Burch Circle				11/18/99			1.9	ND	ND	ND					
New Owner (2021):	JL-100		01/25/00	03/10/00	0	0	2.4	ND	ND	ND					
David Spivey	Every 1 yr		10/16/01	10/18/01	148,984	148,984	1.8	ND	ND	ND					Vol.
[redacted]	Mar./11		03/05/03	03/07/03	307,460	158,476	Eff. Only								Vol.
			03/09/04	03/31/04	534,420	226,960	Eff. Only								Vol.
Well: NL431 (257' deep)			09/08/04	09/27/04	790,320	255,900	Eff. Only								Vol.
			04/27/05	06/16/05	879,960	54,050	Eff. Only								
			09/09/05	09/27/05	1,099,160	219,200	Eff. Only								Vol.
			09/26/06	--	1,429,920	330,760	--								Vol.
			05/03/07	07/19/07	1,459,050	29,130	1.4	ND	ND	ND					
Previous Owner:			05/02/08		1,634,690	175,640									
Charles Wanner			8/30/10		1,880,170	245,480									Vol.
[redacted]			12/5/12		2,076,210	196,040									Vol.
			4/9/14		2,248,700	172,490									
			8/23/17		2,668,890	420,190									
		1	1/7/20		2,817,170	148,280									
		1	5/6/21		2,863,280	46,110									
		1	6/8/22	11/30/22	2,945,910	82,630	1	ND	ND	ND	ND	ND	ND	ND	
			3/14/23		2,997,820	51,910									
928 County Road A				9/23/96			0.64	ND	ND	ND					
Robert and Jerilyn Jacobs	JL-100		6/11/97	6/23/97	0	0	0.68	ND	ND	ND					
	Every 2 yrs		06/25/98	6/26/98	40,190	40,190	0.5	ND	ND	ND					
Renter:	April/12		06/08/99	7/8/99	78,750	38,560	ND	ND	ND	ND					
Gabe Marvin			02/08/01 Fe	2/9/01	139,270	60,520	<0.70>	ND	ND	ND					
[redacted]			04/04/03	5/1/03	227,180	87,910	ND	ND	ND	ND					
			06/28/05	08/09/05	329,410	102,230	ND	ND	ND	ND					
Well: FF473			4/28/10		464,740	135,330									Vol.
Inf. and Eff.			9/15/16	3/22/17	836,090	371,350	ND	ND	ND	ND					
			3/15/19	3/27/19	892,370	56,280	ND	ND	ND	ND	ND		-		
965 County Road A				9/17/96			ND	ND	ND	ND					
Ted & Ann Nolen	JL-100		3/11/97	3/19/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		05/05/98	05/15/98	13,950	13,950	ND	ND	ND	ND					
Well: BM118	April/12		03/02/99	04/22/99	89,420	75,470	ND	ND	ND	ND					
			02/27/01 Fe	3/5/01	388,600	299,180	ND	ND	ND	ND					
			05/16/03	5/1/03	579,261	190,661	Eff. Only								
			10/25/05	11/09/05	611,660	32,399	Eff. Only								
			06/04/07	09/24/08	631,180	19,520	ND	ND	ND	ND					
			10/14/10		643,340	12,160									
			8/2/12		710,520	67,180									
			6/16/14		783,430	72,910									
			5/19/16		-	-									
			3/13/19		923,650	-									
		1	7/19/19	-	no meter reading		Tank was changed out due to cracked tank fitting according to Culligan								
							FILTERS NO LONGER INSTALLED								
920 Coyote Lane				04/15/06			2.5	ND	ND	ND					
Travis Goltz	JL-100		6/23/06		0	0									Vol.
Erica Wilebski	Every 2 yrs		12/18/08		135,510	135,510									
[redacted]	Feb./13		1/6/11	8/6/12	247,360	111,850	1.3	ND	ND	ND					
Well: SX878			12/13/13	7/24/14	396,910	111,850	Eff. Only		(toluene @ 1.9 ppb)						
			3/27/15		464,160	67,250								ND	
			3/20/19	10/18/19	704,710	240,550	1.7	ND	ND	ND	ND	ND	ND	-	
		1	5/13/22	6/24/22	875,760	171,050	1.2	ND	ND	ND	ND	ND	-		
922 Coyote Lane				2/19/10			1.5	ND	ND	ND					
Jason and Jessica Swavely	JL-100		4/27/10		0	0									
[redacted]	Every 2 yr		4/20/12	3/8/13	109,610	109,610	1.1	ND	ND	ND					
	Feb./11		4/9/14	6/17/14	276,450	166,840	Eff. Only								
Well: VA723			5/19/16	7/11/16	419,030	142,580	0.84	ND	ND	ND					
			8/28/18		581,790	162,760									
			2/6/20												
		1	7/13/22		894,320										

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
924 Coyote Lane				08/18/05			<0.67>	ND	ND	ND					
Carla and Mike Bebault	JL-100		11/02/05	12/14/05	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		5/03/07	--	45,240	45,240	--								
	Feb./09		2/17/11		230,710	185,470									
Well: SR978			3/21/14	11/6/15	328,240	97,530	1.1	ND	ND	ND					
			9/9/16	11/9/16	435,060	106,820	1.3	ND	ND	ND					
			3/22/18	5/14/18	475,620	40,560	Eff. Only							-	
			7/7/20	8/4/20	530,500	54,880	1.1	ND	ND	ND	ND	ND	-		
		1	7/13/22	11/14/22	586,860	56,360	0.76	ND	ND	ND	ND	ND	ND	ND	
927 Coyote Lane				08/18/05			2.6	ND	ND	ND					
Alissa Dutcher	JL-100		11/08/05	12/14/05	0	0	2.2	ND	ND	ND					
[redacted]	Every 2 yr		3/19/08	--	120,810	120,810	--								Vol.
New owner: Alissa Dutcher ?	Feb./15		2/5/10	4/7/10	345,300	224,490	1.8	ND	ND	ND					Vol.
Well: SK790				9/17/12	524,950	179,650	1.7	ND	ND	ND					
			2/27/13		547,210	22,260									
			3/31/14	8/5/14	596,700	49,490	Eff. Only								
			3/4/16	5/6/16	678,660	81,960	1.5	ND	ND	ND					
			3/17/17	5/17/17	725,620	46,960	1.6	ND	ND	ND					
			3/28/18		773,220	47,600									
			5/29/19	6/26/19	825,320	52,100	1.8	ND	ND	ND	ND	0.39 J	-	ND	
		1	10/2/20	10/21/20	898,080	72,760	1.5	ND	ND	ND	ND	ND	ND		
			1/6/22	7/8/22	976,680	78,600	1.4	ND	ND	ND	ND	ND	-	-	
		1	8/11/23	9/18/23	1,045,780	69,100	1.1	ND	ND	ND	ND	ND			
931 Coyote Lane				10/11/06			2.2	ND	ND	ND					
Keith and Judy Stanze	JL-100		11/16/06	--	0	0	--								
[redacted]	Every 2 yrs		3/21/08	--	65,330	65,330	--								
	Feb./12		2/18/10	4/7/10	174,380	109,050	1.5	ND	ND	ND					Vol.
Well: TM697			3/30/12	9/17/12	296,340	121,960	1.2	ND	ND	ND					
			2/17/14	2/25/14	418,930	122,590	Eff. Only								
			3/16/16	5/6/16	581,740	162,810	1.3	ND	ND	ND					
			3/23/18	5/22/18	707,340	125,600	Eff. Only	ND	ND	ND				-	
			6/18/20	7/28/20	828,970	121,630	1.1	ND	ND	ND	ND	ND	-		
			6/20/22	3/6/23			ND	ND	ND	ND	ND	ND	ND	ND	
934 Coyote Lane				08/18/05			<0.90>	ND	ND	ND					
Ashley and Dan Gilles	JL-100		11/08/05	12/14/05	0	0	1.5	ND	ND	ND					
[redacted]	Every 2 yrs		3/05/08	--	160,500	160,500	--								
	Feb./12		2/15/10	4/7/10	275,200	114,700	1.6	ND	ND	ND					
Well: SQ946			4/22/13	10/31/13	472,670	197,470	Eff. Only								
			11/8/13			(installed new meter)									
			3/25/16	12/28/16	78,410	78,410	1.5	ND	ND	ND					
			3/20/18	5/10/18	130,168	51,758	Eff. Only								
		1	7/15/20	9/3/20	281,290	151,122	1	ND	ND	ND	ND	ND	-	-	
		1	7/13/22	11/14/22	397,700	116,410	1.4	ND	ND	ND	ND	ND	ND	ND	
		FILTERS REMOVED 3/24/23													
935 Coyote Lane				03/20/05			2.7	ND	ND	ND					
Ryan & Elizabeth Goulette	JL-100		05/23/05	08/09/05	0	0	2.4	ND	ND	ND					
[redacted]	Every 2 yrs		3/09/07	--	85,510	85,510	--								
	Feb./12		11/30/09	2/19/10	200,470	114,960	1.6	ND	ND	ND					
			5/10/13	1/20/14	377,150	176,680	Eff. Only								
Well: SK786			2/2/15		454,580	77,430									
			5/19/16		-	-								ND	
			3/25/19	11/25/19	758,430	-	1.7	ND	ND	ND	ND	ND	ND		
		1	3/24/21	4/29/22	964,730	206,300	1.4	ND	ND	ND					
		1	4/5/23		1,085,390	120,660									

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Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
813 Dove Court				03/07/05			6.7	1.4	ND	ND					
Kyle & Angie Hewitt	JL-300		05/05/05	08/09/05	0	0	6.5	<0.76>	ND	ND					Vol.
[redacted]	Every 1 yr		02/10/06	04/17/06	116,110	116,110	Eff. Only								Vol.
	Aug./11		09/20/06	--	238,590	122,480	--								
Well: SU820			01/30/07	--	256,360	17,770	--								Vol.
			09/21/07	--	392,360	136,000	--								
			03/31/08	--	411,490	19,130	--								
			11/19/08	--	427,770	16,280	--								
			9/21/09	4/7/10	457,770	30,000	Eff. Only								
			8/11/10	9/28/10	483,070	25,300	5.7	<0.62>	ND	ND					
				7/25/12	547,330		5.3	ND	ND	ND					
			8/29/12	3/20/13	579,610	96,540	4.6	<0.54>	ND	ND					
			8/30/13	7/15/14	658,070	78,460	Eff. Only								
			9/2/14	1/2/15	710,470	52,400	Eff. Only								
			9/9/15	2/5/16	737,080	26,610	3.8	ND	ND	ND					
			12/2/16	1/13/17	873,530	136,450	4.5	<0.44>							
			10/2/17	12/22/17	922,380	48,850	4.6	ND	ND	ND					
			11/21/18	12/31/18	978,860	56,480	Eff. Only							ND	
		1	8/16/19	10/18/19	1,023,820	44,960	3.7	ND	ND	ND	ND	ND	ND	ND	
		1	6/15/21	7/29/21	112,770	88,950	3.2	ND	ND	ND	ND	ND	ND		
		1	8/23/23		1,248,630										
814 Dove Court				07/05/05			5.6	ND	ND	ND					
Kelly & Jennifer Wendlandt	JL-300		09/20/05	11/09/05	0	0	4.7	ND	ND	ND					Vol.
[redacted]	Every 1 yr		06/07/07	--	193,680	193,680	--								Vol.
	Jan./11		4/7/09	--	366,710	173,030	--								
Well: SY205			1/19/10	2/19/10	424,450	57,740	6.0	ND	ND	ND					
			3/12/12		668,520	244,070									
			3/21/13	4/2/13	810,160	141,640	4.1	ND	ND	ND					
			2/26/14		924,630	114,470									
			9/22/14	12/12/14	986,120	61,490	Eff. Only								
			1/27/15		1,024,850	38,730									
			12/4/15	3/1/16	1,124,090	99,240	1.7	ND	ND	ND					
			10/7/16	2/21/17	1,223,690	99,600	2.0	ND	ND	ND					
			8/2/17		1,350,660	126,970									
switch to JL-100				9/13/17	1,363,110	12,450	ND	ND	ND	ND					
			2/1/18	--	1,470,840	107,730									
			4/18/19		1,535,990	65,150									
			6/9/20	6/23/20	1,663,900	127,910	1.7	ND	ND	ND	ND	ND	-	-	
Removed JL-300s, replaced with JL-100s	JL-100	2	5/13/21	6/4/21	1,775,390	111,490	1.5	ND	ND	ND	ND	ND	ND	ND	
			5/30/22	6/27/22	1,894,550	119,160	1.3	ND	ND	ND	ND	ND	-	-	
		1	1/16/23	2/21/23	1,960,260	65,710	1.7	ND	ND	ND	ND	ND	-	-	
815 Dove Court				03/07/05			1.7	<0.76>	ND	ND					
Richard & Colleen Wobse	JL-300		05/05/05	06/15/05	0	0	2.1	<0.51>	ND	ND					Vol.
[redacted]	Every 1 yr		1/11/10	2/19/10	102,250	102,250	5.2	<1.1>	ND	ND					
	Jan./11		2/14/12		231,730	129,480									
Well: SU819			5/7/13		333,090	101,360									
			5/15/14		439,540	106,450									
			5/23/16		626,460	186,920									
			5/8/18		847,320	220,860								ND	
		1	8/16/19	10/11/19	1,001,370	154,050	5.1	0.61 J	ND	ND	1.4	ND	ND	ND	J Toluene (inf
		2	5/4/21	6/15/21	4,185,410	3,184,040	4.7	0.62 J	ND	ND	1.7	ND	ND		
		1	6/17/22	11/30/22	1,269,630	0	6	0.75 J	ND	ND	1.5	ND	ND	ND	
Irrig. System		1	7/3/23		1,340,800	71,170									

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
816 Dove Court				09/27/05			4.1	<0.60>	ND	ND					
Lance & Darlene Wendlandt	JL-300		12/05/05	12/14/05	0	0	4.5	<0.83>	ND	ND					
[redacted]	Every 1 yr		7/28/06	--	63,030	63,030	--								Vol.
	July		6/19/07	--	222,190	159,160	--								
Well: SY233			01/21/08	--	291,360	69,170	--								
			08/08/08	--	324,800	33,440	--								
			3/5/09	--	408,210	83,410	--								Vol.
			1/19/10	4/7/10	512,510	104,300	3.6	<0.53>	ND	ND					
			7/13/10	--	540,950	28,440									Vol.
			9/5/12	3/6/13	745,510	204,560	3.1	ND	ND	ND					
			2/6/14	6/25/14	876,990	131,480	Eff. Only								
			7/25/14		900,720	23,730									
			2/5/15		942,160	41,440									
			7/28/15		970,510	28,350									
			2/11/16	5/31/16	997,250	26,740	3	ND	ND	ND					
			8/18/17		1,072,770	75,520									
			2/1/18	2/21/18	1,114,450	41,680	3	ND	ND	ND					
			10/9/18		1,171,610	57,160									
			4/11/19	5/23/19	1,210,880	39,270	3.1	ND	ND	ND	0.83J		ND		
		1	11/19/19		1,248,040	37,160									
		1	2/4/21	3/3/21	1,348,980	100,940	2.5	ND	ND	ND	0.67 J	ND	ND	ND	
		1	5/18/22	6/24/22	1,423,710	74,730	3.0	ND	ND	ND	0.81 J	ND	ND	ND	
		1	6/21/23	8/28/23	1,502,730	79,020	3.1	ND	ND	ND	ND	ND	ND	ND	
817 Dove Court				09/27/05			5	ND	ND	ND					
Charlie & Kandi Stephenson	JL-100		12/13/05	3/7/06	0	0	4.8	ND	ND	ND					
[redacted]	Every 1 yr		1/12/07	--	80,340	80,340	--								
	Jan./11		03/07/08	--	162,570	82,230	--								
Well: SY234			2/9/09	--	243,330	80,760	--								
			1/29/10	4/7/10	321,950	78,620	3.6	ND	ND	ND					
			6/7/11		410,560	88,610									
			4/23/12	2/27/13	466,020	55,460	3.8	ND	ND	ND					
			2/10/14	5/8/14	579,530	113,510	Eff. Only								
			2/4/15	5/5/15	643,840	64,310	Eff. Only								
			6/9/16		735,650	91,810									
			8/18/17	10/30/17	820,810	85,160	2.2								
		1	7/23/19	10/11/19	943,050	122,240	1.7	ND	ND	ND	ND	ND	ND	ND	
		1	6/15/22		1,106,990	163,940									
		1	6/21/23		1,165,360	58,370									
982 Drover Trail				08/26/99			ND	ND	ND	ND					
Jamie Zimmer	JL-100		06/26/00	06/29/00	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		Col.	7/26/01	84,318	84,318	--	--	--	--					
	Mar./08		03/21/02	3/21/02	123,540	123,540	<1.2>	ND	ND	ND					Vol.?
Well: NA637 (87' deep)			07/16/04	08/16/04	318,110	194,570	Eff. Only								
			4/11/06	--	447,400	129,290	--								
			11/16/11		801,570	354,170									
			7/17/13	5/26/15	901,234	99,664	0.93	ND	ND	ND					
			6/10/15		975,090	73,856									
			2/28/19	3/27/19	1,053,120	78,030	ND	ND	ND	ND	ND	ND	ND	ND	
			3/19/21	5/20/21	1,103,100	49,980	ND	ND	ND	ND	ND	ND	-	-	
		1	4/3/23	5/30/23	1,180,530	77,430	ND	ND	ND	ND	ND	ND	-	-	

TABLE 12
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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
984 Drover Trail				7/7/98			1.3	ND	ND	ND					
Steve & Tara McMahon	JL-100		10/09/98	10/28/98	0	0	1.7	ND	ND	ND					
[redacted]	Every 2 yrs		01/13/00	01/26/00	79,070	79,070	1.1	ND	ND	ND					
	Mar./08		08/24/01	10/18/01	183,340	104,270	1.3	ND	ND	ND					
Well: MP004			04/04/03	4/30/03	258,290	74,950	1.2	ND	ND	ND					
Inf. and Eff.			03/12/04	03/31/04	310,522	52,232	1.1	ND	ND	ND					
			4/17/06	--	429,830	119,308	--								Vol.
			5/3/11	7/25/12	540,890	111,060	0.76	ND	ND	ND					
			4/12/13		1,636,230	1,095,340									
			3/24/14	9/3/14	1,704,580	68,350	Eff. Only								
			1/20/16		1,892,290	187,710									
			9/27/16		1,946,290	54,000									
			4/19/19		2,141,630	195,340									
	Every 1 yr	1	10/16/20		2,339,610	197,980									
			5/10/21		2,380,440	40,830									
		1	5/13/22	6/27/22	2,448,550	68,110	0.55	ND	ND	ND	ND	ND	ND	ND	
985 Drover Trail				08/26/99			1.3	ND	ND	ND					
John Schultz	JL-100		12/30/99	01/26/00	0	0	1.3	ND	ND	ND					
[redacted]	Every 2 yrs		08/23/01	8/30/01	112,450	112,450	1.2	ND	ND	ND					
Well: NB195	Mar./12		02/28/03	03/07/03	199,160	86,710	Eff. Only								
			03/21/05	04/19/05	321,510	122,350	Eff. Only								
			05/18/07	7/20/07	421,970	100,460	0.82	ND	ND	ND					Vol.
			3/26/10		578,290	156,320									
			4/20/12	3/28/13	682,140	103,850	0.71	ND	ND	ND					
			3/17/14	6/25/14	770,800	88,660	Eff. Only								
			4/18/16	8/9/16	872,720	101,920	0.82	ND	ND	ND					
			7/18/18	10/4/18	994,500	121,780	Eff. Only								
		1	11/9/20	12/8/20	1,130,710	136,210	0.71	ND	ND	ND	ND	ND	-	-	
			2/6/23	5/16/23	1,238,690	107,980	0.58	ND	ND	ND	ND	ND	ND	ND	
							FIILTERS REMOVED 9/13/2023								
986 Drover Trail				10/28/98			1.6	ND	ND	ND					
Robert & Debra Shearer	JL-100		07/22/99	07/29/99		No meter	<0.96>	ND	ND	ND					
[redacted]	Every 2 yrs			06/23/00	0	Meter installed	--	--	--	--					
	Mar./11		Col.	08/14/00	19,450	19,450	--	--	--	--					Vol.
Well: MK559			08/29/01	10/4/01	184,090	184,090	<1.1>	ND	ND	ND					
			04/10/03	4/30/03	301,178	117,088	Eff. Only								Vol.
Sprinkler system not filtered			04/10/04	04/25/04	477,630	176,452	Eff. Only								Vol.
			11/26/04	02/23/05	651,400	173,770	Eff. Only								
			04/01/05	05/13/05	665,390	13,990	Eff. Only								
			07/13/07	--	774,620	109,230	--								
			3/2/09	2/19/10	834,450	59,830	<0.78>	ND	ND	ND					
			4/5/13		982,000	147,550									
			7/6/18		1,176,740	194,740									
			2/18/20	9/4/20	1,265,180	88,440	0.24 J	ND	ND	ND	ND	ND	ND	ND	
		1	5/2/22		1,350,240	85,060									
987 Drover Trail				03/25/99			2.0	ND	ND	ND					
Joeseph & Samantha Warner	JL-100		02/18/00	03/06/00	0	0	2.0	ND	ND	ND					
[redacted]	Every 2 yrs		08/28/01	8/30/01	151,980	151,980	2.1	ND	ND	ND					
	Mar./09		04/05/02	5/15/02	53,160	?	2.0	ND	ND	ND					
Well: MX890 (100' bg)			03/07/03	3/28/03	129,130	75,970	Eff. Only								
			07/22/05	08/18/05	No Meter	New Meter 0	Eff. Only								
			06/07/07	09/24/08	84,480	84,480	1.1	ND	ND	ND					
			7/11/13		407,090	322,610									
			5/15/15	9/3/15	476,370	69,280	1.1	ND	ND	ND					
			7/18/18	11/25/19	558,030	81,660	1.3	ND	ND	ND	ND	ND	ND	ND	
			8/3/20	8/21/20	650,270	92,240	0.92	ND	ND	ND	ND	ND	-	-	
		1	9/2/22	12/20/22	712,750	62,480	0.75	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
988 Drover Trail				08/26/99			1.2	ND	ND	ND					
Richard & Anita Manhardt	JL-100		03/09/00	3/27/00	0	0	<0.96>	ND	ND	ND					Vol.
[redacted]	Every 1 yr		08/17/01	8/30/01	199,550	199,550	<0.96>	ND	ND	ND					
Well: NB181	Mar./07		03/14/02	3/21/02	264,876	65,326	<1.1>	ND	ND	ND					
			03/05/03	3/28/03	362,760	97,884	Eff. Only								Vol.
			06/28/05	07/13/05	545,370	182,610	Eff. Only								
			06/27/06	--	663,390	118,020	--								
				6/13/13	1,246,730		0.45	ND	ND	ND					
			6/18/13		1,247,200	583,810									
			3/17/15	5/12/15	1,304,590	57,390	Eff. Only								
			5/30/17	2/21/18	1,356,470	51,880	Eff. Only								
			4/19/18	6/12/18	1,387,130	30,660	ND	ND	ND	ND					
		1	10/29/19		1,389,421	2,291									
		1	7/6/21		1,407,770	18,349									
		1	9/19/22	11/30/22	158,108	-	0.56	ND	ND	ND	ND	ND	ND	ND	
989 Drover Trail				08/26/99			ND	ND	ND	ND					
Eugene & Carolyn Hess	JL-100		4/24/00	5/3/00	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		08/21/01	10/4/01	183,760	183,760	ND	ND	ND	ND					
	Mar./10		03/02/04	04/07/04	452,230	268,470	Eff. Only								
Well: NB200 (100')			04/5/06	4/26/06	554,600	102,370	ND	ND	ND	ND					
			04/04/08		656,210	101,610									
			4/7/11		796,690	140,480									
			4/22/13	6/13/13	893,490	96,800	Eff. Only								
			3/25/15	5/15/15	975,010	81,520	ND	ND	ND	ND					
			7/16/18	12/11/19	1,108,760	133,750	ND	ND	ND	ND	ND	ND	ND	ND	
LRT is no longer responsible for GACS		1	7/28/20		1,179,400	70,640									
906 Florence Lane				3/5/01			ND	ND	ND	ND					
Kim Harkness	JL-100		5/1/01	7/12/01	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		Col.	1/31/02	26,204	26,204	--	--	--	--					
	Feb./11		02/08/03	03/28/03	74,760	74,760	Eff. Only								
			03/08/05	06/16/05	180,570	105,810	Eff. Only								
Well: OM629			03/23/07	09/24/08	299,770	119,200	ND	ND	ND	ND					
			2/2/09		387,780	88,010	ND	ND	ND	ND					
			3/30/12	3/8/13	609,730	221,950	ND	ND	ND	0.65					
LRT is no longer responsible for GACS			3/30/15		827,150	217,420									
910 Florence Lane				7/12/01			1.7	ND	ND	ND					
New Owner (2020)	JL-100		11/19/01	12/03/01	0	0	2.1	ND	ND	ND					
Jessica Jacobson	Every 1 yr		03/09/04	04/06/04	114,260	114,260	Eff. Only								Vol.
[redacted]	Feb./11		03/16/06	--	247,900	133,640	--								Vol.
			03/20/08	09/24/08	399,230	151,330	1.5	ND	ND	ND					Vol.
Well: OV328			6/11/10		575,300	176,070									
Previous Owner:			3/17/14		746,310	171,010									
Michelle Drost			5/18/15	6/26/15	1,149,910	403,600	1.3	ND	ND	ND					
[redacted]			3/4/16	1/23/17	1,194,330	44,420	1	ND	ND	ND					
[redacted]			3/15/17	4/11/17	1,246,240	51,910	Eff. Only								
			10/24/18		1,317,680	71,440									
		1	1/3/20	7/21/20	1,379,040	61,360	0.93	ND	ND	ND	ND	ND	ND	ND	
		1	6/25/21	7/19/21	1,441,490	62,450	ND	ND	ND	ND	ND	ND	-	-	
		1	6/30/22	11/30/22	1,486,570	45,080	1.1	ND	ND	ND	ND	ND	-	-	
		1	7/12/23	8/28/23	1,547,540	60,970	1	ND	ND	ND	ND	ND	ND	ND	

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Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
913 Florence Lane				12/06/01			1.5	ND	ND	ND					
Lonnie & Gabrielle Reckin	JL-100		03/05/02	3/21/02	0	0	1.6	ND	ND	ND					Vol.
[redacted]	Every 1 yr		01/06/04	03/31/04	192,880	192,880	Eff. Only								Vol.
			03/15/05	03/29/05	336,840	143,960	Eff. Only								
	Feb./09		03/16/07	7/23/07	444,370	107,530	1.2	ND	ND	ND					
			03/19/08		546,490	102,120									Vol.
Well: OV489			3/30/12	8/7/12	822,540	276,050	0.99	ND	ND	ND					
			3/7/14		855,270	32,730									
			4/16/15		927,520	72,250									
			2/25/16		958,540	31,020									
			5/31/17		1,006,310	47,770									
				9/26/17	1,019,260	12,950	ND	ND	ND	ND					
			3/27/18		1,038,710	19,450									
			7/7/20	7/28/20	1,391,370	352,660	ND	ND	ND	ND	ND	ND	-	-	
		1	6/6/22		1,194,690										
914 Florence Lane				03/21/02			1.5	ND	ND	ND					
Maynard & Rebecca Huth	JL-100		6/17/02	6/17/02	0	0	1.7	ND	ND	ND					Vol.
[redacted]	Every 2 yrs		12/26/03	03/29/04	131,360	131,360	Eff. Only								
			03/08/05	03/29/05	216,800	85,440	Eff. Only								
Well: LE603	Feb./11		02/20/06 c	4/4/06	263,110	46,310	1.3	ND	ND	ND					Vol.
			03/24/08	--	436,910	173,800	--								
			2/12/10	4/7/10	545,730	108,820	1.3	ND	ND	ND					Vol.
			4/12/12	3/7/13	658,670	112,940	1.1	ND	ND	ND					
			3/7/14		754,400	95,730									
			3/23/16	5/31/16	843,850	89,450	0.96	ND	ND	ND					
			4/19/18	12/10/19	938,990	95,140	0.93	ND	ND	ND	ND	ND	ND	ND	
			7/20/21	5/6/22	1,082,490	143,500	0.93	ND	ND	ND					
		1	8/14/23		1,263,110	180,620									
917 Florence Lane				06/12/03			1.2	ND	ND	ND					
Brett & Darci Anderson	JL-100		08/18/03	08/22/03	0	0	1.3	ND	ND	ND					
[redacted]	Every 2 yrs		03/17/05	03/29/05	84,370	84,370	Eff. Only								
			03/09/07	--	193,740	109,370	--								Vol.
Well: RJ285	Feb./11		1/29/10	2/1/10	390,350	196,610	1.3	ND	ND	ND					Vol.
			4/5/12		572,950	182,600									
			5/5/14		776,350	203,400									
			3/15/16	5/17/16	996,240	219,890	0.59	ND	ND	ND					
			9/26/18	3/20/19	1,228,990	232,750	0.66	ND	ND	ND	ND		ND	ND	
			8/3/20	9/3/20	1,438,400	209,410	0.28	ND	ND	ND	ND	ND	-	-	
		1	4/7/23		1,637,210	198,810									
	Nitrates														
921 Florence Lane				3/9/06			0.4	ND	ND	ND					
Gina & William Runck	JL-100		05/15/06	--	0	0	--								
[redacted]	Every 2 yrs		02/18/08	--	110,720	110,720	--								
	Feb./12		2/11/10	4/7/10	207,710	96,990	1.1	ND	ND	ND					
			3/15/13		365,870	158,160									
Well: TI069			7/8/15		490,570	124,700									
			4/24/17	7/21/17	550,070	59,500	0.94	ND	ND	ND					
			3/20/19	6/12/19	657,200	107,130	0.88	ND	ND	ND	ND	ND	-	-	
		1	3/5/21	4/1/21	790,030	132,830	0.53	ND	ND	ND	ND	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
922 Florence Lane				04/26/04			ND	ND	ND	ND					
Richard Green	JL-100		07/14/04	09/30/04	0	0	3.3	ND	ND	ND					
[redacted]	Every 1 yr		12/01/04	12/08/04	115,520	115,520	Eff. Only								
	Feb./11		2/14/06	4/17/06	200,660	85,140	Eff. Only								
Well: SC159			03/28/07	--	380,600	179,940	--								
			02/18/08	6/9/08	522,740	142,140	1.4	ND	ND	ND					Vol.
			2/15/10		788,490	265,750									Vol.
			3/30/12	10/18/12	955,000	166,510	1.2	ND	ND	ND					
			3/11/13		1,070,530	115,530									
			2/17/14	7/1/14	1,186,580	116,050	Eff. Only								
			2/20/15	3/26/15	1,245,950	59,370	Eff. Only								
			3/11/16	5/12/16	1,315,750	69,800	1.1	ND	ND	ND					
			2/27/17	4/11/17	1,393,480	77,730	Eff. Only								
			3/12/18	3/30/18	1,466,060	72,580	Eff. Only								
			3/26/19	6/3/19	1,581,420	115,360	0.96	ND	ND	ND	ND		ND	ND	
		1	7/13/20	7/28/20	1,695,040	113,620	0.76	ND	ND	ND	ND	ND	-	-	
		1	7/13/21	8/20/21	1,840,600	145,560	0.84	ND	ND	ND	ND	ND	ND	ND	
		1	7/12/22	11/14/22	1,959,740	119,140	0.86	ND	ND	ND	ND	ND	-	-	
		1	8/14/23		2,116,360	156,620									
926 Florence Lane				3/21/01	1st Well		ND	ND	ND	ND					
Teresa Tipp				8/30/01	2nd Well		ND	ND	ND	ND					
	JL-100		01/08/02	01/22/02	0	0	<0.53>	ND	ND	ND					
	Every 1 yr		02/17/03	02/17/03	95,140	95,140	Eff. Only								Vol.
[redacted]	Feb./08		11/23/04	11/23/04	243,425	148,285	Eff. Only								Vol.
Well: MY970 (257 ft)-First			8/1/06	--	440,270	196,845	--								
Well: MY982 (ft)-Second			03/08/07	--	496,750	56,480	--								
			1/17/13		1,096,660	599,910									
			4/1/14		1,188,050	91,390									
		2	1/20/21	1/7/21	1,723,850	535,800	0.33 J	ND	ND	ND	ND	ND	ND	ND	
		1	5/13/22		1,761,710	37,860									
927 Florence Lane				7/12/01			ND	ND	ND	ND					
Scott & Jill Link	JL-100		8/24/01	8/30/01	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		10/30/03	12/03/03	166,370	166,370	Eff. Only								
	Feb./12		03/22/05	03/29/05	326,100	159,730	Eff. Only								
Well: OM696			2/14/06 c	4/4/06	421,560	95,460	ND	ND	ND	ND					
[redacted]			02/21/08	--	715,360	293,800	--								Vol.
			3/10/10		891,260	175,900									
			3/29/12		1,013,840	122,580									
			3/4/14		1,158,180	144,340									
			3/8/16		1,269,470	111,290									
			4/9/18		1,385,890	116,420									
LRT is no longer responsible for GACS			7/7/20		1,508,670	122,780									
931 Florence Lane				12/20/01			2.4	ND	ND	ND					
Shelly McGrath & Tyler Behr	JL-100		4/2/02	4/18/02	0	0	1.4	ND	ND	ND					
[redacted]	Every 2 yrs		02/24/03	02/28/03	76,990	76,990	Eff. Only								
	Feb./12		04/10/04	04/26/04	141,700	64,710	Eff. Only								
			03/07/05	05/13/05	189,550	47,850	Eff. Only								
New owner Darin Anderson?			03/20/07	7/23/07	334,700	145,150	ND	ND	ND	ND					
[redacted]			03/24/08	--	409,390	74,690	--								
			2/17/10		524,140	114,750									
Well: OK193			5/1/12	3/8/13	600,320	76,180	ND	ND	ND	ND					
			2/28/14		628,960	28,640									
			7/18/16		668,620	39,660									
			4/5/19		749,030	80,410									
		1	4/26/22	3/6/23	831,140	82,110	ND	ND	ND	ND	ND	ND	ND	ND	
															(Toluene 0.60 p

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
935 Florence Lane	JL-100			6/20/13		Raw water	2.7	ND	ND	ND					
Mollie Hagman	Every 1 yr		9/26/13	10/8/13	1,560	1,560	Eff. Only								
[redacted]	Sept./13		9/22/14	12/12/14	51,900	50,340	Eff. Only								
			4/1/16	7/22/16	136,680	84,780	2.2	ND	ND	ND					
Well: XD640			9/27/17	2/9/18	222,300	85,620	Eff. Only								
			1/19/21												
			7/9/21		446,320	446,320									
			7/5/22	11/14/22	510,910	64,590	1.9	ND	ND	ND	ND	ND	ND	ND	
936 Florence Lane				5/4/01			2.6	ND	ND	ND					
John McGrew & Kimberly Hanson	JL-100		7/19/01	7/26/01	0	0	5.2	ND	ND	ND					Vol.
	Every 1 yr		01/29/03	01/31/03	156,380	156,380	Eff. Only								Vol.
	Feb./14		02/26/04	03/26/04	290,740	134,360	Eff. Only								
			03/01/05	03/29/05	415,530	124,790	Eff. Only								Vol.
			2/16/06 c	4/4/06	573,040	157,510	4.7	ND	ND	ND					
			8/24/06	--	682,291	109,251	--								Vol.
Well: ON772			03/06/07	--	873,280	190,989	--								Vol.
			08/28/07	--	1,030,860	157,580	--								
			03/03/08	--	1,060,050	29,190	--								
			12/29/08	--	1,248,090	188,040	--								
			9/24/09	--	1,370,160	122,070	--								
			2/12/10		1,393,300	23,140									
			8/6/10		1,469,500	76,200									Vol.
			7/27/12	7/30/12	1,776,170	306,670	3.3	ND	ND	ND					
			3/6/13	5/22/13	1,912,470	136,300	Eff. Only								
			8/14/13		1,973,100	60,630									
			2/25/14		2,049,270	76,170									
			3/3/15	7/8/15	2,203,980	154,710	2.6	ND	ND	ND					
			5/20/16	8/29/16	2,292,010	88,030	Eff. Only								
			2/27/17		2,421,840	129,830									
			3/20/18		2379610?	-									
			6/21/19	8/14/19	2,451,940	-	2.1	ND	ND	ND	ND	ND	ND	ND	
			3/5/21	5/5/21	2,550,700	98,760	2.3 J	ND	ND	ND	ND	ND	ND	ND	
		1	5/31/22		2,620,430	69,730									
940 Florence Lane				04/18/02			2.6	ND	ND	ND					
Josh & Angie Swanson	JL-100		11/01/02	01/21/03	0	0	5.0	ND	ND	ND					
	Every 1 yr		03/18/04	04/06/04	90,060	90,060	Eff. Only								Vol.
	Feb./11		03/21/05	03/29/05	237,590	147,530	Eff. Only								
[redacted]			2/24/06	4/17/06	332,110	94,520	Eff. Only								Vol.
			03/09/07	--	469,860	137,750	--								Vol.
[redacted]			03/20/08	09/24/08	635,680	165,820	3.2	ND	ND	ND					
Well: OV520			10/23/08	--	738,470	102,790	--								
			9/10/09	--	863,690	125,220	--								
			2/22/10		897,550	33,860									
			3/12/12												
			4/1/13	4/2/13	0	(New meter 4/1/13)	2.0	ND	ND	ND					
			2/24/14	5/27/14	124,360	124,360	Eff. Only								
			3/5/15	5/26/15	165,580	41,220	Eff. Only								
			3/11/16	5/24/16	278,880	113,300	2.0	ND	ND	ND					
			3/20/17	5/8/17	363,870	84,990	Eff. Only								
			3/20/18	6/12/18	452,750	88,880	1.9	ND	ND	ND					
			3/22/19	6/17/19	533,910	81,160	1.5	ND	ND	ND	ND		-	-	
		1	5/26/20	7/8/20	625,120	91,210	1.5	ND	ND	ND	ND	ND	ND	ND	
		1	6/10/21	7/15/21	706,500	81,380	1.5	ND	ND	ND	ND	ND	-	-	
		1	7/13/22	11/30/22	789,160	82,660	1.7	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
941 Florence Lane				7/12/01			4.4	ND	ND	ND					
Craig & Michelle Berquist	JL-100		10/02/01	10/18/01	0	0	3.5	ND	ND	ND					
[redacted]	Every 2 yrs		3/7/03	04/30/03	86,950	86,950	3.6	ND	ND	ND					Vol.
[redacted]	Feb./12		12/20/05	4/9/06	267,240	180,290	3.1	ND	ND	ND					Vol.
[redacted]			7/13/07	--	399,660	132,420	--								Vol.
[redacted]			4/27/10	2/1/10	586,180	186,520	2.4	ND	ND	ND					
			9/3/13		756,770	170,590									
Well: ON795			5/21/15		817,920	61,150									
Inf. and Eff.			7/20/16	11/9/16	853,230	35,310	2.2	ND	ND	ND					
			9/6/18		914,120	60,890									
		1	11/4/20		977,140	63,020									
		1	2/28/23	5/30/23	1,043,070	65,930	1.3	ND	ND	ND	ND	ND	ND	ND	
945 Florence Lane				10/22/01			4.0	ND	ND	ND					
Lukus and Natalie Rivard	JL-100		01/17/02	01/22/02	0	0	4.5	ND	ND	ND					Vol.
[redacted]	Every 1 yr		02/07/03	02/17/03	183,930	183,930	Eff. Only								Vol.
	Feb./11		11/13/03	12/03/03	339,880	155,950	Eff. Only								
Well: OV427			03/01/05	03/28/05	444,960	105,080	Eff. Only								
			2/20/06	4/4/06	541,730	96,770	3.4	ND	ND	ND					Vol.
New owner: Cayla Tollefson (2022)			3/15/07	--	830,410	288,680	--								
			8/3/07	--	904,450	74,040	--								
			2/28/08	--	955,430	50,980	--								Vol.
			11/3/08	--	1,123,630	168,200	--								
			8/6/09	--	1,267,070	143,440	--								
			4/30/10		1,323,830	56,760									
			7/23/10		1,380,720	56,890	meter reading								
			11/3/11		1,527,920	147,200									
			3/15/13		1,609,300	81,380									
			2/18/14	8/13/14	1,632,710	23,410	Eff. Only								replace meter
			9/18/14	11/26/14	1,650,380	17,670	Eff. Only								
			3/3/15	5/22/15	18,090	18,090	2.0	ND	ND	ND					
			2/24/16	6/29/16	95,430	77,340	Eff. Only								
			2/27/17	5/8/17	148,940	53,510	1.8	ND	ND	ND					
			3/20/18		212,420	63,480									
			4/5/19		276,300	63,880									
			6/15/20		349,710	73,410									
			7/14/21	8/20/21	426,320	76,610	1.5	ND	ND	ND	ND	ND	ND	ND	
		1	7/12/22		501,180	74,860									
		1	8/11/23		565,080	63,900									
948 Florence Lane				8/30/01			3.5	ND	ND	ND					
New owners 1/2019:	JL-100		03/05/02	3/21/02	0	0	3.4	ND	ND	ND					Vol.
Jenna & Gregory Bjork	Every 1 yr		02/07/03	02/28/03	141,500	141,500	Eff. Only								Vol.
[redacted]	Sept.		08/26/03	09/25/03	275,780	134,280	Eff. Only								
			02/27/04	03/26/04	345,260	69,480	Eff. Only								
Well: OR597			09/08/04	09/27/04	444,970	99,710	Eff. Only								
			03/04/05	03/28/05	490,700	45,730	Eff. Only								
			09/20/05	11/03/05	597,290	106,590	Eff. Only								
			2/21/06 c	4/4/06	636,710	39,420	2.8	ND	ND	ND					Vol.
			8/22/06	--	841,920	205,210	--								
			2/28/07	--	901,330	59,410	--								Vol.
			8/3/07	--	1,074,107	172,777	--								Vol.
			4/24/09	--	1,354,320	280,213	--								
			12/7/09		1,452,440	98,120									
			9/29/10		1,544,750	92,310									
			3/14/12	7/25/12	1,793,310	248,560	ND	ND	ND	ND					
			6/2/14	8/12/15	2,056,900	263,590	2	ND	ND	ND					
			10/8/15		2,176,240	119,340									
			11/27/17	1/15/18	2,376,240	200,000	1.8	ND	ND	ND					
				7/24/19	2,512,440	136,200	1.8	ND	ND	ND	ND	ND	ND	ND	
		1	7/24/19		2,512,540	136,300									
		1	7/31/20	8/21/20	2,585,380	72,840	1.8	ND	ND	ND	ND	ND	-	-	
		1	7/14/21	10/5/21	2,669,670	84,290	ND	ND	ND	ND	ND	ND			
		1	7/7/22	11/22/22	2,760,910	91,240	1.1	ND	ND	ND	ND	ND	ND	ND	
		1	7/11/23		2,870,110	109,200									

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
949 Florence Lane				10/4/01			5.0	ND	ND	ND					
Rebecca & Charles Gillis	JL-100		12/12/01	12/20/01	0	0	4.4	ND	ND	ND					
[redacted]	Every 2 yr		02/28/04	03/29/04	100,790	100,790	Eff. Only								Vol.
	Feb./09		3/14/06 c	4/4/06	260,060	159,270	3.0	ND	ND	ND					
Well: OJ554			4/17/07	--	365,800	105,740	--								Vol.
			8/19/08	--	505,590	139,790	--								
			3/4/11		644,490	138,900									
			4/23/13		763,620	119,130									
			3/25/16	5/6/16	902,620	139,000	2	ND	ND	ND					
			2/27/19		1,010,920	108,300									
		1	3/5/21	3/26/21	1,093,220	82,300	1.8	ND	ND	ND	ND	ND	ND	ND	
			3/24/23	5/16/23	1,190,450	97,230	1.4	ND	ND	ND	ND	ND	-	-	
952 Florence Lane				10/4/01			4.6	ND	ND	ND					
Jeff & Shannon Welle	JL-100		1/11/02	01/22/02	0	0	3.9	ND	ND	ND					
[redacted]	Semi-Ann.		02/12/03	02/28/03	87,080	87,080	Eff. Only								Vol.
	Feb./Aug.		02/27/04	04/06/04	224,260	137,180	Eff. Only								
Well: OV350			03/25/05	04/19/05	346,420	122,160	Eff. Only								
			03/31/06	--	497,360	150,940	--								
			09/8/06	--	713,320	215,960	--								
			03/23/07	7/20/07	871,060	157,740	3.3	ND	ND	ND					
			3/21/08	--	1,236,300	365,240	--								
			11/14/08	--	1,402,590	166,290	--								
			9/11/09	--	1,558,630	156,040	--								
			2/19/10		1,611,960	53,330									
			3/20/12												
			10/18/12	10/18/12	2,184,450	572,490	2.0	ND	ND	ND					
			6/14/13		2,262,100	77,650									
			11/4/13	1/20/14	2,408,110	146,010	Eff. Only								
			10/24/14	3/4/15	2,511,600	103,490	Eff. Only								
			3/2/15		2,540,070	28,470									
			11/11/15	2/5/16	2,608,420	68,350	1.9	ND	ND	ND					
			3/8/16		2,638,650	30,230									
			9/2/16	11/11/16	2,736,110	97,460	2.3	ND	ND	ND					
			2/20/17		2,759,680	23,570									
			9/27/17												
			3/5/18	3/14/18	2,869,970	110,290	Eff. Only								
			11/13/18	12/31/18	3,022,290	152,320	1.7	ND	ND	ND					
		1	8/7/19		3,162,260	139,970									
			7/1/20	7/8/20	3,403,170	240,910	2.1	ND	ND	ND	ND	ND	ND	ND	
		1	3/22/21	5/20/21	3,566,980	163,810	1.4	ND	ND	ND	ND	ND	-	-	
			4/15/22	6/24/22	3,926,370	359,390	1.7	ND	ND	ND	ND	ND	-	-	
			3/2/23		4,228,030	301,660									
953 Florence Lane				3/2/06			1.6	ND	ND	ND					
Dolf & Heather Schmidt	JL-100		4/27/06	--	0	0	--								
[redacted]	Every 1 yrs		3/27/08		116,630	116,630									
	Feb./12		8/2/10		234,250	117,620									Vol.
			3/29/12	3/29/13	329,950	95,700	1.7	ND	ND	ND					
Well: TE168			3/4/14	7/24/14	430,910	100,960	Eff. Only								
			3/3/15	6/26/15	486,940	56,030	Eff. Only								
			7/26/16	6/20/17	583,440	96,500	2.2	ND	ND	ND					
			11/21/17	2/27/18	662,520	79,080	Eff. Only								
			2/15/19	5/23/19	746,990	84,470	2	ND	ND	ND	ND	0.63 J	ND	ND	
		1	5/26/20	9/18/20	836,340	89,350	1.7	ND	ND	ND	ND	ND	-	-	
		1	6/25/21	8/20/21	930,520	94,180	1.8	ND	ND	ND	ND	ND			
		1	9/16/22	5/16/23	1,011,790	81,270	1.6	ND	ND	ND	ND	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
956 Florence Lane				12/20/01			3.6	ND	ND	ND					
Dennis & Jennifer Kresel	JL-100		4/2/02	4/4/02	0	0	3.5	ND	ND	ND					(Vol.)
[redacted]	Every 2 yrs		07/14/04	08/16/04	147,960	147,960	Eff. Only								
	Feb./06		2/27/13		656,650	508,690									
Well: QK860			6/16/15	8/25/15	743,798	87,148	1.6	ND	ND	ND					
			6/14/17		860,450	116,652									
			4/4/19	6/12/19	934,140	73,690	2	ND	ND	ND	ND		-	-	
			8/25/21	11/24/21	1,079,500	145,360	1.3	ND	ND	ND	ND	ND	ND	ND	
		1	7/21/22		1,114,460	34,960									
957 Florence Lane				12/20/01			3.4	ND	ND	ND					
Brittany Schroeder	JL-100		03/07/02	3/21/02	0	0	3.1	ND	ND	ND					
[redacted]	Every 2 yr		03/08/04	03/29/04	131,970	131,970	4.2	ND	ND	ND					Vol.
	Feb./15		03/8/06	05/15/06	268,790	136,820	Eff. Only								Vol.
Well: OV471			04/5/07	--	430,820	162,030	--								Vol.
			3/19/08	9/24/08	584,710	153,890	3.1	ND	ND	ND					Vol.
			3/26/10		755,610	170,900									
			4/12/12	3/27/13	871,770	116,160	1.8	ND	ND	ND					
			4/5/13		935,510	63,740									
			3/7/14	6/25/14	960,860	25,350	Eff. Only						ND	ND	
			6/1/15	6/22/15	987,280	26,420	2	ND	ND	ND					
			3/4/16	5/12/16	1,137,990	150,710	Eff. Only						ND	ND	
			6/30/17		1,191,320	53,330									
			4/20/18		1,215,080	23,760									
		1	4/8/22	4/29/22	1,388,500	173,420	1.5	ND	ND	ND	ND	ND	ND	ND	
		1	9/22/23												
960 Florence Lane				7/26/01			ND	ND	ND	ND					
Jeff and Laura Hendricks	JL-100		11/21/01	12/03/01	0	0	2.8	ND	ND	ND					
[redacted]	Every 1 yr		02/21/03	3/28/03	94,310	94,310	Eff. Only								
	Feb./11		02/24/04	04/23/04	207,630	113,320	Eff. Only								
Well: OV332			03/11/05	04/20/05	297,590	89,960	Eff. Only								
			04/11/06	--	389,800	92,210	--								
			4/10/07	7/23/07	500,500	110,700	<0.46>	ND	ND	ND					
			3/17/08	--	591,780	91,280	--								
			11/25/09		777,400	185,620									
			3/22/12	10/18/12	939,690	162,290	ND	ND	ND	ND					
			3/11/13		1,002,850	63,160									
			1/27/14	3/18/14	1,051,300	48,450	Eff. Only								
			3/10/15	6/26/15	1,094,234	42,934	1.5	ND	ND	ND					
			3/25/16		1,166,270	72,036									
			3/7/17	4/11/17	1,220,440	54,170	Eff. Only								
			3/19/18	5/14/18	1,275,290	54,850	1.3	ND	ND	ND					
			4/1/19		1,318,270	42,980									
	Every 2 yrs		7/7/20	7/28/20	1,372,910	54,640	1.5	ND	ND	ND	ND	ND	-	-	
		1	7/13/22		1,461,070	88,160									
		1	9/13/23		1,559,760	98,690									

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
963 Florence Lane				09/13/02			2.7	ND	ND	ND					
Joel Sengbusch	JL-100		12/31/02	01/21/03	0	0	2.5	ND	ND	ND					
[redacted]	Every 1 yr		03/02/04	03/31/04	84,910	84,910	Eff. Only								
	Feb./11		03/22/05	03/28/05	163,260	78,350	Eff. Only								
Well: QR882			03/21/06	04/17/06	240,690	77,430	Eff. Only								
			03/09/07	7/19/07	324,970	84,280	2.4	ND	ND	ND					
			3/11/08	--	423,790	98,820	--								Vol.
			2/23/10		604,170	323,230									
			3/14/12		770,980	166,810									
			3/6/13	6/13/13	856,510	85,530	Eff. Only								
			2/25/14	5/8/14	943,897	87,387	Eff. Only								
			3/3/15	5/26/15	1,074,150	130,253	1.9	ND	ND	ND					
			3/25/16	5/12/16	1,167,560	93,410	Eff. Only								
			3/7/17	4/11/17	1,254,340	86,780	ND	ND	ND	ND					
			3/13/18	3/30/18	1,333,750	79,410	Eff. Only								
			3/12/19	4/2/19	1,406,290	72,540	1.4	ND	ND	ND	ND				
			6/18/20	7/28/20	1,510,050	103,760	1.7	ND	ND	ND	ND	ND	-	-	
		1	7/20/21	8/24/21			1.7	ND	ND	ND	ND	ND	ND	ND	
		1	7/14/22	11/14/22	1,662,180		1.2	ND	ND	ND	ND	ND	-	-	
		1	7/25/23	9/5/23	1,738,060	75,880	1.5	ND	ND	ND	ND	ND	-	-	
966 Florence Lane				10/4/01			3.7	ND	ND	ND					
Doug and Barbara Brozek	JL-100		12/12/01	12/20/01	0	0	4.1	ND	ND	ND					
[redacted]	Every 1 yr		02/24/03	02/28/03	81,220	81,220	Eff. Only								Vol.
	Aug./11		03/08/04	03/29/04	364,930	283,710	Eff. Only								
Well: OB436			08/23/04	09/27/04	446,300	81,370	Eff. Only								
			09/22/05	11/03/05	494,380	48,080	Eff. Only								
			03/23/07	--	644,500	150,120	--								
			08/21/07	--	732,470	87,970	--								
			3/4/08	--	765,770	33,300	--								
			10/1/08	--	837,950	72,180	--								
			9/8/09	--	919,790	81,840	--								
			4/8/10		960,270	40,480									
			8/11/10		982,040	21,770									
			8/28/12		1,123,620	141,580									
			9/13/13	1/7/14	1,242,370	118,750	Eff. Only								
			8/25/14	1/19/15	1,341,260	98,890	Eff. Only								
			9/9/15	1/19/16	1,395,150	53,890	2.2	ND	ND	ND					
			9/2/16		1,460,650	65,500									
			8/9/17	8/30/17	1,522,630	61,980	Eff. Only	ND	ND	ND					
			12/5/18	1/7/19	1,608,810	86,180	1.8	ND	ND	ND			ND	ND	
		1	1/29/21		1,741,180	132,370									
			5/12/22	6/24/22	1,811,190	70,010	ND	ND	ND	ND	ND	ND	-	-	
967 Florence Lane				08/27/02			2.8	ND	ND	ND					
Jason & Gail Jung	JL-100		11/05/02	11/14/02	0	0	3.4	ND	ND	ND					
[redacted]	Every 1 yr		03/18/04	03/29/04	55,980	55,980	Eff. Only								
	Feb./11		02/28/06	--	167,300	111,320	--								Vol.
			3/10/08	6/9/08	375,460	208,160	2.7	ND	ND	ND					Vol.
			2/16/10		540,690	165,230									Vol.
			3/9/12	10/31/12	723,300	182,610	1.5	ND	ND	ND					
Well: QR883			3/3/14	6/16/14	870,530	147,230	Eff. Only								
			3/17/15	5/26/15	940,020	69,490	1.7	ND	ND	ND					
			3/23/16	5/17/16	1,015,840	75,820	Eff. Only								
			3/1/17	3/28/17	1,090,050	74,210	Eff. Only								
			4/5/18	6/12/18	1,161,370	71,320	1.6	ND	ND	ND					
			3/29/19	5/23/19	1,229,900	68,530	1.8	ND	ND	ND	ND		-	-	
			6/15/20	6/30/20	1,309,030	79,130	ND	ND	ND	ND	ND	ND	ND	ND	
		1	7/22/21	9/1/21	1,390,020	80,990	1.3	ND	ND	ND	ND	ND			
		1	7/14/22	11/30/22	1,469,240	79,220	1.8	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
970 Florence Lane				01/31/01			2.6	ND	ND	ND					
Kenneth & Barbara Kolbe	JL-100		3/27/01	7/12/01	0	0	2.0	ND	ND	ND					
[redacted]	semi-ann		02/18/02	2/21/02	50,803	50,803	1.4	ND	ND	ND					
	Feb/Aug		02/07/03	02/17/03	152,910	102,107	Eff. Only								
			02/20/04	04/06/04	277,250	124,340	Eff. Only								
Well: ON726 (235 ft)			03/08/05	08/31/05	345,270	68,020	Eff. Only								
			05/9/06	--	447,740	102,470	--								Vol.
			03/06/07	--	628,660	180,920	--								Vol.
			5/13/08	--	875,700	247,040	--								Vol.
			7/21/09	--	1,251,400	375,700	--								
			4/13/10		1,371,390	119,990									Vol.
			8/30/10		1,588,760	217,370									
			9/6/11		1,888,950	300,190									
			5/18/12		1,940,290	51,340									Vol.
			10/26/12		2,212,260	271,970									
			9/3/13	1/7/14	2,510,200	297,940	Eff. Only								
			8/28/14	11/26/14	2,929,140	418,940	Eff. Only								
			3/17/15	6/2/15	3,059,460	130,320	Eff. Only								
			9/15/15	1/4/16	3,259,460	200,000	0.89	ND	ND	ND					
			4/25/16	6/29/16	3,312,040	52,580	Eff. Only								
			9/27/16	12/28/16	3,630,120	318,080	ND	ND	ND	ND					
			3/3/17	4/11/17	3,657,970	27,850	Eff. Only								
			3/27/18	5/14/18	3,782,050	124,080	Eff. Only								
			11/16/18	12/31/18	4,186,540	404,490	ND	ND	ND	ND					
		1	8/5/19	9/20/19	4,227,770	41,230	1.1	ND	ND	ND	ND	ND	-	-	
		1	11/24/20	1/12/21	4,363,190	135,420	0.86	ND	ND	ND	ND	ND	ND	ND	
			4/26/22	6/10/22	4,661,670	298,480	1.2	ND	ND	ND	ND	0.64 J	-	-	
			3/9/23	5/16/23	4,826,970	165,300	0.94	ND	ND	ND	ND	ND	-	-	
Irrig. System															
971 Florence Lane				7/12/01			4.4	ND	ND	ND					
Sean & Patrice Denning	JL-100		11/01/01	11/01/01	0	0	3.7	ND	ND	ND					
[redacted]	Every 1 yr		Col.	6/4/02	49,632	49,632	--	--	--	--					
	Feb./10		02/21/03	02/28/03	111,490	61,858	Eff. Only								
Well: ON749			03/05/04	03/26/04	216,190	104,700	3.5	ND	ND	ND					Vol.
			07/11/05	08/09/05	358,030	141,840	3.3	ND	ND	ND					
			05/5/06	--	437,350	79,320	--								
			03/01/07	--	543,150	105,800	--								Vol.
			4/11/08	--	700,620	157,470	--								Vol.
			11/16/09		857,310	156,690									
			9/26/11		1,012,520	155,210									
			4/18/14		1,194,620	182,100									
			8/12/14	11/26/14	1,280,910	86,290	Eff. Only	(install pressure guage due to it being rusty and filled with water)							
			6/3/15		1,337,100	56,190									
			5/4/16		1,408,890	71,790									
			11/21/17		1,528,260	119,370									
				8/28/20	1,717,120	-	0.92	ND	ND	ND	ND	ND	ND	ND	
		1	5/12/22		1,840,140	123,020									
Outside faucet unfiltered--front wall															
974 Florence Lane				09/26/02			1.2	ND	ND	ND					
Christine & Brian Gerhardt	JL-100		01/14/03	01/21/03	0	0	1.4	ND	ND	ND					
[redacted]	Every 1 yr		02/28/04	03/29/04	91,450	91,450	Eff. Only								Vol.
	Feb./07		05/3/06	--	765,660	674,210	--								
Well: OK397			4/19/11		1,150,840	385,180									
			5/8/14		1,269,390	118,550									
			3/27/18		1,396,030	126,640									
			4/16/19		1,449,750	53,720									
			7/7/20	8/11/20	1,570,580	120,830	1.6	ND	ND	ND	ND	ND	ND	ND	
			11/16/21	3/4/22	1,591,440	20,860	1.5	ND	ND	ND	ND	ND			
		1	1/5/23		1,645,680	54,240									

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
879-A Fraser Lane				5/4/01			<1.6>	ND	ND	ND					
Donnette Hunsberger-renter	JL-100		07/19/01	7/26/01	0	0	<1.3>	ND	ND	ND					
[redacted]	Every 2 yr		02/19/03	02/28/03	59,140	59,140	Eff. Only								
	Dec./08		03/09/04	03/29/04	127,360	68,220	Eff. Only								
			01/11/06	2/20/06	260,690	133,330	ND	ND	ND	ND					Vol.
Sweetgrass Properties LLC			02/16/07	--	403,920	143,230	--								
Well: OM698 (at 881-B Fraser)			1/14/11		525,360	121,440									
			7/23/14		658,830	133,470									
		2	8/15/19		979,340	320,510									
		1	5/12/22		977,000										
879-B Fraser Lane				5/4/01			<1.6>	ND	ND	ND					
	JL-100		07/23/01	7/26/01	0	0	<1.3>	ND	ND	ND					
	Every 1 yr		02/19/03	02/17/03	79,500	79,500	Eff. Only								Vol.
Sweetgrass Properties LLC	Dec./08		11/11/04	11/19/04	280,568	201,068	Eff. Only								
Well: OM698 (at 881-B Fraser)			02/23/06	2/20/06	361,000	80,432	ND	ND	ND	ND					Vol.
			02/20/07	--	502,230	141,230	--								
			7/15/11		858,090	355,860									
			12/16/14		979,340	121,250									
		2	8/15/19		823110?										
881-A Fraser Lane				5/4/01			<1.6>	ND	ND	ND					
	JL-100		07/16/01	7/26/01	0	0	<1.3>	ND	ND	ND					
	Every 2 yrs		02/12/03	02/17/03	63,450	63,450	Eff. Only								
Sweetgrass Properties LLC	Dec./09		03/08/05	04/01/05	135,330	71,880	Eff. Only								
Well: OM698 (at 881-B Fraser)				02/20/06			ND	ND	ND	ND					
			04/06/07	--	511,480	376,150	--								Vol.
			12/19/12		1,197,358	685,878									
			1/9/15		1,426,170	228,812	ND	ND	ND	ND					
			1/8/16		1,479,610	53,440									
			1/27/17		1,540,040	60,430									
			1/20/21												
			8/25/22		1,692,850										
881-B Fraser Lane				5/4/01			<1.6>	ND	ND	ND					
	JL-100		7/19/01	7/26/01	0	0	<1.3>	ND	ND	ND					
	Every 2 yrs		03/26/03	3/28/03	56,330	56,330	Eff. Only								
Sweetgrass Properties LLC	Dec./12			02/20/06			ND	ND	ND	ND					
Well: OM698			8/28/07	--	181,490	125,160	--								
			11/3/10	--	260,080	78,590									
Renter: Michael Wazlawik			2/12/15	3/26/15	142,350	New Meter	Eff. Only								
			8/9/17	9/13/17	261,650	119,300	ND	ND	ND	ND					
			4/4/19	5/29/19	323,360	61,710	ND	ND	ND	ND	ND	1.6 J	-	-	
		1	7/29/22	10/13/22	492,290	168,930	ND	ND	ND	ND	ND	ND	ND	ND	ND
884 Fraser Lane				07/22/02			ND	ND	ND	ND					
Michelle & Barry Robole	JL-100		11/04/02	11/14/02	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		10/11/05	11/03/05	359,220	359,220	Eff. Only								
	Dec./09		02/13/07	9/24/08	550	190,780	ND	ND	ND	ND					
Well: OA618			5/2/18	7/20/18	1,380,290	1,379,740	ND	ND	ND	ND					
LRT is no longer responsible for GACS		1	10/19/20	12/8/20	1,523,000	142,710	ND	ND	ND	ND	ND	ND	-	-	
885-A Fraser Lane				5/4/01			<1.6>	ND	ND	ND					
	JL-100		06/12/01	07/12/01	0	0	<1.3>	ND	ND	ND					
	Every 1 yr		02/07/03	02/17/03	93,520	93,520	Eff. Only								
			11/19/04	11/19/04	205,830	112,310	Eff. Only								
Sweetgrass Properties LLC	Dec./09			02/20/06			ND	ND	ND	ND					
Well: OM698 (at 881-B Fraser)			3/6/08		468,770	262,940									Vol.
			12/27/12	3/12/13	820,830	352,060	ND	ND	ND	ND					
			1/20/14	3/5/14	871,950	51,120	Eff. Only								
			4/8/15		918,750	46,800									
			12/11/15		946,710	27,960									
			3/31/17		1,031,206	84,496									
			4/9/18		1,048,640	17,434									
		1	12/3/20		1,085,600	36,960									

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SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule*	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
885-B Fraser Lane				5/4/01			<1.6>	ND	ND	ND					
	JL-100		05/30/01	07/12/01	0	0	<1.3>	ND	ND	ND					
	Every 1 yr		02/28/03	02/17/03	113,910	113,910	Eff. Only								Vol.
Sweetgrass Properties LLC	Dec./06		11/19/04	11/19/04	276,860	162,950	Eff. Only								
Well: OM698 (at 881-B Fraser)				02/20/06			ND	ND	ND	ND					Vol.
			12/27/12	3/8/13	831,600	554,740	0.43	ND	ND	ND					
			1/10/14		887,310	55,710									
			1/19/15		925,770	38,460									
			5/4/16		975,480	49,710									
			3/28/17		1,042,427	66,947									
			5/21/18		1,065,140	22,713									
889-A Fraser Lane				2/9/01			<1.3>	ND	ND	ND					
	JL-100		03/13/01	3/7/01	0	0	<1.0>	ND	ND	ND					
	Every 2 yrs		02/17/03	02/17/03	56,160	56,160	Eff. Only								
				11/12/04			<0.70>	ND	ND	ND					
Sweetgrass Properties LLC	Dec./09		03/29/05	04/20/05	180,720	124,560	Eff. Only								
Well: OM650 (at 891-B Fraser)			03/22/07		266,560	85,840									
				2/19/10			<0.55>	ND	ND	ND					
			1/30/13		488,470	221,910									
			4/13/16		608,220	119,750									
		1	8/15/19	*	759,050	150,830	*See results for 889-B Fraser Lane								
889-B Fraser Lane				2/9/01			<1.3>	ND	ND	ND					
	JL-100		04/4/01	3/7/01	0	0	<1.0>	ND	ND	ND					
	Every 1 yr		02/17/03	02/17/03	125,780	125,780	Eff. Only								
Sweetgrass Properties LLC	Dec./10			04/06/04	204,400	78,620	<0.70>	ND	ND	ND					
Well: OM650 (at 891-B Fraser)			03/14/06 c	04/26/06	300,780	96,380	Eff. Only								
			10/24/09		503,030	202,250									
				2/19/10			<0.55>	ND	ND	ND					Vol.
			12/19/12		652,890	149,860									
			4/11/14		908,450	255,560									
			3/7/2017		820,910	?									
			1/15/18		867,480	46,570									
			5/23/18		864,770	(2,710)									
		1	8/8/19		917,470	52,700									
	Every 2 yrs	1	10/8/20	12/14/20	951,660	34,190	ND	ND	ND	ND	ND	ND	ND	ND	
890 Fraser Lane				12/20/01			ND	ND	ND	ND					
Vini & Glenda Manchanda	JL-100		4/9/02	4/18/02	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		03/12/04	09/27/04	152,310	152,310	Eff. Only								
[redacted]	Dec./10		02/24/06 c	04/26/06	355,290	202,980	ND	ND	ND	ND					
Well: LE558			3/17/08		532,920	177,630									
			2/18/13		1,060,940	528,020									Meter
			2/16/15	2/16/15	1,464,110	403,170	ND	ND	ND	ND					
			1/15/18	3/30/18	1,748,340	284,230	Eff. Only								
LRT is no longer responsible for GACS		1	1/21/21	3/3/21	2,012,980	264,640	ND	ND	ND	ND	ND	ND			
891-A Fraser Lane				2/9/01			<1.3>	ND	ND	ND					
ATTN: Dick Stout	JL-100		03/06/01	3/7/01	0	0	<1.0>	ND	ND	ND					
	Every 1 yr		02/12/03	02/17/03	101,060	101,060	Eff. Only								
				04/06/04			<0.70>	ND	ND	ND					
Sweetgrass Properties LLC	Dec./07		02/10/06	--	222,970	121,910	--								
Well: OM650 (at 891-B)				2/19/10			<0.55>	ND	ND	ND					
			12/16/11		523,320	300,350									
			5/6/13		630,730	107,410									
		2	8/15/19	11/25/19	872,170	241,440	0.69	ND	ND	ND	ND	ND	ND	ND	
			-	*	-	-	*See results for 889-B Fraser Lane								
		1	1/25/21		808,600	?									
		1	8/25/22		917,950	109,350									

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule*	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
891-B Fraser Lane				2/9/01			<1.3>	ND	ND	ND					
Brenda Larson-renter (320-815-7789)	JL-100		03/09/01	3/7/01	0	0	<1.0>	ND	ND	ND					
	Every 2 yrs		02/13/03	02/17/03	103,240	103,240	ND	ND	ND	ND					
	Dec./09		2/28/04	11/12/04	189,700	86,460	<0.70>	ND	ND	ND					
Sweetgrass Properties LLC			03/06/07	--	252,590	62,890	--								
Well: OM650			3/13/08	2/19/10	271,100	18,510	<0.55>	ND	ND	ND					
Inf. and Eff.			2/28/11		361,060	89,960									
			12/26/13		494,600	133,540									
			1/30/17	*	693,850	199,250	*See results for 889-B Fraser Lane								
		1	1/25/21		897,130	203,280									
		1	5/31/22	7/8/22	855,410	41,720	0.63	ND	ND	ND	ND	ND	ND	ND	
		1	6/26/23		890,250	34,840									
894 Fraser Lane				1/22/02			ND	ND	ND	ND					
Robert & Dawn Evans	JL-100		3/29/02	4/4/02	0	0	ND	ND	ND	ND					
[redacted]	Every 1 yr		02/06/04	03/25/04	214,355	214,355	ND	ND	ND	ND					
	Dec./10		3/14/08	9/24/08	562,160	347,805	ND	ND	ND	ND					
			12/30/11		872,960	310,800									
Well: QQ170			1/6/14		1,349,210	476,250									
			4/4/16	7/22/16	1,567,300	218,090	<0.49>	ND	ND	ND					
			5/23/18		1,844,040	276,740									
		2	12/23/19		2,064,100	220,060									
		1	2/25/21	8/3/21	2,188,410	124,310	ND	ND	ND	ND	ND	ND			
		1	5/31/22	6/27/22	2,312,880	124,470	ND	ND	ND	ND	ND	ND	ND	ND	
895-A Fraser Lane				2/9/01			<1.3>	ND	ND	ND					
	JL-100		08/13/01	08/30/01	0	0	<1.0>	ND	ND	ND					
	Every 2 yrs		02/26/03	02/17/03	92,140	92,140	Eff. Only								
Sweetgrass Properties LLC	Dec./09		03/04/04	04/07/04	169,200	77,060	<0.70>	ND	ND	ND					Vol.
Well: OM650 (at 891-B Fraser)			09/30/05	11/03/05	328,420	159,220	Eff. Only								Vol.
			10/12/07	--	483,660	155,240	--								
				2/19/10			<0.55>	ND	ND	ND					
		2	8/20/19	*	992,930	509,270	*See results for 889-B Fraser Lane								
895-B Fraser Lane				2/9/01			<1.3>	ND	ND	ND					
	JL-100		08/13/01	08/30/01	0	0	<1.0>	ND	ND	ND					
	Every 2 yrs		02/26/03	02/17/03	84,230	84,230	Eff. Only								
Sweetgrass Properties LLC	Dec./12		03/04/04	04/07/04	143,880	59,650	<0.70>	ND	ND	ND					Vol.
Well: OM650 (at 891-B Fraser)			03/06/06 c	04/26/06	377,030	233,150	Eff. Only								Vol.
			12/9/10	2/19/10	918,580	541,550	<0.55>	ND	ND	ND					
			12/9/10		0	0	New meter								
			1/9/13		88,240	88,240									
		2	8/20/19	*	560,840	472,600	*See results for 889-B Fraser Lane								
898 Fraser Lane				06/04/02			ND	ND	ND	ND					
Jill & Michael Dougherty	JL-100		10/09/02	10/31/02	0	0	<0.44>	ND	ND	ND					
[redacted]	Every 2 yr		03/02/04	03/26/04	150,520	150,520	Eff. Only								Vol.
	Dec./11		03/08/06 c	04/19/06	453,460	302,940	0.52	ND	ND	ND					
			3/17/08	--	784,640	331,180	--								
Well: QU341			7/24/09		931,850	147,210									Vol.
			7/10/12	4/2/13	1,204,290	272,440	<0.46>	ND	ND	ND					
old lab to send			4/21/14		1,357,610	153,320									
			6/21/16	8/11/17	1,515,980	158,370	ND	ND	ND	ND					
		2	8/31/20	10./21/20	1,846,880	330,900	0.71	ND	ND	ND	ND	ND	-	-	
		1	9/2/22		1,979,530	132,650									
899-A Fraser Lane				8/2/01			1.7	ND	ND	ND					
	JL-100		09/10/01	10/04/01	0	0	1.7	ND	ND	ND					
	Every 2 yr		03/28/03	02/17/03	76,780	76,780	Eff. Only								
	Dec./09		05/14/04	06/09/04	188,710	111,930	Eff. Only								
Sweetgrass Properties LLC				4/19/06			see 903 Fraser								
Well: OR585 (at 903 Fraser)			3/12/08	9/24/08	394,100	205,390	1.4	ND	ND	ND					
			1/8/16	2/5/16	752,430	358,330	1	ND	ND	ND					
			1/29/19	*	960,460	208,030	*See results for 903-B Fraser Lane								
			1/20/21												

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule*	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
899-B Fraser Lane				8/2/01			1.7	ND	ND	ND					
	JL-100		09/10/01	10/04/01	0	0	1.7	ND	ND	ND					
	Every 2 yrs		02/18/03	02/17/03	107,850	107,850	Eff. Only								
Sweetgrass Properties LLC	Dec./10		05/07/04	06/16/04	197,520	89,670	Eff. Only								
Well: OR585 (at 903 Fraser)			03/22/05	04/01/05	244,520	47,000	Eff. Only								Vol.
			03/30/06	4/19/06	385,550	141,030	see 903 Fraser								
			4/28/08		423,740	38,190									
			2/5/14		639,770	216,030									
			1/15/18	2/1/18	647,860	8,090	Eff. Only								
				*			*See results for 903-B Fraser Lane								
			1/20/21												
903-A Fraser Lane				8/2/01			1.7	ND	ND	ND					
	JL-100		09/28/01	10/04/01	0	0	1.7	ND	ND	ND					
	Every 2 yrs		02/28/04	04/06/04	81,090	81,090	Eff. Only								
Sweetgrass Properties LLC	Dec./08		03/10/06	04/19/06	151,270	70,180	1.4	ND	ND	ND					
Well: OR585		2	8/20/19	*	611,810	460,540	*See results for 903-B Fraser Lane								
903-B Fraser Lane				8/2/01			1.7	ND	ND	ND					
	JL-100		09/28/01	10/04/01	0	0	1.7	ND	ND	ND					
	Every 2 yr		02/17/03	02/17/03	80,670	80,670	Eff. Only								Vol.
Sweetgrass Properties LLC	Dec./10		12/06/04	03/31/05	211,280	130,610	Eff. Only								
Well: OR585				4/19/06			1.4	ND	ND	ND					Vol.
			4/21/09		471,640	260,360									Vol.
			1/15/13	3/6/13	695,010	223,370	1.2	ND	ND	ND					
			2/3/14	5/8/14	769,990	74,980	Eff. Only								
			2/5/15	2/16/15	837,520	67,530	Eff. Only								
			1/9/17	4/7/17	927,550	90,030	1.1	ND	ND	ND					
			1/16/19	3/14/19	1,002,700	75,150	1.1	ND	ND	ND	ND		-	-	
		1	1/14/20	2/25/20	1,041,070	38,370	ND	ND	ND	ND	ND	ND			
		1	4/5/21	5/21/21	1,116,180	75,110	See Results from 3/26/21						ND	ND	
				10/13/22			0.84	ND	ND	ND	ND	ND			
909-A Fraser Lane				8/2/01			1.7	ND	ND	ND					
	JL-100		10/18/01	11/27/01	0	0	1.7	ND	ND	ND					Vol.
	Every 1 yr		12/13/04	03/31/04	187,760	187,760	Eff. Only								Vol.
	Dec./10		05/16/06	4/19/06	340,200	152,440	see 903 Fraser								
Sweetgrass Properties LLC			02/28/07	--	394,530	54,330	--								
Well: OR585 (at 903 Fraser)			3/6/08		453,970	59,440									Vol.
			1/15/13	3/20/13	834,510	380,540	1.1	ND	ND	ND					
			1/8/15		926,814	92,304									
			1/8/16		976,580	49,766									
		1	8/15/19	*	1,123,770	147,190	*See results for 903-B Fraser Lane								
909-B Fraser Lane				8/2/01			1.7	ND	ND	ND					
Jami Morrow	JL-100		10/18/01	11/27/01	0	0	1.7	ND	ND	ND					
[redacted]	Every 2 yr		06/08/04	07/13/04	106,930	106,930	Eff. Only								
	Dec./10		07/13/06	4/19/06	219,360	112,430	see 903 Fraser								
			7/18/08		327,310	107,950									Vol.
Sweetgrass Properties LLC			6/15/12	3/20/13	564,930	237,620	1.0	ND	ND	ND					
Well: OR585 (at 903 Fraser)			12/17/14		903,690	338,760									
			6/16/17	*	1,200,130	296,440	*See results for 903-B Fraser Lane								
			1/20/21	3/26/21			0.91	ND	ND	ND	ND	ND	ND	ND	
		1	7/2/21	5/11/22	1,333,060	132,930	ND	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule*	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
911-A Fraser Lane				8/2/01			1.7	ND	ND	ND					
	JL-100		11/08/01	11/27/01	0	0	1.7	ND	ND	ND					
	Every 1 yr		03/28/03	02/17/03	102,580	102,580	Eff. Only								
	Dec./10		02/28/04	04/06/04	161,530	58,950	Eff. Only								
Sweetgrass Properties LLC			02/13/07	4/19/06	316,310	154,780	see 903 Fraser								
Well: OR585 (at 903 Fraser)			3/21/08	--	442,930	126,620	--								
			4/16/09		520,500	77,570									
			3/6/13	7/26/13	586,190	65,690	Eff. Only								
			3/31/16	8/17/16	87,320	87,320	1.1	ND	ND	ND					
			7/14/17	11/27/17 *	126,930	39,610	0.91	ND	ND	ND					
							*See results for 903-B Fraser Lane								
			8/15/22		461,040										
911-B Fraser Lane				8/2/01			1.7	ND	ND	ND					
Maddie Offner (renter)	JL-100		11/08/01	11/27/01	0	0	1.7	ND	ND	ND					
[redacted]	Every 2 yrs		11/05/04	11/12/04	115,240	115,240	Eff. Only								
[redacted]	Dec./06		8/30/13		136,540	21,300									
			1/22/16		672,110	535,570									
Sweetgrass Properties LLC		2	8/20/19		867,800	195,690	*See results for 903-B Fraser Lane								
Well: OR585 (at 903 Fraser)		1	5/17/22	5/20/22	1,016,380	148,580	ND	ND	ND	ND	ND	ND	ND	ND	
914 Fraser Lane				07/18/02			ND	ND	ND	ND					
James Anderson	JL-100		10/16/02	11/14/02	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		03/11/05	03/31/05	243,570	243,570	Eff. Only								
	Dec./11		02/16/07	9/24/08	469,160	225,590	ND	ND	ND	ND					
Well: QZ708			4/24/09		689,040	219,880									Vol.
			1/28/14	2/11/14	1,134,040	445,000	Eff. Only								
			3/20/17	5/8/17	1,374,720	240,680	Eff. Only								
LRT is no longer responsible for GACS			3/6/20	6/2/20	1,595,000	220,280	ND	ND	ND	ND	ND	ND			
919 Fraser Lane				2/21/02			ND	ND	ND	ND					
Chad & Becca Oberle	JL-100		4/16/02	5/14/02	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		02/26/04	03/25/04	135,270	135,270	ND	ND	ND	ND					
[redacted]	Dec./11		03/08/06 c	04/26/06	102,830	0	ND	ND	ND	ND					
Well: QM721			9/30/09		413,710	310,880									Vol.
			1/16/12	4/18/13	594,100	180,390	ND	ND	ND	ND					
			12/31/14	9/29/15	979,900	385,800	Eff. Only								
			2/8/17	3/28/17	1,164,620	184,720	Eff. Only								
LRT is no longer responsible for GACS			5/3/19	6/26/19	1,380,810	216,190	ND	ND	ND	ND	ND	0.46 J	-	-	
920 Fraser Lane				05/30/03			ND	ND	ND	ND					
Amanda & Shane Piringer	JL-100		08/28/03	09/25/03	0	0	1.2	ND	ND	ND					
[redacted]	Every 2 yrs		03/17/05	03/31/05	139,500	139,500	Eff. Only								
[redacted]	Dec./11		04/13/06	--	222,520	83,020	--								
			3/17/08	9/24/08	382,170	159,650	ND	ND	ND	ND					
Well: RM554			4/23/09		432,720	50,550									
			12/22/11		544,230	111,510									
			2/14/14		648,080	103,850									
			1/24/19	9/3/20	830,160	182,080	0.55	ND	ND	ND	ND	ND	-	-	
		1	4/16/21		888,200	58,040									
		1	4/10/23		974,310	86,110									
926 Fraser Lane				02/17/03			<0.43>	ND	ND	ND					
Matthew & Rachel Peulen	JL-100		06/12/03	07/18/03	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		04/19/05	05/13/05	57,880	57,880	Eff. Only								
	Dec./11		4/3/09	2/1/10	178,090	120,210	<0.82>	ND	ND	ND					
old lab to send			12/30/11		304,380	126,290									
Well: RF581			2/12/14	6/25/14	371,820	67,440	Eff. Only							ND	
			2/23/17	12/3/19	505,120	133,300	ND	ND	ND	ND	ND	ND	ND		
		1	1/14/20		848,740	343,620									
		1	6/6/22		1,005,080	156,340									

TABLE 12
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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
927 Fraser Lane				2/21/02			ND	ND	ND	ND					
Ed and Susan Hastreiter	JL-100		6/14/02	6/17/02	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		03/11/04	04/06/04	83,040	83,040	Eff. Only								
	Dec./10		03/03/06 c	04/19/06	194,940	111,900	ND	ND	ND	ND					
			3/14/08		385,580	190,640									
Well: QQ125			3/22/11		553,570	167,990									
			12/30/13		687,540	133,970									
			1/12/17		803,980	116,440									
			5/8/19	8/28/20	878,660	74,680	0.57	ND	ND	ND	ND	ND	-	-	
		1	4/19/21	6/15/21	991,580	112,920	0.62	ND	ND	ND	ND	ND	ND	ND	
		1	4/5/23	5/16/23	1,067,600	76,020	0.36 J	ND	ND	ND	ND	ND	-	-	
930 Fraser Lane				08/31/05			3	ND	ND	ND					
Matthew Carlson & Melissa Clymer	JL-100		10/26/06		0	0									Vol.
[redacted]	Every 2 yr		6/13/12	3/19/13	235,060	235,060	2.2	ND	ND	ND					
	Dec./08		1/16/14	2/11/14	366,770	131,710	Eff. Only								
Well: SK626				12/2/16	492,690	125,920	2.1	ND	ND	ND					
			12/7/16	12/28/16	493,230	126,460	Eff. Only						ND		
			1/24/19	2/22/19	565,100	72,410	1.3	ND	ND	ND	ND		-	ND	
		1	4/16/21	5/21/21	806,960	313,730	1.4	ND	ND	ND	ND	ND	ND		
		1	4/21/23		936,030	129,070									
934 Fraser Lane				12/20/01			4.8	ND	ND	ND					
Thomas & Alice Jinks	JL-100		4/9/02	4/18/02	0	0	4.5	ND	ND	ND					
[redacted]	Every 1 yr		03/15/04	04/06/04	70,380	70,380	Eff. Only								
	Dec./10		03/06/06 c	04/19/06	158,190	87,810	3.5	ND	ND	ND					Vol.
Well: QQ131			6/10/08	--	373,890	215,700	--								Vol.
			9/8/09		514,140	140,250									Vol.
			1/13/12	3/8/13	801,000	286,860	2.7	ND	ND	ND					
			2/7/14		891,280	90,280									
			1/29/15		978,820	87,540									
			12/3/15		1,046,460	67,640									
			2/16/17		1,170,450	123,990									
			3/15/18	3/20/19	1,193,070	22,620	1.1	ND	ND	ND	ND		-		
		1	11/6/19		1,206,810	13,740									
		1	3/24/21		1,290,720	83,910									
		1	9/13/22		1,463,030	172,310									
		1	8/31/23	9/25/23	1,552,100	89,070	ND	ND	ND	ND	ND	ND	ND	ND	
935 Fraser Lane				6/4/02			4.3	ND	ND	ND					
Jeff and Marlene Meyer	JL-100		08/20/02	10/31/02	0	0	3.6	ND	ND	ND					
[redacted]	Every 2 yrs		06/18/04	07/13/04	91,880	91,880	Eff. 1.7								
[redacted]	Dec./10		07/15/05	08/18/05	156,830	64,950	Eff. 4.1								
Well: OK338			03/27/06	04/17/06	202,950	46,120	ND	ND	ND	ND					
[redacted]			05/22/07	--	288,890	85,940	--								
Unfiltered outside faucet-Yet?			4/17/08		336,170	47,280									Vol.
			1/17/13		594,800	258,630									
			5/4/16	3/7/17	873,850	279,050	ND	ND	ND	ND					
			5/14/18		1,004,070	130,220									
		1	1/19/21	2/26/21	1,176,170	172,100	1.2	ND	ND	ND	ND	ND			
				11/3/22			1.1	ND	ND	ND	ND	ND	ND	ND	4.6 J
		1	8/29/23		1,336,740										
Sprinkler system unfiltered															

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
938 Fraser Lane				12/6/01			4.6	ND	ND	ND					
Sara Tumm	JL-100		02/19/02	02/21/02	0	0	4.2	ND	ND	ND					Vol.
[redacted]	Tri-ann.		02/12/03	01/31/03	131,090	131,090	Eff. Only								Vol.
Well: OV479	May./Aug.		02/27/04	04/06/04	459,290	328,200	Eff. Only								Vol.
	Dec.		08/11/04	09/27/04	646,250	186,960	Eff. Only	Hole in pool							
			02/11/05	02/27/05	769,590	123,340	Eff. Only								Vol.
			08/24/05	08/31/05	913,230	143,640	Eff. Only								
			3/8/06	04/26/06	969,700	56,470	3.0	ND	ND	ND					Vol.
			08/22/06	--	1,220,290	250,590	--								
			02/23/07	--	1,275,950	55,660	--								Vol.
			08/3/07	--	1,585,290	309,340	--								
			3/5/08	--	1,701,310	116,020	--								
			8/4/08	--	1,815,910	114,600	--								Vol.
			4/16/09	--	2,037,630	221,720	--								Vol.
			11/6/09		2,172,760	135,130									
			9/5/12		2,256,320	83,560									
			11/8/13	3/5/14	2,357,890	101,570	Eff. Only								
			9/22/14		2,414,370	56,480									
			12/16/14	3/26/15	2,425,210	10,840	2.3	ND	ND	ND					
			4/27/16		2,496,580	71,370									
			11/30/16		2,527,840	31,260									
			10/4/17		2,584,440	56,600									
			5/7/18	7/23/18	2,616,280	31,840	1.5	ND	ND	ND					
			12/5/18		2,649,740	33,460									
	Every 1 yr	1	1/3/20	2/11/20	2,691,740	42,000	0.6	ND	ND	ND	ND	ND			
	Jan.	1	6/2/21		2,738,200	46,460									
		1	6/28/22		2,778,370	40,170									
		1	9/15/23		282,790										
939 Fraser Lane				11/14/02			4.3	ND	ND	ND					
Neil Bauer	JL-100		04/07/03	05/30/03	0	0	3.8	ND	ND	ND					
[redacted]	Every 2 yrs		04/21/05	05/13/05	81,720	81,720	Eff. Only								Vol.
	Dec./11		5/4/09		324,050	242,330									Vol.
			7/10/12	7/30/12	453,130	129,080	2.8	ND	ND	ND					
Well: RD863			12/24/14	4/16/15	958,610	505,480	Eff. Only							ND	
			4/28/17	12/3/19	1,296,410	337,800	1.3	ND	ND	ND	ND	ND	ND		
			3/13/20	6/9/20	942,160	354,250	1.4	ND	ND	ND	ND	ND			
		1	4/11/22	6/10/22	1,043,900	101,740	2.1	ND	ND	ND	ND	0.53 J			
		1	9/26/23												
942 Fraser Lane				11/14/02			3.3	ND	ND	ND					
Heather Lande	JL-100		01/13/03	01/21/03	0	0	3	ND	ND	ND					
Charles Josephson	Every 2 yrs		03/08/04	03/29/04	55,930	55,930	Eff. Only								
[redacted]	Dec./12		02/28/06	04/17/06	168,140	112,210	Eff. Only								
[redacted]			12/11/07	--	271,790	103,650	--								
Well: RD862			2/19/10	4/7/10	409,140	137,350	2.9	ND	ND	ND					
			6/4/12	3/8/12	530,920	121,780	1.9	ND	ND	ND					
			12/23/14	3/13/15	653,900	122,980	Eff. Only								
			1/11/17	3/7/17	759,100	105,200	1.7	ND	ND	ND	ND	ND			
		1	1/9/20	2/4/20	926,790	167,690	1.1	ND	ND	ND	ND	ND		ND	
		1	5/25/22	6/27/22	1,072,270	145,480	1.5	ND	ND	ND	ND	ND	ND		
946 Fraser Lane				07/18/02			5.7	ND	ND	ND					
Fred and Karen Watson	JL-100		10/16/02	10/31/02	0	0	4.0	ND	ND	ND					
[redacted]	Every 2 yrs		02/26/04	04/06/04	52,040	52,040	Eff. Only								
	Dec./10		02/24/06 c	04/19/06	132,780	80,740	4.6	ND	ND	ND					
Sprinkler system unfiltered			2/26/08		220,530	87,750									Vol.
Well: QR837			1/7/13	3/6/13	423,190	202,660	1.8	ND	ND	ND					
			1/24/14	3/5/14	470,770	47,580	Eff. Only								
			1/19/17	3/3/17	595,130	124,360	2	ND	ND	ND					
		1	1/15/20	2/25/20			1.0	ND	ND	ND	ND	ND	ND	ND	
		1	5/24/22	6/27/22	803,790		1.8	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
950 Fraser Lane				6/4/02			3.2	ND	ND	ND					
Brandy Hafner	JL-100		10/02/02	10/31/02	0	0	3.3	ND	ND	ND					
[redacted]	Every 2 yrs		03/02/04	04/06/04	65,780	65,780	Eff. Only								
	Dec./10		09/22/05	11/03/05	184,190	118,410	Eff. Only								
Well: QU347			3/25/08	9/24/08	312,310	128,120	2.8	ND	ND	ND					Vol.
			12/19/12		450,500	138,190									
			1/22/14		478,660	28,160									
			2/20/17	12/10/19	760,580	281,920	1.5	ND	ND	ND	ND	ND	ND	ND	
		1	1/7/20		630140?										
		1	6/16/22		676,310	676,310									
954 Fraser Lane				11/14/02			5.8	ND	ND	ND					
Carroll Sengbusch	JL-100		01/22/03	02/17/03	0	0	6	ND	ND	ND					
[redacted]	Every 2 yrs		03/02/04	03/26/04	22,630	22,630	Effluent 4.9								
	Dec./10		03/14/06	04/17/06	127,530	104,900	Eff. 2.8								
Well: QR894			3/11/08		151,510	23,980									
Unfiltered outside faucet			1/13/11	7/30/12	175,950	24,440	1.3	ND	ND	ND					
			1/11/13	2/27/13	219,000	43,050	1.0	ND	ND	ND					
			1/6/14	2/11/14	234,016	15,016	Eff. Only								
			1/9/17	3/7/17	277,830	43,814	Eff. Only								
		2	6/8/18	-	297,860	20,030									
			-	11/20/19	-	-	1.9	ND	ND	ND	ND	ND	-	-	
Tennant: Elaine Augustine		1	6/17/21	7/15/21	337,060	337,060	1.7	ND	ND	ND	ND	ND	ND	ND	
715-377-9925		1	7/21/23	9/5/23	394,000	56,940	1.2	ND	ND	ND	ND	ND	-	-	
959 Fraser Lane				09/26/02			3.1	ND	ND	ND					
Alicia Torgerson	JL-100		01/03/03	01/21/03	0	0	2.4	ND	ND	ND					
[redacted]	Every 1 yr		03/22/04	03/31/04	130,900	130,900	Eff. Only								
	Dec./09		03/17/05	03/31/05	161,320	30,420	Eff. Only								
Well: OK391			06/02/06	--	211,810	50,490	--								
			5/6/08		453,710	241,900									Vol.
			1/17/13		723,520	269,810									
			2/19/14	8/13/14	765,360	41,840	Eff. Only								
			12/23/15	2/10/16	814,810	49,450	1.3	ND	ND	ND					
			3/19/18	8/14/18	928,400	113,590	1.3	ND	ND	ND					
			6/18/20	8/4/20	1,029,590	101,190	1.5	ND	ND	ND	ND	ND	ND	ND	
		1	7/20/21	1/21/22	1,588,200	558,610	1.4	ND	ND	ND	ND	ND			
		1	7/21/22		1,125,950	-									
		1	1/6/23	2/10/23	1,145,110	19,160	1.2	ND	ND	ND	ND	ND	ND	ND	

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
960 Fraser Lane				09/25/03			3.2	ND	ND	ND					
Julie Johnson	JL-100		11/28/03	12/03/03	0	0	2.9	ND	ND	ND					Vol.
[redacted]	Every 1 yr		03/15/05	03/31/05	142,040	142,040	Eff. Only								Vol.
[redacted]	July/Oct.		02/21/06	04/17/06	277,670	135,630	Eff. Only								
			08/25/06	--	382,610	104,940	--								Vol.
Well: RQ039			02/28/07	7/23/07	584,900	202,290	3.4	ND	ND	ND					Vol.
			08/7/07	--	744,244	159,344	--								
			3/12/08	--	868,550	124,306	--								
			6/18/08	--	905,720	37,170	--								Vol.
			10/21/08	--	1,112,290	206,570	--								
			4/17/09		1,157,080	44,790									Vol.
			7/8/10	9/28/10	1,399,110	242,030	Eff. only								
			11/3/10		1,446,970	47,860									
			7/25/12		1,711,020	264,050									
			10/24/12	3/13/13	1,792,680	81,660	1.5	ND	ND	ND					
			7/15/14		2,087,910	295,230									
			10/16/14	12/12/14	2,187,830	99,920	Eff. Only								
			7/20/15	8/12/15	2,272,170	84,340	2.2	ND	ND	ND					
			10/8/15	3/1/16	2,335,980	63,810	Eff. Only								
			7/13/16		2,442,980	107,000									
			10/21/16	11/10/16	2,511,570	68,590	2.3	ND	ND	ND					
			7/26/17	8/11/17	2,611,460	99,890	2.4	ND	ND	ND					
			10/16/17		2,644,670	33,210									
			8/28/18	10/15/18	2,779,560	134,890	Eff. Only								
			4/1/19	6/12/19	2,830,540	50,980	2	ND	ND	ND	ND		ND		
		1	8/5/19	--	2,869,260	38,720									
			3/22/21	5/20/21	3,085,980	216,720	1.8	ND	ND	ND	ND	ND	ND	ND	
		1	5/9/22	5/11/22	3,191,580	105,600	1.6	ND	ND	ND	ND	ND			
		1	6/19/23	8/28/23	383,390	383,390	1.5	ND	ND	ND	ND	ND	-	-	
964 Fraser Lane				5/14/02			3.5	<0.58>	ND	ND					
Steve and Krisa Drost	JL-300		08/26/02	08/27/02	0	0	3.2	ND	ND	ND					
[redacted]	Every 1 yr		02/12/03	02/17/03	54,910	54,910	4.2	ND	ND	ND					Vol.
[redacted]			05/13/04	07/15/04	323,930	269,020	3.4	ND	ND	ND					
[redacted]			08/18/04	09/27/04	443,230	119,300	Eff. Only								
	JL-100		03/21/05	05/13/05	525,270	82,040	3	ND	ND	ND					
			09/30/05	11/03/05	638,610	113,340	Eff. Only								
Well: OV585			03/17/06	04/17/06	668,220	29,610	Eff. Only								Vol.
Inf. and Eff.			09/22/06	--	929,130	260,910	--								Vol.
			07/19/07	--	1,131,970	202,840	--								Vol.
			4/29/09		1,558,580	426,610									Vol.
			7/23/10		1,909,310	350,730									
			6/1/11		2,215,920	306,610									
			1/9/15		2,533,300	317,380									
			12/30/15		2,613,660	80,360									
		1	1/7/20	1/7/20	2,964,850	351,190	1.9	ND	ND	ND	ND	ND	ND	ND	
		1	5/14/21		3,081,640	116,790									

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
965 Fraser Lane				6/4/02			4.0	ND	ND	ND					
Anthony & Ashly Tallarico	JL-100		12/04/02	12/23/02	0	0	3.4	ND	ND	ND					Vol.
[redacted]	Every 1 yr		02/19/04	03/29/04]	212,340	212,340	Eff. Only								Vol.
			06/28/05	07/12/05]	418,580	206,240	Eff. Only								Vol.
Well: OV588			06/09/06	--	550,641	132,061	--								Vol.
			2/25/08	9/24/08	1,048,840	498,199	2.7	ND	ND	ND					Vol.
			1/26/10		1,455,810	406,970									
			8/9/10		1,639,440	183,630									
			6/15/12		1,743,090	103,650									
			8/22/13	3/18/14	1,888,820	145,730	Eff. Only		Nitrate and Bac-T also						
			6/16/14		1,971,310	82,490									
			12/17/14		2,032,360	61,050									
			3/10/17		2,411,270	378,910									
			5/4/18		2,252,560	-									
			4/4/19		2,322,690	70,130									
		1	11/20/19	12/4/19	2,385,230	62,540	1.5	ND	ND	ND	ND	ND	ND	ND	
		1	6/24/21		2,520,680	135,450									
			4/22/22	5/20/22	2,585,830	65,150	4.9	ND	ND	ND	ND	ND	ND	1.4	2.4J Acetone
			3/8/23	5/16/23	2,676,690	90,860	1.6	ND	ND	ND	ND	ND	-	-	
968 Fraser Lane				08/27/02			2.6	ND	ND	ND					
Mathew & Jennifer Rasmussen	JL-100		01/06/03	01/21/03	0	0	4.8	ND	ND	ND					
[redacted]	Every 1 yr		03/04/04	03/29/04	43,920	43,920	Eff. Only								Vol.
	Dec./11		02/21/06	04/17/06	218,580	174,660	Eff. Only								Vol.
			04/06/07	07/20/07	372,730	154,150	2.4	ND	ND	ND					Vol.
Well: OV599			4/24/09	--	533,600	160,870	--								
			10/13/09		581,320	47,720									
			5/4/10		605,190	23,870	Clogged tanks								
					0	0	New meter								
			2/1/13		171,220	171,220									
			1/20/14		247,810	76,590									
			2/22/17	5/17/17	412,840	165,030	1.9	ND	ND	ND					
			1/4/18	2/21/18	450,820	37,980	Eff. Only						ND	ND	
			1/30/19	5/7/19	514,960	64,140	1.5	ND	ND	ND	ND		-	-	
		1	7/30/20		600,650	85,690									
		1	7/22/21	4/29/22	678,000	77,350	1.4	ND	ND	ND	ND	ND	ND	ND	
			8/3/22	1/27/23	753,830	75,830	1.2	ND	ND	ND	ND	ND	-	-	
969 Fraser Lane				07/18/02			4.2	ND	ND	ND					
Brian & Amy Miller	JL-100		10/07/02	10/31/02	0	0	3.8	ND	ND	ND					
[redacted]	Every 1 yr		03/11/05	03/31/05	114,500	114,500	Eff. Only								Vol.
	Dec./10		03/02/07	9/24/08	249,020	134,520	3.1	ND	ND	ND					Vol.
Well: OV598			12/10/08	--	443,710	194,690	--								Vol.
			3/17/10		572,020	128,310									
New owner: Sam Webber (2022)			2/1/13	3/28/13	812,750	240,730	1.5	ND	ND	ND					
Stephenie Webber			2/28/14		898,250	85,500									ND
[redacted]			3/4/16	12/28/16	1,027,610	129,360	2.4	ND	ND	ND					
			2/16/17	4/7/17	1,127,410	99,800	Eff. Only								
			3/5/18	6/29/18	1,142,120	14,710	Eff. Only								
			3/27/19	6/12/19	1,214,580	72,460	2.6	ND	ND	ND	ND		ND		
		1	7/15/20		1,279,600	65,020									
		1	7/20/21		1136400?										
		1	7/21/22	11/22/22	1,409,110		1.3	ND	ND	ND	ND	ND	ND	ND	
							FILTERS REMOVED 8/10/2023								

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
972 Fraser Lane				4/4/02			2.8	ND	ND	ND					
Rod Kromrey	JL-100		6/4/02	6/17/02	0	0	2.7	ND	ND	ND					Vol.
[redacted]	Every 1 yr		11/10/03	12/03/03	150,550	150,550	Eff. Only								
[redacted]	Dec./10		03/14/05	03/31/05	243,290	92,740	Eff. Only								
Well: OV523			04/24/06	--	322,570	79,280	--								
			03/20/07	7/23/07	451,600	129,030	2.6	ND	ND	ND					
			4/21/08	--	568,480	116,880	--								
			5/12/09		680,560	112,080									
			1/23/13	3/7/13	942,020	261,460	1.6	ND	ND	ND					
			10/10/14		1,081,130	139,110									
			5/4/18		1,271,660	190,530									
		1	12/23/19		1,374,860	103,200									
		1	12/3/20		1,438,580	63,720									
		1	4/22/22		1,538,200	99,620									
		1	4/12/23	6/12/23	1,604,500	66,300	1.6	ND	ND	ND	ND	ND	ND	ND	
973 Fraser Lane				12/23/02			2.4	ND	ND	ND					
John Patrick Seibel	JL-100		02/11/03	02/17/03	0	0	3.0	ND	ND	ND					Vol.
	Every 1 yr		09/22/03	09/25/03	172,510	172,510	Eff. Only								
	Dec./10		08/11/04	09/27/04	299,170	126,660	Eff. Only								Vol.
Well: RD891			08/30/05	09/27/05	450,080	150,910	Eff. Only								Vol.
			08/16/06	--	588,342	138,262	--								Vol.
			08/31/07	--	768,130	179,788	--								
			7/9/08		846,620	78,490									
			5/8/12	8/6/12	1,069,540	222,920	1.9	ND	ND	ND					
			1/30/13	3/8/13	1,114,020	44,480	1.7	ND	ND	ND					
			1/22/14	2/11/14	1,146,800	32,780	Eff. Only								
			4/17/15	5/26/15	1,228,990	82,190	Eff. Only								
			1/21/21												
Sprinkler System															
977 Fraser Lane				01/21/03			ND	ND	ND	ND					
Walter & Lezlee Lawrence	JL-100		04/01/03	4/30/03	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		05/11/04	06/15/04	66,200	66,200	Eff. Only								
	Dec./10		06/29/04	--	84,100	17,900	Culligan error								
Well: OA682			04/21/06	--	310,690	226,590	--								
			3/14/08		578,620	267,930									
			12/27/12	5/8/13	991,070	412,450	Eff. Only								
			2/25/15		1,172,505	181,435									
				9/23/16	1,326,070	153,565	1.9	ND	ND	ND					
			12/29/17	11/25/19	1,420,980	94,910	1.5	ND	ND	ND	ND	ND	ND	ND	
			3/2/20	6/9/20	1,579,030	158,050	1.1	ND	ND	ND	ND	ND	-	-	
		1	5/5/22		172,950										

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule+	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
881 E Hwy 12				9/25/96			28	1.2	ND	ND					
Dan & Lisa Martineau	JL-300		8/12/97	9/3/97	0	0	29	ND	ND	ND					
[redacted]	Semi-ann.			10/08/97			31	0.58	ND	ND					
[redacted]				12/16/97	8,582	8,582	--								
				1/20/98	11,550	11,550	27	ND	ND	ND					
Well: BM123				4/20/98	16,360	16,360	25	ND	ND	ND					
Inf. and Eff.				7/17/98	30,822	30,822	25	ND	ND	ND					
			09/03/98	09/24/98	40,250	40,250	30	ND	ND	ND					
Inf. Every 1 yr				01/26/99	56,504	16,254	32	ND	ND	ND					
				04/22/99	63,140	22,890	28	ND	ND	ND					
				7/8/99	81,004	40,754	30	ND	ND	ND					
			08/20/99	10/18/99	85,980	45,730	30	ND	ND	ND					
				03/06/00	99,370	13,390	30	ND	ND	ND					
				05/03/00	103,017	17,037	28	ND	ND	ND					
				8/1/00	120,042	34,062	20	ND	ND	ND					
			11/17/00 Fe	12/06/00	142,180	56,200	29	ND	ND	ND					
				04/12/01	161,305	19,125	29	ND	ND	ND					Vol.
			12/18/01	12/20/01	240,190	98,010	27	ND	ND	ND					
			meter reading	06/10/02	291,120	50,930	--	--	--	--					Vol.
			08/20/02	08/27/02	328,110	87,920	26	ND	ND	ND					
			01/14/03	02/07/03	364,810	36,700	29	ND	ND	ND					
			08/05/03	08/22/03	396,260	31,450	21	ND	ND	ND					
			04/08/04	----	475,090	78,830									Vol.
			08/25/04	11/12/04	538,840	63,750	21	ND	ND	ND					
			02/22/05	04/19/05	575,760	36,920	21	ND	ND	ND					
			08/31/05	12/14/05	615,730	39,970	22	ND	ND	ND					
			02/14/06	--	638,190	22,460	--								Vol.
			07/25/06	--	705,910	67,720	--								
			02/02/07	5/2/07	746,120	40,210	ND	ND	ND	ND					Vol.
			8/4/08	--	963,550	217,430	--								Vol.
			2/15/10	4/7/10	1,134,640	171,090	16	ND	ND	ND					Vol.
			8/24/10		1,217,130	82,490									Vol.
			6/20/12	7/30/12	1,419,230	202,100	16	ND	ND	ND					
			3/21/14	7/28/14	1,604,040	184,810	14	ND	ND	ND					
			8/22/14		1,689,860	85,820									
			1/19/15	3/13/15	1,725,770	35,910	12	ND	ND	ND					
			10/23/15		1,821,690	95,920									
			6/27/16		1,890,770	69,080									
			9/8/17		2,049,210	158,440									
		1	8/27/19		2,304,120	254,910									
		1	9/1/22		2,911,890	607,770									

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
888 E Hwy 12				9/17/96			19	ND	ND	ND					
Joseph & Jane Loftus	JL-300		8/1/97	8/27/97	0	0	20	ND	ND	ND					
[redacted]	Annual			10/8/97			25	0.94	ND	ND					
				1/20/98	48,306	48,306	18	ND	ND	ND					Vol.
				4/20/98	72,449	72,449	17	ND	ND	ND					
Well: BM125				4/20/98		Half-way point	ND	ND	ND	ND					Vol.
				7/17/98	104,659	104,659	18	ND	ND	ND					
Methane Meter Equipped				7/17/98		Half-way point	ND	ND	ND	ND					Vol.
			09/04/98	09/24/98	124,510	124,510	19	ND	ND	ND					
new pipes/well? in May 2016?				01/26/99	165,647	41,137	21	ND	ND	ND					
				04/22/99	182,617	58,107	19	ND	ND	ND					Vol.
New Owners (2020):				07/29/99	212,552	88,042	17	ND	ND	ND					
Holly Murray			08/12/99	10/14/99	216,260	91,750	18	ND	ND	ND					
[redacted]			04/21/00	5/3/00	261,430	45,170	16	ND	ND	ND					
			11/10/00 Fe	11/13/00	307,000	45,570	16	ND	ND	ND					
			04/05/01	4/12/01	330,200	23,200	12	<0.51>	ND	ND					
			10/16/01	10/18/01	375,983	45,783	16	ND	ND	ND					
			06/11/02	07/18/02	431,363	55,380	18	ND	ND	ND					
			01/14/03	01/31/03	462,610	31,247	Eff. Only								
Owner took off "Don't Drink" tag			07/11/03	07/18/03	500,190	37,580		Outdoor Faucet	TCE = 1.6						
(7/9/04)				08/22/03			Eff. = ND	Outdoor Faucet	TCE = 1.3						
			02/12/04	--	540,400	40,210	--								
			07/16/04	09/29/04	570,570	30,170	13	ND	ND	ND					
Unfiltered outside faucet			03/07/05	04/01/05	606,710	36,140	Eff. Only								
			09/22/05	11/03/05	624,640	17,930	Eff. Only	Outside faucet on wall							
			08/03/06	--	662,860	38,220	--								
			01/23/07	--	690,230	27,370	--								
			07/17/07	--	748,960	58,730	--								
			1/21/08	6/9/08	789,630	40,670	8.4	ND	ND	ND					
			8/4/08	--	813,170	23,540	--								
			2/11/09	--	842,600	29,430	--								
			1/15/10		911,870	69,270									
			8/24/10		950,140	38,270									
			3/6/12		1,033,160	83,020									
			7/12/12	7/25/12	1,061,000	27,840	6.5	ND	ND	ND					
			2/4/13	3/13/13	1,088,630	27,630	5.4	ND	ND	ND					
			4/18/14	7/10/14	1,159,630	71,000	Eff. Only								
			4/16/15	5/26/15	1,198,610	38,980	5.9	ND	ND	ND					
			11/19/15	2/22/16	1,223,370	24,760	3.6	ND	ND	ND					
			4/20/16	6/30/16	1,241,770	18,400	Eff. Only								
			7/13/16												
			11/2/16	12/28/16	1,265,080		4.5	ND	ND	ND					
			5/17/17	6/23/17	1,289,680	24,600	4.7	ND	ND	ND					
			8/4/17	--	1,299,710	10,030	--								
	JL-100		5/8/18	12/17/19	1,326,390	26,680	3.9	ND	ND	ND	ND	ND	ND	ND	
	Every 1 yr	1	9/23/20	11/11/20	1,406,470	80,080	3.3	ND	ND	ND	ND	ND	ND	ND	
		1	6/6/22	1/18/23	1,467,470	61,000	3.1	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
890 E Hwy 12				9/16/96			21	ND	ND	ND					
	JL-300		7/3/97	7/16/97	0	0	20	ND	ND	ND					
	Annual			9/3/97			17	ND	ND	ND					
Owner:	July/11			1/26/98	56,904	56,904	17	ND	ND	ND					Vol.
Lyle Elenkiwich				4/20/98	67,231	67,231	16	ND	ND	ND					
287 Day Farm Rd.				4/20/98		Half-way point	ND	ND	ND	ND					Vol.
(use for mailing)			08/25/98	8/26/98	115,380	115,380	16	ND	ND	ND					
[redacted]				10/29/98	130,112	14,732	22	ND	ND	ND					
Methane Meter Equipped				2/10/99	142,983	27,603	18	ND	ND	ND					
				5/28/99	162,362	46,982	20	ND	ND	ND					Vol.
Vacant				7/29/99	179,414	64,034	18	ND	ND	ND					
Well: BM121			08/06/99	10/14/99	181,420	66,040	19	ND	ND	ND					
			05/04/00	05/31/00	232,970	51,550	16	ND	ND	ND					
			11/01/00 Fe	11/02/00	279,270	46,300	17	ND	ND	ND					
			04/05/01	4/12/01	293,910	14,640	16	ND	ND	ND					
			10/16/01	10/18/01	339,622	45,712	18	ND	ND	ND					
			06/21/02	7/22/02	374,835	35,213	21	ND	ND	ND					
			01/10/03	01/31/03	396,170	21,335	Eff. Only								
			07/15/03	07/18/03	422,210	26,040									
			02/28/04	04/08/04	470,500	48,290	Eff. Only								
			08/12/04	09/28/04	496,630	26,130	Eff. Only								
			03/10/05	04/01/05	527,850	31,220	Eff. Only								
			07/27/05	08/09/05	554,070	26,220	Eff. Only								
			02/02/06 c	02/20/06	573,240	19,170	11	ND	ND	ND					
			07/28/06	--	610,910	37,670	--								
			07/17/07	--	656,870	45,960	--								
			8/8/08	--	713,770	56,900	--								
			10/5/09		763,520	49,750									
			7/21/10	7/26/13	797,890	34,370	1.3	ND	ND	ND					
			8/6/13	12/13/13	884,260	86,370	Eff. Only								
			9/30/14	12/12/14	907,070	22,810	Eff. Only								
				2/22/16	907,550	-	4.1	ND	ND	ND					
		2	10/7/19		908,640	1,570									
				7/8/20	908,640	0	5.3	ND	ND	ND	ND	ND	-	-	
892 E Hwy 12	-		-	4/29/15	-	-	ND	ND	ND	ND					
Phil Foltz			-	3/1/16	-	-	ND	ND	ND	ND					
[redacted]			-	7/23/18	-	-	ND	ND	ND	ND					
(water is not filtered)			-	9/6/19	-	-	ND	ND	ND	ND	ND	0.50 J	-	-	
Well: XX001			-	8/21/20	-	-	ND	ND	ND	ND	ND	ND	-	-	
			-	6/22/21	-	-	ND	ND	ND	ND	ND	0.46 J	-	-	
			-	6/24/22	-	-	ND	ND	ND	ND	ND	ND	-	-	

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
898 E Hwy 12				9/16/96			27	ND	ND	ND					
Marie & Clyde Stockey	JL-300		3/13/97	3/22/97	0	0	25	ND	ND	ND					
[redacted]	Every 2 yrs			7/29/97			23	ND	ND	ND					
Well: BM126	July/11			10/08/97			30	ND	ND	ND					
				12/15/97	28,858	28,858	--								
[redacted]				1/20/98	31,686	31,686	23	ND	ND	ND					
			03/17/98	4/24/98	35,090	35,090	22	ND	ND	ND					
				7/17/98	50,918	15,828	23	ND	ND	ND					
Methane Meter Equipped				10/28/98	69,057	33,967	27	ND	ND	ND					
				01/26/99	75,350	40,260	28	ND	ND	ND					
			03/25/99	03/25/99	79,170	44,080	31	ND	ND	ND					
				07/29/99	97,457	18,287	23	ND	ND	ND					
				10/14/99	103,583	24,413	ND	ND	ND	ND					
			04/27/00	5/3/00	120,190	41,020	24	ND	ND	ND					
			04/13/01 Fe	5/3/01	153,890	33,700	21	ND	ND	ND					
			07/18/02	7/22/02	211,780	57,890	27	ND	ND	ND					
			07/10/03	07/18/03	240,570	28,790	Eff. Only								
			07/16/04	09/29/04	281,300	40,730	Eff. Only								
			08/10/05	08/18/05	309,770	28,470	Eff. Only								
			08/03/06	--	328,740	18,970	--								
			8/11/09	9/11/09	387,860	59,120	9.6	ND	ND	ND					
			7/21/11		483,980	96,120									
			7/12/12	7/30/12	509,740	25,760	ND	ND	ND	ND					
			7/15/14		579,900	70,160									
			9/2/14	11/26/14	581,450	1,550	Eff. Only								
			2/9/16	2/16/16	616,140	34,690	1.6	ND	ND	ND					
			8/23/18	10/4/18	696,300	80,160	Eff. Only								
			-	12/17/19	716,380	-	ND	ND	ND	ND	ND	ND	-	-	
		1	8/3/21	10/29/21	745,420	29,040	ND	ND	ND	ND	ND	ND			
		1	9/27/23												
807 Hillside Trail				05/17/04			6.1	ND	ND	ND					
Carrie & Mitchell Stump	JL-100		07/23/04	09/30/04	0	0	7.9	ND	ND	ND					
[redacted]	Every 2 yrs		01/05/07	--	125,730	125,730	--								
	Jan./11		4/21/09	2/19/10	234,170	108,440	5.4	ND	ND	ND					
Well: SE040			2/27/13		448,070	213,900									
			2/20/19	2/28/19	728,170	280,100	1.9	ND	ND	ND	ND		ND	ND	
		1	5/19/21	8/20/21	867,660	139,490	1.2	ND	ND	ND	ND	ND	ND		
		1	5/24/23	9/5/23	988,800	121,140	1.3	ND	ND	ND	ND	ND	ND	ND	
808 Hillside Trail				02/12/04			7.8	ND	ND	ND					
Mike and Sherry Schmidt	JL-100		03/25/04	07/17/04	0	0	7.3	ND	ND	ND					Vol.
[redacted]	Every 1 yr		12/01/05	12/14/05	140,770	140,770	Eff. Only								
[redacted]	Jan./11		01/12/07	--	240,879	100,109	--								
[redacted]			3/12/08	6/9/08	347,890	107,011	5.8	ND	ND	ND					
Well: RO391			2/11/09	--	413,100	65,210	--								
			1/19/10		523,380	110,280									
			3/17/11		589,530	66,150									
			4/6/12	9/25/12	693,010	103,480	4.4	ND	ND	ND					
			2/15/13	2/27/13	710,150	17,140	4.0	ND	ND	ND					
			2/14/14	6/16/14	762,710	52,560	Eff. Only								
			1/19/15	2/24/15	809,520	46,810	Eff. Only								
			2/5/16	5/24/16	868,880	59,360	2.8	ND	ND	ND					
			3/28/18	2/1/19	1,012,010	143,130	2.5	ND	ND	ND	ND				
			2/5/19	-	1,079,110	67,100									
			3/6/20	9/4/20	-	-	1.3	ND	ND	ND	ND	ND	ND	ND	
			2/21/22	4/8/22	1,178,690	99,580	ND	ND	ND	ND	ND	ND			
			3/21/23		1,405,850	227,160									
							FILTERS REMOVED 9/25/2023								
Pool and irrig. System															

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
809 Hillside Trail				7/6/09			5.2	ND	ND	ND					
Steve & Lorri Citro	JL-100		10/1/09		0	0									
[redacted]	Every 1 yr		5/24/13		148,140	148,140									
	Jan./11		7/30/14		187,150	39,010									
			4/3/15		210,020	22,870									
Well: UX117			6/14/16		245,920	35,900									
			4/26/19	12/11/19	339,570	93,650	0.78	ND	ND	ND	ND	ND	ND	ND	
			6/24/21		408,520	68,950									
		1	6/14/23		461,920	53,400									
Irrig. System															
810 Hillside Trail				08/16/04			6.6	ND	ND	ND					
David & Elizabeth Koetsell	JL-100		09/23/04	10/20/04	0	0	6.1	ND	ND	ND					Vol.
[redacted]	Every 1 yr		01/18/06	03/07/06	161,965	161,965	Eff. Only								Vol.
	Jan./11		01/12/07	--	320,000	158,035	--								Vol.
			2/12/08	6/9/08	544,600	224,600	6.3	ND	ND	ND					
New owners 2018, updated			9/18/08	--	642,560	97,960	--								
Well: RE899			5/28/09	--	698,830	56,270	--								
			1/22/10		782,850	84,020									
			2/1/13	3/7/13	1,066,790	283,940	4.5	ND	ND	ND					
			2/14/14	2/28/14	1,178,280	111,490	Eff. Only						ND	ND	
			1/16/15	3/4/15	1,260,680	82,400	Eff. Only						ND	ND	
			2/16/16	4/26/16	1,377,360	116,680	3.5	ND	ND	ND					
			3/1/17	3/24/17	1,477,190	99,830	2.6	ND	ND	ND					
			3/15/18		1,564,740	87,550									
			3/15/19		1,642,750	78,010									
			3/13/20												
		1	9/1/21	4/29/22	1,862,900	220,150	1.5	ND	ND	ND	ND	ND	ND	ND	
813 Hillside Trail				05/17/04			ND	ND	ND	ND					
David & Robyn Corrin	JL-100		07/30/04	09/29/04	0	0	3.7	ND	ND	ND					Vol.
	Every 2 yr		01/25/06	03/07/06	153,340	153,340	Eff. Only								Vol.
	Jan./11		01/23/07	--	294,340	141,000	--								Vol.
			4/18/08	9/24/08	428,690	134,350	1.5	ND	ND	ND					
Well: SE043 (160 ft deep)			2/10/09	--	511,760	83,070	--								
			1/22/10	9/25/12	619,390	107,630	1.1	ND	ND	ND					
			1/22/14	2/28/14	869,950	250,560	Eff. Only								
			1/19/17		972,310	102,360									
			3/5/19	4/2/19	1,042,560	70,250	ND	ND	ND	ND	ND		-		
		1	6/14/21	7/19/21	1,148,490	105,930	0.56	ND	ND	ND	ND	ND			
		1	6/21/23		1,208,200	59,710									
814 Hillside Trail				09/27/04			2.4	ND	ND	ND					
Mark & Laura Hay	JL-100		11/03/04	11/12/04	0	0	6.9	ND	ND	ND					
[redacted]	Every 1 yr		01/27/06	04/09/06	70,750	70,750	Eff. Only								
	Jan./11		01/19/07	--	132,750	62,000	--								Vol.
			2/11/09	--	313,390	180,640	--								
Well: SM688			2/5/10	4/7/10	402,780	89,390	5.2	ND	ND	ND					
Redrilled 20 ft deeper 2/10			2/15/13	4/9/13	667,130	264,350	5	ND	ND	ND					
			1/27/14	2/28/14	745,320	78,190	Eff. Only								
			1/28/15	2/16/15	836,230	90,910	Eff. Only								
			2/22/16	5/2/16	935,620	99,390	3.1	ND	ND	ND					
			6/23/17	8/15/17	1,034,000	98,380	2	ND	ND	ND					
			9/6/18	10/15/18	1,121,320	87,320	Eff. Only								
		1	8/22/19	9/20/19	1,205,700	84,380	2.4	ND	ND	ND	ND	ND	ND	ND	
		1	6/23/21	7/29/21	1,371,390	165,690	0.95	ND	ND	ND	ND	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
817 Hillside Trail				05/17/04			3.9	ND	ND	ND					
Joe & Patty Thompson	JL-100		07/23/04	11/12/04	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		01/27/06		65,460	65,460	meter reading								
	Jan./12		4/18/08	9/24/08	new meter	installed	ND	ND	ND	ND					
			1/29/10		52,490	52,490									
Well: SE042			6/10/13		157,730	105,240									
			2/19/15	3/27/15	250,900	93,170	Eff. Only								
			4/9/19	9/23/20	501,020	250,120	0.22 J	ND	ND	ND	ND	ND	ND	ND	
			5/12/21	4/29/22	562,890	61,870	ND	ND	ND	ND	ND				
		1	5/23/23	8/28/23	629,960	67,070	ND	ND	ND	ND	ND	ND			
820 Hillside Trail				03/25/04			7.4	ND	ND	ND					
Patrick Flanagan	JL-100		05/25/04	07/15/04	0	0	7.4	ND	ND	ND					
[redacted]	Every 1 yr		02/09/05	04/20/05	34,910	34,910	Eff. Only								
	Jan./12		02/20/07	--	177,960	43,050	--								
			2/20/09	--	317,610	139,650	--								
			1/26/10		375,100	57,490									
				10/18/12	618,650	243,550	3.9	ND	ND	ND					
			2/15/13		650,150	275,050									
			6/1/15		773,480	123,330									
				11/27/17	852,160	78,680	2	ND	ND	ND					
			12/7/17		853,010	850									
	Every 2 yrs		5/30/19	6/26/19	911,440	58,430	2.2	ND	ND	ND	ND	0.76 J	1.0 J	ND	
		1	7/22/21	9/1/21	981,000	69,560	1.1	ND	ND	ND	ND	ND	ND		
Well: SC116															
821 Hillside Trail				09/30/04			ND	ND	ND	ND					
Scott & Pam Vonasek	JL-100		11/19/04	11/19/04	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		8/10/07	--	184,000	184,000	--								
[redacted]	Jan./12		1/20/10	2/1/10	249,520	65,520	ND	ND	ND	ND					
			2/25/13	3/27/13	347,540	98,020	ND	ND	ND	ND					
Well: SM686			1/19/15	3/13/15	406,330	58,790	Eff. Only								
LRT is no longer responsible for GACS			3/4/19	5/29/19	843,310	436,980	ND	ND	ND	ND	ND		-		
825 Hillside Trail				10/20/04			ND	ND	ND	ND					
New owners 9/23/19	JL-100		12/17/04	02/24/05	0	0	ND	ND	ND	ND					
Andy & Connie Woessner	Every 1 yr		New Well												
[redacted]	Jan./11		9/5/07	09/7/07	240,440	240,440	4.0	ND	ND	ND					
			3/2/09	--	354,870	114,430	--								
Well: SM691 old			1/25/10		446,370	91,500									
Well: XX002 new				9/25/12	652,590	206,220	ND	ND	ND	ND					
Sprinkler system not filtered			1/28/13	3/6/13	682,620	30,030	4.3	ND	ND	ND					
			1/28/15	4/10/15	836,730	154,110	Eff. Only								
			1/26/16	5/17/17	925,290	88,560	3.4	ND	ND	ND					
			2/20/19	4/2/19	1,113,120	187,830	3.4	ND	ND	ND	ND	ND	ND	ND	
			3/6/20	5/28/20	1,182,220	69,100	1.4	ND	ND	ND	ND	ND	ND	ND	
			11/30/21	1/24/22	1,289,910	107,690	1.3	ND	ND	ND	ND	ND			
826 Hillside Trail				05/16/04			1.3	ND	ND	ND					
John & Jean Hutchison	JL-100		08/02/04	09/27/04	0	0	4.9	ND	ND	ND					Vol.
[redacted]	Every 1 yr		08/21/07	--	240,630	240,630	--								
	Jan./11		9/23/08	--	327,790	87,160	--								
New owners Feb. 2019			1/20/10	4/7/10	424,830	97,040	5.7	ND	ND	ND					
			3/22/11		497,150	72,320									
			5/22/12	2/8/13	585,430	88,280	3.1	ND	ND	ND					
Well: SC194			3/18/13		635,330	49,900									
			8/25/14		685,140	49,810									
			2/9/16	1/13/17	734,480	49,340	2.7	ND	ND	ND					
			10/19/18	3/27/19	837,480	103,000	2.1	ND	ND	ND	ND		ND	ND	
		1	11/7/19	11/12/19	895,560	58,080	ND	ND	ND	ND	ND	ND	1.7 J		
		1	6/24/21	8/3/21	1,001,970	106,410	ND	ND	ND	ND	ND	ND			
			6/16/22	9/26/22	1,060,430	58,460	1.6	ND	ND	ND	ND	ND			
		1	6/14/23	8/28/23	1,116,040	55,610	2	ND	ND	ND	ND	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
829 Hillside Trail				09/25/03			5.6	ND	ND	ND					
Eric and Michelle Egger	JL-100		12/05/03	04/26/04	0	0	<0.69>	ND	ND	ND					Vol.
[redacted]	Every 1 yr		01/17/05	02/22/05	152,520	152,520	Eff. Only								
	Jan./12		02/16/06	04/09/06	277,810	125,290	Eff. Only								Vol.
			02/28/07	--	457,850	180,040	--								Vol.
			2/5/08	6/9/08	597,860	140,010	<0.58>	ND	ND	ND					
			12/16/08	--	691,070	93,210	--								
			2/15/10		807,770	116,700									
			9/27/10		861,040	53,270									
			1/30/13	3/20/13	1,029,660	168,620	1.2	ND	ND	ND					
			2/5/14		1,104,600	74,940									
			1/21/15	3/4/15	1,174,380	69,780	Eff. Only								
			3/11/16	6/21/16	1,247,500	73,120	0.66	ND	ND	ND					
			5/2/18		1,369,850	122,350									
		1	12/3/20	8/3/21	1,511,300	141,450	0.34	ND	ND	ND	ND	ND	ND	ND	
830 Hillside Trail				08/18/05			5.6	ND	ND	ND					
Keith & Salome Bloomquist	JL-100		05/22/06	--	0	0	--								
[redacted]	Every 1 yr		7/9/08		192,500	192,500									
	Jan./10		5/16/12	2/27/13	460,760	268,260	4.0	ND	ND	ND					
Well: SR265			3/29/19		821,420	360,660									
		1	6/8/21		932,630	111,210									
			11/1/22		986,740	54,110									
833 Hillside Trail				02/28/03			4.1	ND	ND	ND					
Mike & Laurie Hurtgen	JL-100		04/21/03	04/30/03	0	0	4.0	ND	ND	ND					
[redacted]	Every 2 yrs		02/24/04	03/25/04	49,960	49,960	Eff. Only								
	Jan./12		01/25/06	04/09/06	182,580	132,620	Eff. Only								
			1/8/08	6/9/08	292,750	110,170	3.5	ND	ND	ND					
Well: RJ271			2/24/10		403,030	110,280									
			3/14/12		509,700	106,670									
			2/7/14		609,880	100,180									
			1/26/16	6/26/17	709,470	99,590	1.2	ND	ND	ND					
			3/29/19	12/26/19	921,500	212,030	0.24 J	ND	ND	ND	ND	ND	ND	ND	
		1	6/7/21	9/1/21	1,067,840	1,067,840	ND	ND	ND	ND	ND	ND	ND	ND	
		1	8/11/23		1,173,100	105,260									
838 Hillside Trail				02/12/04			ND	ND	ND	ND					
Josh & Megan Bennett	JL-100		06/22/04	07/17/04	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		02/10/06	04/09/06	69,570	69,570	Eff. Only								
	Jan./11		5/4/07	--	120,260	50,690	--								
Well: RU512			2/10/09	11/24/10	179,000	58,740	2.8	ND	ND	ND					
			2/10/12		255,223	76,223									
			2/13/14	4/15/14	326,390	71,167	0.52	ND	ND	ND					
			2/25/16	1/13/17	382,140	55,750	0.46	ND	ND	ND					
			3/4/19	4/8/19	484,820	102,680	ND	ND	ND	ND	ND		-		
			5/18/21	6/13/22			0.30 J	ND	ND	ND	ND	0.52 J			
		1	9/18/23		640,680										

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
843 Hillside Trail				07/15/04			ND	ND	ND	ND					
Laura Bright & Leonard Hartman	JL-100		09/23/04	09/29/04	0	0	2.9	ND	ND	ND					Vol.
	Every 1 yr		01/24/06	04/09/06	206,040	206,040	Eff. Only								
[redacted]	June		07/13/06	--	311,030	104,990	--								
			01/12/07	--	379,650	68,620	--								
			07/13/07	--	500,820	121,170	--								
Well: SE041			2/26/08	--	569,540	68,720	--								
			8/12/08		653,850	84,310									
			3/9/09		732,590	78,740									
			7/10/12	7/25/12	852,330	119,740	0.56	ND	ND	ND					
			1/30/13	2/27/13	945,000	92,670	0.47	ND	ND	ND					
			4/9/14	6/10/14	1,017,290	72,290	Eff. Only								
			3/25/15	5/12/15	1,181,720	164,430	Eff. Only								
			3/21/16	5/6/16	1,252,210	70,490	2.6	ND	ND	ND					
			6/23/17	8/11/17	1,323,820	71,610	ND	ND	ND	ND					
			10/9/18	1/7/19	1,363,280	39,460	Eff. Only						ND		
			4/12/19	5/23/19	900	New Meter	ND	ND	ND	ND	0.84J		-		
	Every 2 yrs		6/15/20	7/8/20	43,000	42,100	ND	ND	ND	ND	ND	ND			
		1	6/27/22	7/8/22	169,400	168,500	0.23	ND	ND	ND	ND	ND	ND	ND	
							FILTERS REMOVED 9/13/2023								
844 Hillside Trail				08/18/05			6.9	ND	ND	ND					
Brad McGhee	JL-100		02/03/06	02/20/06	0	0	7.0	ND	ND	ND					
[redacted]	Every 1 yr		2/27/08	--	79,310	79,310	--								Vol.
	Jan./11		5/12/10		327,780	248,470									
Well: SN437			3/17/11		420,070	92,290									
			6/19/12	8/7/12	576,310	156,240	2.7	ND	ND	ND					
			6/9/15		983,330	407,020									
			5/11/16		1,056,590	73,260									
			3/13/18	4/2/19	1,191,640	135,050	2	ND	ND	ND	ND		ND	ND	
		1	11/4/19		1,332,680	141,040									
		1	2/19/21	5/10/21	1,408,600	75,920	1.4	ND	ND	ND	ND	ND	ND	ND	
			2/21/22	5/13/22	1,551,300	142,700	1.1	ND	ND	ND	ND				
			3/3/23	9/5/23	1,679,540	128,240	0.94	ND	ND	ND	ND	ND	-	-	
848 Hillside Trail				08/22/03			5.3	ND	ND	ND					
Jacob & Mickey Lang	JL-100		10/09/03	12/03/03	0	0	7.0	ND	ND	ND					Vol.
[redacted]	Semi-Ann.		01/26/05	02/24/05	159,090	159,090	Eff. Only								Vol.
	Jan./July		01/20/06	04/09/06	332,290	173,200	Eff. Only								Vol.
			2/27/08	6/9/08	846,310	514,020	5.7	ND	ND	ND					Vol.
			6/2/09	--	1,139,150	292,840	--								
Call for tank exchange			1/26/10		1,201,380	62,230									
Don & Karen Nielsen			7/26/10		1,307,590	106,210									
[redacted]			1/13/12		1,734,090	426,500									
			5/17/12		1,754,470	20,380									Vol.
Well: RQ518			9/25/12	10/18/12	1,984,120	229,650	5.0	ND	ND	ND					
			8/13/13	2/11/14	2,100,920	116,800	Eff. Only								
			2/5/14	5/14/14	2,207,130	106,210	Eff. Only								
			7/23/14	2/24/15	2,265,200	58,070	Eff. Only								
			3/3/15		2,347,380	82,180									
			9/29/15	1/12/16	2,503,070	155,690	2.1	ND	ND	ND					
			3/15/16	5/17/17	2,735,030	231,960	2.0	ND	ND	ND					
			1/24/18	5/22/18	2,925,830	190,800	Eff. Only								
			9/4/18		3,056,950	131,120									
	Every 1 yr		4/9/19	5/7/19	3,096,980	40,030	1.6	ND	ND	ND	ND		ND	ND	
		1	9/1/20		3,242,140	145,160									
			12/1/21	5/11/22	3,412,880	170,740	ND	ND	ND	ND	ND	ND	ND	ND	
		1	3/2/23	5/16/23	3,624,080	211,200	1.6	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
851-A Hillside Trail				10/15/08			6.6	ND	ND	ND					
Renter: Kristy Coleman	JL-100		5/11/09		0	0									Vol.
[redacted]	Every 1 yr		4/8/10		155,010	155,010									Vol.
	Jan./11			9/25/12	468,520	313,510	5.3	ND	ND	ND					
Owner: Hillside Trail Townhome LLC			1/28/13		503,000	347,990									
Well: UD385			2/17/15		661,910	158,910									
			3/28/16		750,590	88,680									
			10/24/17	10/30/17	893,750	143,160	3.1	ND	ND	ND					
		1	8/22/19	12/17/19	1,066,590	172,840	ND	ND	ND	ND	ND	ND	ND	ND	
		1	2/24/21	4/1/21	1,276,350	209,760	2.2	ND	ND	ND	ND	ND	-	-	
		1	5/13/22	6/24/22	13,460,204	12,183,854	2.4	ND	ND	ND	ND	ND			
851-B Hillside Trail							Sampling done	at Unit A							
Renter:			No filter tanks in Unit B It feeds off same pressure tank as Unit A												
Owner: Hillside Trail Townhome LLC															
Well: UD385															
855-A Hillside Trail							Sampling done	at Unit B							
Renter: Mark Zilmer			No filter tanks in Unit A It feeds off same pressure tank as Unit B												
[redacted]															
Owner: Hillside Trail Townhomes LLC															
Well: UD386															
855-B Hillside Trail				12/2/08			8.3	ND	ND	ND					
Galen & Cheri Sederlund	JL-100		5/11/09		0	0									Vol.
[redacted]	Every 1 yr		4/13/12	9/25/12	273,380	273,380	6.8	ND	ND	ND					
	Jan./10		2/1/13	3/6/13	374,880	101,500	6.0	ND	ND	ND					
Owner: Hillside Trail Townhomes LLC			2/19/15		476,800	101,920									
Well: UD386		1?	4/2/19	12/3/19	947,280	470,480	2.7	ND	ND	ND	ND	ND	ND	ND	
			3/2/20												
			8/3/21												
		1	6/27/23		1,523,530										
860 Hillside Trail															
Jeff & Abby Klatt	JL-100		3/14/12		0										
[redacted]	Every 1 yr		4/30/13	6/13/13	141,080	141,080	1.6	ND	ND	ND					
	Feb./12		3/28/14	7/26/14	219,730	78,650	Eff. Only								
Well: WV453			4/27/15	6/22/15	256,880	37,150	2.4	ND	ND	ND					
			5/4/16	7/22/16	296,240	39,360	Eff. Only								
			6/26/17	8/11/17	346,430	50,190	1.7	ND	ND	ND					
			9/20/18	10/15/18	449,180	102,750	Eff. Only								
		1	10/18/19	12/11/19	514,580	65,400	0.74	ND	ND	ND	ND	ND	-	-	
		1	7/14/21	9/20/21	712,470	197,890	1.4	ND	ND	ND	ND	ND	ND	ND	
		1	7/14/22	11/30/22	809,670	97,200	2.1	ND	ND	ND	ND	ND	-	-	
		1	8/29/23		895,210	85,540									
861 Hillside Trail				4/15/08			7.9	ND	ND	ND					
Cale and Christina Rustad	JL-100		5/22/08	--	0	0	--								
[redacted]	Every 2 yrs		2/5/09		900	900									
	Jan./11		8/5/13	3/18/14	246,910	246,010	5								
Well: UL965				3/18/14	276,390	29,480	Sample taken between tanks @ DNR request. No detect.								
			8/6/15	12/28/15	322,360	45,970	Eff. Only						ND	ND	
			3/20/19	5/29/19	469,430	147,070	2.5	ND	ND	ND	ND		ND	ND	
			8/24/21	5/13/22			1.8	ND	ND	ND	ND	ND	ND	ND	
		1	8/29/23		733,560										

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
865 Hillside Trail			2/3/12		0	meter wasn't started at zero									
Paul & Sara Schultz	JL-100		4/26/13	5/29/13	337,620	337,620	3.8	ND	ND	ND					
[redacted]	Every 1 yr			3/18/14	397,690	60,070	Sample taken between tanks @ DNR request. No detect.								
	Mar./13		4/11/14	10/9/14	399,510	61,890	Eff. Only								
			3/27/15	6/17/15	430,900	33,210	4.4	0.62	ND	ND					
Well: WT391			4/22/16	7/22/16	474,330	74,820	Eff. Only								
			5/26/17	8/15/17	519,610	88,710	4.4	0.48	ND	ND	0.7				
			4/20/18		561,130	86,800									
		1	11/18/19	1/24/20	627,940	108,330	4.4	0.54 J	ND	ND	ND	ND	ND	ND	
		1	1/25/21	2/26/21	644,960	83,830	3.2	0.49 J	ND	ND	ND	ND	ND	ND	
		1	5/17/22		770,700	142,760									
		1	6/30/23		829,530	58,830									
868 Hillside Trail															
Gene Olson															
Well: UX125															
872 Hillside Trail			12/20/11	7/25/12	668,970	668,970	0.93	ND	ND	ND					
Jeff Thene	JL-100		4/30/15	5/26/15	818,360	149,390	0.6	ND	ND	ND					
[redacted]	Every 1 yr		3/26/19	4/2/19	960,210	141,850	ND	ND	ND	ND	ND	ND			
	Apr./15	1	2/23/21	4/1/21	1,019,380	59,170	ND	ND	ND	ND	ND	ND	-	-	
Well: WS078		1	9/1/22	11/30/22	1,220,920	201,540	0.37 J	ND	ND	ND	ND	ND	ND	ND	
876 Hillside Trail				7/25/12	752,700		0.63	ND	ND	ND					
Anthony & Shannon Sexe	JL-100		10/5/16		1,076,340	323,640									
[redacted]	Every 2 yrs	1	8/5/19	9/20/19	1,239,370	163,030	0.40 J	ND	ND	ND	ND	ND	-	-	
		1	5/9/22		1,394,520	155,150									
Well: WT386															
880 Hillside Trail				7/8/09			3.1	ND	ND	ND					
Brad & Emily Hubert	JL-100		10/15/09	--	0	0	--								
[redacted]	Every 2 yrs		3/6/13	5/22/13	78,430	78,430	1.5	ND	ND	ND					
	Jan./11		2/12/15	3/27/15	178,380	99,950	Eff. Only								
Well: UX116			8/14/18	10/4/18	213,230	34,850	0.6	ND	ND	ND					
Irrig. System		1	5/13/21	6/4/21	344,430	131,200	0.49 J	ND	ND	ND	ND	ND	ND	ND	
886 Hillside Trail			8/31/11	8/7/12	401,190		2.3	ND	ND	ND					
Michelle & Eric Clay	JL-100		6/24/13		452,130	452,130									
[redacted]	Every 2 yrs		6/25/15	9/24/15	507,680	106,490	1.4	ND	ND	ND					
	Jun./13		7/6/17		576,190	124,060									
		1	12/4/19	12/4/19	659,110	151,430	0.42 J	ND	ND	ND	ND	ND	ND	ND	
		1	1/20/21	4/1/21	698,620	122,430	0.42 J	ND	ND	ND	ND	ND	-	-	
Well: WT193		1	9/1/22	1/3/23	738,480	79,370	0.94	ND	ND	ND	ND	ND	-	-	
887 Hillside Trail				9/17/12		Initial Sample	1.4	1.4	ND	1.5					
George & Cynthia Kupfer	JL-100's		1/10/13	2/4/13	1,230,980	Tank Install	Eff. Only								
[redacted]	Every 1 yr		5/29/15	8/11/15	1,349,590	118,610	1.7	ND	ND	ND					
			5/17/16	6/29/16	1,391,790	42,200	Eff. Only								
			5/30/17		1,424,870	33,080									
		1	8/29/19	9/20/19	1,571,440	146,570	1	ND	ND	ND	ND	ND	-	-	
			-	10/25/19	-	-	-	-	-	-	-	-	ND	ND	
		1	6/23/21	10/5/21	1,622,580	51,140	0.63	ND	ND	ND	ND	ND			
		1	6/28/22	11/14/22	1,771,410	148,830	1.4	ND	ND	ND	ND	ND	-	-	
Well: WT661															
888 Hillside Trail			-	4/2/19	-	-	ND	ND	ND	ND	ND		-	-	
Lester & Therese			-	8/4/20	-	-	ND	ND	ND	ND	ND	ND	-	-	
[redacted]			-	8/24/22	-	-	0.71	ND	ND	ND	ND	ND			
(water is not filtered)															
Mail to:															
802 Orange Street, Hudson WI 54016															
Well: WT651															

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
890 Hillside Trail				8/7/12		Initial Sample	1.6	ND	ND	0.61					
Issac & Amanda Oliver	JL-100's		9/25/12	10/18/12	697,440	Tank install	Eff. Only								
[redacted]	Every 1 yr		5/1/15	6/26/15	933,050	235,610	4.1	ND	ND	ND					
			8/12/16	11/9/16	-	-	ND	ND	ND	ND					
Well: WT 658			8/4/17		1,122,550	-									
		1	11/12/19	1/7/20	1,327,160	204,610	2.9	ND	ND	ND	ND	ND	ND	ND	
		1	5/20/22		1,585,850										
	JL-300's installe	2	9/16/23	9/18/23		258,690	1.9	ND	ND	ND	ND	ND	ND	ND	
891 Hillside Trail				8/7/12	1,178,870		ND	ND	ND	ND					
Lawrence Hansen	JL-100		8/28/14		1,275,410	96,540									
[redacted]	Every 2 yrs		12/30/16		1,333,260	57,850									
[redacted]			5/3/19	7/22/19	1,362,710	29,450	ND	ND	ND	ND	ND	ND	ND	ND	
LRT is no longer responsible for GACS															
Well: WT 193															
753 Holden Lane				04/07/03			2.7	ND	ND	ND					
Mark Vonberg	JL-100		06/12/03	07/18/03	0	0	3.1	ND	ND	ND					
[redacted]	Every 1 yr		11/11/04	11/12/04	51,750	51,750	Eff. Only								Vol.
Well: RJ265	Mar./11		4/11/08	9/24/08	395,520	343,770	1.9	ND	ND	ND					Vol.
			8/11/10		715,890	320,370									Vol.
			8/2/12		929,290	213,400									
			6/25/13		960,980	31,690									
			6/6/14		1,112,660	151,680									
			5/15/15	7/13/15	1,210,770	98,110	1.7	ND	ND	ND					
			3/31/16	2/1/17	1,320,890	110,120	1.6	ND	ND	ND					
			10/23/18		1,610,800	289,910									
			8/5/20		1,776,220	165,420									
		1	9/20/22		2,068,520	292,300									
		1	9/20/23												
756 Holden Lane				9/16/96			8.2	ND	ND	ND					
Steve & Julie Reams	JL-100		7/8/97	7/23/97	0	0	7.4	0.38	ND	ND					
[redacted]	Every 1 yr		09/04/98	10/28/98	77,130	77,130	9.0	ND	ND	ND					
[redacted]	Mar./12		11/04/99	12/29/99	139,560	62,430	6.5	ND	ND	ND					Vol.
			09/13/01 Fe	10/18/01	340,630	201,070	4.8	ND	ND	ND					Vol.
Well: BM152			03/21/03	03/28/03	536,960	196,330	Eff. Only								Vol.
			05/11/04	06/14/04	778,570	241,610	Eff. Only								Vol.
			11/05/04	11/12/04	1,024,720	246,150	Eff. Only								
			07/19/05	08/09/05	1,136,930	77,690	Eff. Only								
			01/31/06 c	02/20/06	1,229,830	92,950	4.9	ND	ND	ND					Vol.
			03/13/07	--	1,466,890	237,060	--								Vol.
			8/4/08	--	1,709,240	242,350	--								
			10/22/08	--	1,743,270	34,030	--								
			12/18/09		1,830,830	87,560									
			11/5/10		1,907,080	76,250									
			9/29/11		2,067,640	160,560									
			1/30/13		2,286,680	219,040									
			4/22/16		2,546,680	260,000									
			10/4/17		2,648,690	102,010									
			5/7/18		2,686,020	37,330									
				8/28/20	2,811,940	-	1.6	ND	ND	ND	ND	ND	ND	ND	
		1	9/24/20	-	2,815,470	129,450	-	-	-	-	-	-	-	-	
		1	6/15/22		2,915,790	103,850									
			3/7/23		2,957,030	41,240									
761 Holden Lane				5/1/14			0.86	ND	ND	ND					
Steve & Brittany Palme	JL-100		6/24/14	6/27/14	0	970	ND	ND	ND	ND					
[redacted]	Every 1 yr			3/27/15	46,350	46,350	Eff. Only								
	Jun./15		9/12/17	3/7/18	153,620	107,270	0.94	ND	ND	ND					
Well: XJ431			9/20/18	11/6/18	199,700	46,080	Eff. Only								
	Every 2 yrs	1	10/7/20	1/18/21	270,130	70,430	ND	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
766 Holden Lane				9/26/96			ND	ND	ND	ND					
New Owners:	JL-100		7/14/97	7/23/97	0	0	ND	ND	ND	ND					
Kevin & Jodie Hudsick	Every 2 yr		07/22/98	8/26/98	96,970	96,970	ND	ND	ND	ND					
[redacted]	Mar./09		08/12/99	8/26/99	204,550	107,580	ND	ND	ND	ND					
			Col. and Fe	8/2/00	315,595	111,045	--	--	--	--					
			05/29/01	7/12/01	381,040	176,490	ND	ND	ND	ND					
			03/21/03	03/28/03	570,680	189,640	ND	ND	ND	ND					
Well: BM169 (Deep well)			03/29/05	07/13/05	763,390	192,710	ND	ND	ND	ND					Vol.
			04/27/07		960,550	197,160									
			4/7/11		1,137,060	176,510									
			8/28/14		1,255,570	118,510									
			6/19/18	8/14/18	1,378,090	122,520	Eff. Only								
LRT is no longer responsible for GACS		1	8/9/19	8/28/20	1,424,240	46,150	ND	ND	ND	ND	ND	ND	-	-	
							FILTERS REMOVED 7/21/2023								
767 Holden Lane				9/19/96			ND	ND	ND	ND					
Steven & Sandra Peterson	JL-100		6/20/97	7/1/97	0	0	0.33	ND	ND	ND					
[redacted]	Every 2 yrs		06/25/98	6/26/98	73,060	73,060	ND	ND	ND	ND					
Well: BM155	Mar./09		06/15/99	7/8/99	129,310	56,250	<0.60>	ND	ND	ND					
			Col. and Fe	8/2/00	199,760	70,450	--	--	--	--					
Front yard spigot softened			06/15/01	7/12/01	247,480	118,170	<0.66>	ND	ND	ND					
			03/28/03	03/28/03	339,920	92,440	Eff. Only								
			03/31/05	07/05/05	454,850	114,930	Eff. Only								
			04/24/07	7/19/07	599,390	144,540	<0.29>	ND	ND	ND					
			4/19/11		827,090	227,700									
			3/25/14		985,200	158,110									
			5/2/16	7/25/16	1,093,530	108,330	<0.37>	ND	ND	ND					
			4/17/19	7/24/19	1,246,710	153,180	0.65	ND	ND	ND	ND	ND	ND	ND	
		1	8/30/21		1,357,890	111,180									
							FILTERS REMOVED 8/1/2023								
772 Holden Lane				9/23/96			ND	ND	ND	ND					
Nicol Peterson	JL-100		10/13/97	10/27/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs			1/15/98	20,031	20,031	--	--	--	--					
Well: ET520 (Deep well)	Mar./12		Col. and Fe	4/7/98	34,992	34,992	--	--	--	--					
				7/17/98	70,878	70,878	--	--	--	--					
Inf. Only			01/18/99	01/26/99	109,660	109,660	ND	ND	ND	ND					
			11/23/99	12/29/99	164,450	54,790	ND	ND	ND	ND					
			07/20/01	7/26/01	281,980	117,530	ND	ND	ND	ND					
			03/12/03	03/28/03	418,900	136,920	ND	ND	ND	ND					
			04/01/05	04/19/05	603,970	185,070	ND	ND	ND	ND					
			04/20/07	--	732,570	128,600	--								
			3/17/10	11/24/10	1,027,710	295,140	ND	ND	ND	ND					
			5/6/11		1,203,630	175,920									
			4/10/13	6/13/13	1,397,490	193,860	Eff. Only								
			3/17/15		1,466,350	68,860									
			9/20/18		1,616,900	150,550									
LRT is no longer responsible for GACS		1	9/14/20	9/4/20	1,680,120	63,220	ND	ND	ND	ND	ND	ND	-	-	
		1	8/11/23		1,808,740	128,620									

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
776 Holden Lane				07/13/05			3.9	ND	ND	ND					
Jeremy & Sherry Rasmussen	JL-100		09/21/05	11/03/05	0	0	5.9	ND	ND	ND					
[redacted]	Every 1 yr		04/19/07	--	92,280	92,280	--								
	Mar./11		4/2/08	--	204,400	112,120	--								
[redacted]			9/30/09	--	388,980	184,580	--								
Well: S1578			3/31/10		413,420	24,440									
			4/7/11		475,730	62,310									
			4/19/12	4/2/13	598,090	122,360	3.9	ND	ND	ND					
			4/17/13		672,800	74,710									
			3/1/14		772,200	99,400									
			3/19/15	6/26/15	897,860	125,660	3.4	ND	ND	ND					
			4/6/16	7/11/16	997,220	99,360	Eff. Only								
				8/24/16		(Resample)	3.1	ND	ND	ND					
			5/12/17		1,158,720	161,500									
				9/26/17	1,201,620	42,900	2.5	ND	ND	ND					
			7/16/18		1,272,500	70,880									
			8/9/19	11/12/19	1,450,840	178,340	1.7	ND	ND	ND	ND	ND	ND	ND	
			8/25/20	10/6/20	1,456,090	5,250	1.4	ND	ND	ND	ND	ND	-	-	
			4/27/22	6/27/22	1,559,640	103,550	1.7	ND	ND	ND	ND	ND	-	-	
		1	4/7/23	5/30/23	1,650,410	90,770	1.9	ND	ND	ND	ND	ND	ND	ND	
777 Holden Lane				01/16/07			0.46	ND	ND	ND					
Jason Posel	JL-100		03/23/07	--	0	0	--								
	Every 2 yrs		1/12/10		119,520	119,520									
[redacted]	Mar./12		1/17/13		229,230	109,710									
Well: TW549			7/15/15	12/28/15	319,830	90,600	1.1	ND	ND	ND					
			7/5/18	9/11/18	431,330	111,500	Eff. Only								
		1	5/19/21	4/22/22	529,710	98,380	0.82	ND	ND	ND					
779 Holden Lane				9/26/96			ND	ND	ND	ND					
James King, New owner as of 8/2019	JL-100		2/26/97	3/10/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		02/24/98	2/26/98	46,800	46,800	ND	ND	ND	ND					
Well: BM153 (Deep well)	October		04/04/99	6/1/99	102,240	55,440	ND	ND	ND	ND					
			Col. and Fe	08/17/00	163,866	61,626	--	--	--	--					
Inf. Only			06/14/01	7/26/01	192,610	90,370	ND	ND	ND	ND					
			03/17/03	03/28/03	252,040	59,430	ND	ND	ND	ND					
Former Owners:			03/31/05	04/19/05	328,690	76,650	ND	ND	ND	ND					
John & Sherri Glodowski			05/4/07	04/19/05	392,170	63,480									
			4/6/10		514,390	122,220									
			11/14/12	3/13/13	622,410	108,020	ND	ND	ND	ND					
			3/15/17		822,220	199,810									
		1	10/11/19		new meter (taken from softener)										
LRT is no longer responsible for GACS				7/21/20	11,965	11,965	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
780 Holden Lane				9/25/96			7.6	ND	ND	ND					
Keith & Yvette Alesso				04/29/98			6.0	ND	ND	ND					
[redacted]	JL-100		10/13/98	10/28/98	0	0	8.7	ND	ND	ND					
	Every 2 yr		11/05/99	11/18/99	65,814	65,814	7.9	ND	ND	ND					
Well: KM061	Mar./15		06/20/00 Fe	06/29/00	106,090	40,276	8.8	ND	ND	ND					
			06/14/01	7/12/01	226,630	120,540	7.2	ND	ND	ND					
Inf. and Eff.			04/04/02	4/4/02	340,224	113,594	9.1	ND	ND	ND					
			03/05/03	03/07/03	391,838	51,614	9.8	ND	ND	ND					
			03/22/04	04/26/04	483,140	91,302	6.4	ND	ND	ND					
			03/24/05	05/13/05	555,870	72,730	7.2	ND	ND	ND					
			03/30/06 c	04/26/06	626,980	71,110	5.4	ND	ND	ND					
			04/17/07	--	727,890	100,910	--								
			4/3/08	4/15/08	809,560	81,670	Eff. Only								Vol.
Hydrant			4/16/09	--	964,560	155,000	--								
			3/10/10	4/7/10	1,065,600	101,040	4.6	ND	ND	ND					
[redacted]			5/12/11		1,288,320	222,720									Vol.
			4/13/12	7/27/12	1,435,080	146,760	4.1	ND	ND	ND					
			4/8/13	5/22/13	1,502,350	67,270	Eff. Only								
			3/24/14	6/10/14	1,579,900	77,550	Eff. Only								
			5/15/15	7/13/15	1,622,210	42,310	2.9	ND	ND	ND					
			3/28/16	5/6/16	1,658,700	36,490	Eff. Only								
			5/11/17	7/17/17	1,706,320	47,620	3.1	ND	ND	ND					
			4/20/18	6/26/18	1,784,770	78,450	2.4	ND	ND	ND					
			4/17/19	5/29/19	1,836,330	51,560	1.8	ND	ND	ND	ND		ND	ND	
		1	5/19/20	6/9/20	1,870,930	34,600	1.6	ND	ND	ND	ND	ND	-	-	
			7/19/22	8/5/22	1,993,730	122,800	ND	ND	ND	ND	ND	ND			
783 Holden Lane				9/26/96			6.6	1.1	0.36	ND					
Glenda & Mark Mattonen	JL-300		3/27/97	4/2/97	0	0	7.4	ND	ND	ND					
[redacted]	Every 2 yr		07/10/98	7/17/98	118,200	118,200	6.0	ND	ND	ND					
	Mar./10		04/02/99	7/8/99	184,590	66,390	7.5	ND	ND	ND					
Well: FY087	JL-100		08/04/00 Fe	08/17/00	298,150	113,560	7.8	ND	ND	ND					
			08/23/01	08/30/01	424,920	126,770	5.0	ND	ND	ND					
			04/26/02	5/15/02	481,817	56,897	7.4	ND	ND	ND					
			04/25/03	04/30/03	590,170	108,353	Eff. Only								
			10/01/04	10/21/04	630,880	40,710	Eff. Only								Vol.
			4/24/07	--	968,710	337,830	--								Vol.
			6/16/09		1,152,230	183,520									
			4/7/11		-	-									
		1	7/15/20		1,480,360	-									
			3/9/23		1,530,515	50,155									
787 Holden Lane				9/16/96			4.8	ND	ND	ND					
Emily Lockman	JL-100		2/10/97	2/20/97	0	0	5.2	ND	ND	ND					
[redacted]	Every 2 yr		02/09/98	2/23/98	40,610	40,610	4.1	<0.4>	<0.3>	ND					PCE
	Mar./15		02/24/99	03/25/99	84,410	43,800	4.6	<0.57>	ND	ND					
Well: FS648			02/01/00 Fe	06/29/00	153,310	68,900	4.1	ND	ND	ND					
			06/20/01	7/12/01	289,520	136,210	4.3	ND	ND	ND					
			03/22/02	4/4/02	361,170	71,650	4.9	ND	ND	ND					
Unfiltered spigot S. wall yet?			08/01/03	08/22/03	477,870	116,700	4.3	ND	ND	ND					
			03/29/05	04/19/05	648,310	170,440	Eff. Only								
switch to JL-100				2/12/09	1,082,590	434,280	meter reading								
			4/13/12	3/7/13	1,175,550	92,960	2.6	ND	ND	ND					
			4/17/13	5/29/13	1,222,350	46,800	Eff. Only								
			3/21/14		1,268,100	45,750									
			4/5/16	6/28/16	1,357,940	89,840	2.4	ND	ND	ND					
			5/30/17	7/17/17	1,407,640	49,700	2	ND	ND	ND					
			4/19/18	6/26/18	1,430,610	22,970	Eff. Only								
		1	11/7/19	2/18/20	1,463,920	33,310	1.5	ND	ND	ND	ND	ND	1.0 J	ND	
		1	6/8/22	1/18/23	1,579,080	115,160	ND	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
790 Holden Lane				9/16/96			7.0	1.5	ND	ND					
Scott & Candy Freer	JL-300		2/28/97	3/10/97	0	0	6.3	ND	ND	ND					
[redacted]	Every 1 yr		02/10/98	2/23/98	91,800	91,800	3.8	ND	ND	ND					
Well: IF920	Mar./11		03/11/99	3/25/99	175,570	83,770	6.8	ND	ND	ND					
	JL-100		06/29/00 Fe	06/29/00	281,865	106,295	7.0	ND	ND	ND					
			06/14/01	7/12/01	359,680	77,815	5.5	ND	ND	ND					
			03/19/02	4/4/02	474,878	115,198	7.6	ND	ND	ND					Vol.
			03/05/03	03/07/03	630,890	156,012	Eff. Only								Vol.
			03/15/04	03/31/04	762,800	131,910	Eff. Only								
			03/31/05	04/19/05	868,000	105,200	Eff. Only								Vol.
			07/20/06	--	1,015,180	147,180	--								Vol.
	JL-100		4/1/10		1,355,400	340,220									Vol.
			4/19/11	7/27/12	1,442,000	86,600	3.8	ND	ND	ND					
			4/10/13	6/13/13	1,596,420	154,420	Eff. Only								
			4/2/14	9/3/14	1,675,820	79,400	Eff. Only								
			3/19/15		1,742,560	66,740									
			4/6/16	8/17/16	1,838,250	95,690	1.1	ND	ND	ND					
			5/24/17	6/26/17	1,922,060	83,810	Eff. Only								
		1	11/4/19	1/13/20	2,087,790	165,730	1.5	ND	ND	ND	ND	ND	-	-	
		1	2/10/21	4/1/21	2,063,940		1.6	ND	ND	ND	ND	ND	ND	ND	
		1	6/2/22		2,255,910	191,970									
		1	7/25/23	9/5/23	2,337,200	81,290	0.9	ND	ND	ND	ND	ND	-	-	
792 Holden Lane				9/18/96			5.9	0.97	ND	ND					
David Galetka	JL-300		3/19/97	3/22/97	0	0	5.4	ND	ND	ND					
[redacted]	Every 2 yrs		07/14/98	8/26/98	65,610	65,610	4.8	ND	ND	ND					
Well: BM154	Mar./12		03/18/99	3/25/99	106,380	40,770	7.0	ND	ND	ND					
	JL-100		06/27/00 Fe	06/29/00	183,080	76,700	8.5	ND	ND	ND					
			Col. and VOCs	8/2/01	258,890	75,810	4.9	ND	ND	ND					
			03/21/02	4/4/02	298,943	115,863	8.1	ND	ND	ND					
			03/15/04	04/25/04	422,940	123,997	Eff. Only								
			02/28/06 c	04/26/06	541,490	118,550	4.2	ND	ND	ND					
			4/23/08	--	664,540	123,050	--								Vol.
			3/29/10		798,360	133,820									Vol.
			5/17/12	4/2/13	892,270	93,910	3.8	ND	ND	ND					
			5/12/14	9/3/14	1,000,540	108,270	Eff. Only								
			4/29/16	4/26/16	1,056,280	55,740	2	ND	ND	ND					
			7/5/18	8/14/18	1,110,540	54,260	1.6	ND	ND	ND					
		1	7/12/21		1,181,030	70,490									
874 Jane Circle				09/24/98			<0.6>	ND	ND	ND					
Kevin & Debbie Larson	JL-100		2/17/99	2/25/99	0	0	<0.68>	ND	ND	ND					
[redacted]			11/28/00	12/06/00	113,870	113,870	ND	ND	ND	ND					
[redacted]	Every 2 yr		Col.	01/31/02	200,830	86,960	--	--	--	--					Vol.
Well: LC875	Jan./15		01/10/03	02/28/03	260,350	146,480	<0.56>	ND	ND	ND					
			02/05/04	04/01/04	355,660	95,310	Eff. Only								
			01/20/05	02/24/05	424,950	69,290	Eff. Only								
			01/18/06 c	02/20/06	484,220	59,270	<0.39>	ND	ND	ND					
			02/02/07	--	551,710	67,490	--								
			3/10/08	--	627,300	75,590	--								
			4/7/09	--	718,090	90,790	--								
			1/22/10	2/19/10	782,070	63,980	<0.62>	ND	ND	ND					
			6/11/12	3/29/13	910,470	128,400	<0.35>	ND	ND	ND					
			4/5/13		958,580	48,110									
			3/25/14	6/10/14	1,000,170	41,590	Eff. Only								
			3/30/15	5/14/15	1,056,530	56,360	Eff. Only								
			3/25/16	9/23/16	1,105,350	48,820	ND	ND	ND	ND					
			6/23/17		1,144,220	38,870									
			6/19/18	8/14/18	1,177,250	33,030	Eff. Only								
		1	10/29/19		1,230,010	52,760									
		1	10/21/21	1/31/22	1,328,370	98,360	ND	ND	ND	ND	ND	ND			
		1	9/22/23	9/25/23	-	-	ND	ND	ND	ND	ND	ND			

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule+	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
876 Jane Circle			-	6/27/22	-	-	ND	ND	ND	ND	ND	ND	-	-	
Brent & Lisa Zweifelhofer			-	5/30/23	-	-	ND	ND	ND	ND	ND	ND	-	-	
[redacted]															
(water is not filtered)															
875 Jane Circle				4/28/97			1.5	ND	ND	ND					
Dean Jr. & Carin Kern	JL-100		07/24/97	9/3/97	0	0	1.0	ND	ND	ND					
[redacted]	Every 1 yr		07/23/98	8/26/98	44,670	44,670	<1.0>	ND	ND	ND					
[redacted]	Jan./11		07/21/99	07/29/99	109,840	65,170	<0.82>	ND	ND	ND					
Well: LF054			Col. and Fe	08/17/00	173,211	63,371	--	--	--	--					
			01/25/02	01/31/02	239,455	129,615	2.3	ND	ND	ND					
			06/11/04	07/13/04	333,550	94,095	Eff. Only								
			01/20/06 c	01/16/07	385,770	52,220	1.2	ND	ND	ND					
			2/5/08	--	496,760	110,990	--								Vol.
			1/21/10		681,190	184,430									
			3/27/12	9/10/12	853,670	172,480	3.3	ND	ND	ND					
			3/13/13	6/13/13	925,220	71,550	Eff. Only						ND	ND	
			3/3/14	6/27/14	980,320	55,100	Eff. Only						ND	ND	
			2/16/15	4/1/15	1,062,820	82,500	Eff. Only						ND	ND	
			3/7/16	6/21/16	1,136,590	73,770	0.67	ND	ND	ND					
			4/24/17		1,218,930	82,340									
			5/11/18	6/29/18	1,280,020	61,090	Eff. Only						ND	ND	
		1	9/13/19	10/25/19	1,358,460	78,440	0.32 J	ND	ND	ND	ND	ND	-	-	
		1	12/28/20	1/25/21	1,435,030	76,570	0.25 J	ND	ND	ND	ND	ND	-	-	
			4/26/22	4/29/22	1,502,320	67,290	ND	ND	ND	ND					
		1	4/25/23	6/12/23	1,542,950	40,630	ND	ND	ND	ND	ND	ND	ND	ND	
876 Jane Circle				4/28/97			0.075	ND	ND	ND					
Brent & Lisa Zwiefelhofer	JL-100		07/14/97	7/23/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		07/10/98	7/17/98	73,850	73,850	ND	ND	ND	ND					
Well: EQ393	Jan./12		08/02/99	8/26/99	193,820	119,970	ND	ND	ND	ND					
			Col. and Fe	08/17/00	272,042	78,222	--	--	--	--					
			01/18/02	01/22/02	420,743	226,923	ND	ND	ND	ND					
			02/23/04	04/01/04	630,330	209,587	Eff. Only								
			01/20/06 c	02/20/06	833,740	203,410	ND	ND	ND	ND					
			2/5/08	--	1,147,660	313,920	--								
			1/12/10	2/19/10	1,404,850	257,190	ND	ND	ND	ND					Vol.
			3/2/12	8/23/12	1,621,950	217,100	ND	ND	ND	ND					
			9/6/12		1,641,950	20,000	Replaced Meter								
			1/24/14	2/18/14	157,770	137,770	Eff. Only								
			1/23/15	2/16/15	209,640	71,870	Eff. Only								
			2/10/17	4/11/17	313,000	103,360	ND	ND	ND	ND					
LRT is no longer responsible for GACS			2/28/19	4/18/19	416,090	103,090	ND	ND	ND	ND	ND		-		

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule+	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
877 Kingsway Road				9/16/96			4.8	ND	ND	ND					
Patrick & Susan Giordana	JL-100		03/19/97	3/22/97	0	0	4.6	ND	ND	ND					
[redacted]	Every 1 yr		03/12/98	4/24/98	97,680	97,680	ND	ND	ND	ND					
	Jan./11		03/04/99	3/25/99	199,740	102,060	4.8	ND	ND	ND					
Well: KT721			01/25/00	03/06/00	299,300	99,560	4.6	ND	ND	ND					
			01/23/01 Fe	01/31/01	377,430	78,130	6.1	ND	ND	ND					
			01/16/02	01/22/02	483,799	106,369	4.8	ND	ND	ND					
			01/15/03	01/31/03	594,660	110,861	Eff. Only								
			02/13/04	04/01/04	713,220	118,560	Eff. Only								
			02/11/05	02/22/05	815,230	102,010	Eff. Only								
			01/18/06 c	04/26/06	900,904	85,674	3.6	ND	ND	ND					Vol.
			07/13/07	--	1,049,940	149,036	--								
			3/17/09	--	1,220,500	170,560	--								
			2/3/10	2/19/10	1,318,990	98,490	6.1	ND	ND	ND					
			4/22/11		1,445,670	126,680									
			4/11/12	10/18/12	1,549,130	103,460	ND	ND	ND	ND					
			4/24/13	5/8/13	1,694,260	145,130	5.4	ND	ND	ND					
			3/25/14		1,807,830	113,570									
			2/17/15		1,889,010	81,180									
			4/11/16	11/21/16	1,989,250	100,240	2.2	ND	ND	ND					
			3/17/17		2,059,210	69,960									
			2/15/18	-	2,139,240	80,030									
			4/4/19	4/8/19	2,237,120	97,880	1.8	ND	ND	ND	ND	ND	ND	ND	
			7/1/20	10/21/20	2,348,900	111,780	1.4	ND	ND	ND	ND	ND	-	-	
		1	7/20/21	10/29/21	2,440,680	91,780	0.97	ND	ND	ND	ND	ND			
		1	7/26/22	11/3/22	2,505,670	64,990	0.96	ND	ND	ND	ND	ND	ND	ND	4.1 J
878 Kingsway Road				9/18/96			ND	ND	ND	ND					
William & Tracy Hartwick	JL-100		03/08/97	3/22/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		05/12/98	05/15/98	31,100	31,100	ND	ND	ND	ND					
Well: IH248	Jan./11		04/04/99	04/22/99	63,840	32,740	ND	ND	ND	ND					
			Col. and Fe	8/14/00	128,270	64,430	--	--	--	--					
Inf. Only			02/13/01	3/5/01	149,190	85,350	ND	ND	ND	ND					
			Col.	1/31/02	200,211	51,021	--	--	--	--					
			01/11/03	01/21/03	250,710	101,520	ND	ND	ND	ND					
			01/19/05	02/23/05	380,030	129,320	ND	ND	ND	ND					
			01/23/07	--	517,610	137,580	--								
			2/20/09	2/1/10	683,200	165,590	ND	ND	ND	ND					
			3/22/11		816,170	132,970									
			2/25/13	4/2/13	894,690	78,520	ND	ND	ND	ND					
			2/16/15	3/27/15	971,960	77,270	Eff. Only								
			2/20/17	5/8/17	1,064,560	92,600	ND	ND	ND	ND					
LRT is no longer responsible for GACS			2/13/20												
881 Kingsway Road				9/18/96			1.0	ND	ND	ND					
Steve Shortell & Raven Fox-Shortell	JL-100		03/10/97	3/19/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		05/08/98	05/15/98	49,720	49,720	ND	ND	ND	ND					
	Jan./12		03/12/99	03/25/99	76,340	26,620	<0.70>	ND	ND	ND					
			Col. and Fe	8/14/00	126,585	50,245	--	--	--	--					TCE
			01/29/01	1/31/01	144,565	68,225	21	ND	ND	ND					TCE
				2/26/01			16	ND	ND	ND					
	JL-300		05/15/01	7/12/01	155,790	11,225	23	ND	ND	ND					
			01/29/02	2/21/02	186,289	30,499	8.1	ND	ND	ND					
Well: EO132			02/10/04	04/01/04	275,110	88,821	Eff. Only								
JL-100?			02/08/06 c	02/21/06	351,350	76,240	7.6	ND	ND	ND					
			1/25/08	--	465,240	113,890	--								
			1/21/10	2/19/10	566,660	101,420	9.1	ND	ND	ND					Vol.
			3/6/12	10/18/12	659,380	92,720	3.4	ND	ND	ND					
			2/6/14		689,620	30,240									
			2/16/16	4/12/16	720,290	30,670	ND	ND	ND	ND					
			2/12/18	3/30/18	823,190	102,900	ND	ND	ND	ND					
			3/30/20	6/9/20	939,200	116,010	ND	ND	ND	ND	ND	ND			
		1	5/31/22	6/27/22	1,001,240	62,040	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
882 Kingsway Road				2/10/97			ND	ND	ND	ND					
Deanna and Alpha Ndebele	JL-100		05/29/97	6/9/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		05/11/98	6/26/98	74,940	74,940	ND	ND	ND	ND					
	Jan./11		05/13/99	6/1/99	163,040	88,100	ND	ND	ND	ND					
Well: LJ320			Col. and Fe	8/14/00	230,595	67,555	--	--	--	--					
			02/13/01	3/5/01	266,460	103,420	ND	ND	ND	ND					
Inf. Only			Col.	01/31/02	351,053	84,593	--	--	--	--					
May-20			01/11/03	02/07/03	414,500	148,040	ND	ND	ND	ND					
New owners			01/24/05	03/11/05	548,640	134,140	ND	ND	ND	ND					
			04/10/07	--	716,500	167,860	--								
			2/11/09	2/19/10	872,450	155,950	ND	ND	ND	ND					
			4/6/11		971,600	99,150									
			9/26/13		1,076,330	104,730									
			2/10/15	3/27/15	1,119,750	43,420	Eff. Only								
			2/1/17		720,670	New meter									
LRT is no longer responsible for GACS			3/27/20	5/28/20	1,310,630	589,960	ND	ND	ND	ND	ND	ND			
917 LaBarge Rd				9/27/96			ND	ND	ND	ND					
Chris & Stephanie Bankes	JL-100		03/21/97	3/22/97	0	0	0.60	ND	ND	ND					
[redacted]	Every 2 yrs		04/24/98	6/26/98	41,800	41,800	<0.40>	ND	ND	ND					
Well: EZ382	Mar./12		03/31/99	6/1/99	79,920	38,120	ND	ND	ND	ND					
			Col. and Fe.	8/14/00	158,310	78,390	--	--	--	--					
			03/29/01	4/12/01	186,830	106,910	<0.54>	ND	ND	ND					
			not exchanged	04/07/04			Eff. Only								
			06/21/07	--	266,510	79,680	--								
			3/19/10		396,330	129,820									
			4/24/12	9/17/12	480,390	84,060	0.43	ND	ND	ND					
			3/24/14	6/17/14	574,910	94,520	Eff. Only								
			4/18/16	6/29/16	675,840	100,930	ND	ND	ND	ND					
			7/9/18	8/14/18	811,600	135,760	Eff. Only								
		1	11/9/20	12/21/20	954,970	143,370	0.23 J	ND	ND	ND	ND	ND	-	-	
		1	1/31/23		1,142,910	187,940									
923 LaBarge Rd				9/25/96			ND	ND	ND	ND					
Gregory & Linda Grass	JL-100		04/03/97	4/14/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		05/21/98	6/26/98	122,080	122,080	ND	ND	ND	ND					
Well: EV027	Mar./12		04/27/99	6/1/99	220,000	97,920	ND	ND	ND	ND					
			Col. and Fe	8/14/00	347,680	127,680	--	--	--	--					
			03/29/01	4/12/01	397,320	177,320	ND	ND	ND	ND					
			04/11/03	04/30/03	572,690	175,370	Eff. Only								
			04/08/05	05/13/05	712,260	139,570	Eff. Only								
			04/27/07	9/24/08	864,540	152,280	ND	ND	ND	ND					
			4/6/10		1,013,200	148,660									
			4/11/12	9/4/12	1,097,500	84,300	ND	ND	ND	ND					
				3/20/13	1,132,230		ND	ND	ND	ND					
			4/17/14	6/17/14	1,191,350	93,850	Eff. Only								
			4/4/16	7/11/16	1,269,880	137,650	ND	ND	ND	ND					
			7/9/18	9/11/18	1,368,160	176,810	Eff. Only								
LRT is no longer responsible for GACS		1	11/12/20	12/14/20	1,476,070	206,190	ND	ND	ND	ND	ND	ND	-	-	

FILTERS REMOVED 10/11/2021

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
929 LaBarge Rd				9/17/96			1.2	ND	ND	ND					
Robert Stanway	JL-100		03/20/97	3/22/97	0	0	0.91	ND	ND	ND					
[redacted]	Every 2 yrs		04/16/98	4/20/98	80,290	80,290	<0.7>	ND	ND	ND					
	Mar./12		03/16/99	3/25/99	147,080	66,790	<0.85>	ND	ND	ND					
(Former Resident):			04/14/00	5/18/00	223,550	76,470	<0.77>	ND	ND	ND					
Suzanne Spence			03/13/01 Fe	3/21/01	284,680	61,130	<0.72>	ND	ND	ND					
[redacted]			03/21/02	04/04/02	355,360	70,680	<0.96>	ND	ND	ND					
			04/19/04	05/14/04	435,090	79,730	Eff. Only								
Well: BM146			05/23/06	--	511,670	76,580	--								
			7/7/08	--	630,790	119,120	--								
			4/27/10		707,630	76,840									
			9/25/12	10/8/13	877,210	169,580	Eff. Only								
			8/28/14		1,091,070	213,860									
			6/14/16		1,205,940	114,870									
			8/30/18		1111800?										
		1	5/19/21		1,184,940	73,140									
		1	6/26/23	9/5/23	1,217,050	32,110	ND	ND	ND	ND	ND	ND	ND	ND	
932 LaBarge Rd (Barn)				9/20/96			8.3	1.0	ND	1.4					
Jerry Schmitt	JL-300		06/17/97	6/23/97	0	0	8.7	0.42	ND	ND					Vol.
[redacted]	Semi-Ann.		07/02/98	7/17/98	81,990	81,990	6.9	0.5	0.3	ND					
	May/Nov.		06/15/99	after sold	94,380	12,390	Tanks are not hooked up. Old ones have been removed								
			04/26/01 Fe	5/3/01	94,890	510	7.1	<0.41>	ND	ND					
			12/18/01	12/20/01	168,690	73,800	7.0	ND	ND	ND					
Well: EL427			09/10/02	09/13/02	268,640	99,950	6.7	ND	ND	ND					
			04/04/03	04/30/03	312,975	44,335	Eff. Only								
			09/19/03	10/30/03	354,260	41,285									
Switch to JL-100			06/18/04	07/13/04	399,290	45,030	Eff. only								
			07/29/05	08/09/05	465,100	65,810	Eff. only								
			05/05/06	--	553,430	88,330	--								
			11/03/06	--	663,870	110,440	--								Vol.
Hydrant is filtered			05/4/07	7/20/07	741,350	77,480	6	0.5	0.3	ND					Vol.
			10/12/07	--	843,280	101,930	--								
			1/25/08	--	892,030	48,750	--								
			6/6/08	--	951,960	59,930	--								
			12/16/08	--	1,056,470	104,510	--								
			8/14/09	--	1,157,810	101,340	--								
			12/4/09		1,205,390	47,580									Vol.
			8/6/10		1,299,250	93,860									
			6/29/12		1,566,450	267,200									
			1/11/13	5/13/13	not	recorded	2.8	ND	ND	ND					
			7/19/13		1,776,530										
			12/30/13	2/28/14	1,865,140	88,610	Eff. Only								
			6/6/14		1,955,000	89,860									
			12/19/14	1/2/15	2,043,340	88,340	Eff. Only								
			6/25/15		2,832,490	789,150									
			12/4/15	2/5/16	2,902,070	69,580	3.3	ND	ND	ND					
			6/15/16	8/24/16	2,975,400	73,330	Eff. Only								
			11/18/16	1/6/17	not	recorded	2.6	ND	ND	ND					
			6/23/17	8/11/17	2,794,520		Eff. Only	ND	ND	ND					
			2/23/18		2,692,520	102,000									
			8/23/18		2,603,000	89,520									
			2/22/19		2,527,410	75,590									
		1	11/8/19	1/13/20	2,416,040	111,370	See 1/13/20 932 LaBarge Road (House) Raw Sample Results						ND	ND	
		1	11/9/20	12/8/20	2,566,850	150,810	ND	ND	ND	ND	ND	ND	ND	ND	
			6/8/21		2,649,300	82,450									
			12/20/21		2,711,910	62,610									
			4/22/22	5/6/22	2,756,880	44,970	1.8	ND	ND	ND	ND	ND	ND	ND	
			8/25/23	9/18/23	2,940,520	183,640	ND	ND	ND	ND	ND	ND			

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
932 LaBarge Rd (Home)															
Jerry Schmitt	JL-300		01/18/02	01/22/02	0	0	Eff. Only								
[redacted]	Every 1 yr		03/28/03	03/28/03	48,240	48,240	Eff. Only								
	Dec./11		06/18/04	07/13/04	130,560	82,320	Eff. Only								
			07/29/05	08/09/05	217,540	86,980	Eff. Only								
			05/05/06	--	245,290	27,750	--								Vol.
Well: EL427 (Same as Barn)			05/4/07	07/20/07	392,900	147,610	Eff. Only								
			10/12/07	--	440,910	119,860	--								
			6/6/08	--	464,200	23,290	--								
Switch to JL-100			11/14/08	--	482,940	18,740	--								
			8/14/09	--	511,390	28,450	--								
			12/4/09		not	recorded									
			8/6/10	--	543,130	31,740									
			1/11/13	5/13/13	642,430	99,300	Eff. Only						ND	ND	
			12/30/13	2/28/14	678,750	36,320	Eff. Only						ND	ND	
			12/19/14	1/2/15	714,550	35,800	Eff. Only						ND	ND	
			12/4/15	2/5/16	741,960	27,410	Eff. Only						ND	ND	
			11/18/16	1/6/17	769,390	27,430	2.8	ND	ND	ND					
			2/23/18		767,810	-									
			2/22/19		819,670	51,860									
		1	11/8/19	1/13/20	893,510	73,840	2.1	ND	ND	ND	ND	ND	ND	ND	
		1	11/9/20		858,510	?	See 12/8 LaBarge Road (Barn) Raw Sample Results								
	JL-100	2	6/8/21		869,400	10,890									
		1	12/20/21	ed from barn,1 from house. Meter reading taken from barn.											
		1	4/22/22	5/6/22	885360	15,960	1.7	ND	ND	ND	ND	ND	ND	ND	
		1	8/25/23	9/18/23	912140	26,780	1.2	ND	ND	ND	ND	ND			
940 LaBarge Rd				9/23/96			ND	ND	ND	ND					
Kathryn & Bob Cook	JL-100		04/07/97	4/14/97	0	0	ND	ND	ND	ND					
[redacted]	Every 1 yr		05/19/98	7/17/98	57,450	57,450	ND	ND	ND	ND					
	Sept./11		05/06/99	6/1/99	118,820	61,370	ND	ND	ND	ND					
			Col. and Fe	8/2/00	201,648	82,828	--	--	--	--					
			03/30/01	4/12/01	232,060	113,240	ND	ND	ND	ND					
Well: RD883 (189' deep)	New Well		Nov. 2002	11/21/02	336,250	104,190	3.3	ND	ND	ND					
			03/03/03	03/07/03	352,460	120,400	Eff. Only								Vol.
New owner: Brian Glaeser (2022)			03/19/04	03/31/04	488,860	136,400	Eff. Only								Vol.
			06/30/05	07/13/05	649,910	161,050	Eff. Only								Vol.
			04/21/06	--	784,890	134,980	--								Vol.
			04/24/07	--	990,220	205,330	--								
			7/23/08		1,077,420	87,200									Vol.
			9/23/10		1,244,030	166,610									
			4/13/11		1,281,890	37,860									
			5/17/12	7/30/12	1,388,120	106,230	1.2	ND	ND	ND					
			9/25/12		1,421,760	33,640									
			4/17/13	5/29/13	1,458,700	36,940	Eff. Only								
			5/19/15	11/3/15	1,521,630	62,930	ND	ND	ND	ND					
			10/19/15	1/27/16	1,536,020	14,390	Eff. Only								
			1/19/17		1,573,680	37,660									
			2/12/18		1,602,930	29,250									
	Every 2 yrs	1	7/13/20	7/28/20	1,708,840	105,910	1.9	ND	ND	ND	ND	ND	-	-	
		1	7/21/22		1,782,210	73,370									

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
948 LaBarge Rd				9/23/96			ND	ND	ND	ND					
Donna Speer-Bast/Kernon Bast	JL-100		07/01/97	7/16/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		07/21/98	7/17/98	43,480	43,480	ND	ND	ND	ND					
	Mar./12		08/13/99	--	79,070	35,590	--								
Well: BM119 (Deep well)			03/27/01	--	123,020	43,950	--								
			02/28/03	02/28/03	175,620	52,600	ND	ND	ND	ND					
Inf. Only			06/28/05	08/09/05	223,910	48,290	ND	ND	ND	ND					
			04/17/07	--	281,130	57,220	--								
			3/29/10		339,870	58,740									
			4/22/13	5/29/13	386,600	46,730	Eff. Only								
			4/8/15	5/14/15	418,980	32,380	ND	ND	ND	ND					
			7/3/18	8/14/18	476,090	57,110	Eff. Only								
LRT is no longer responsible for GACS		1	9/30/20		520,880	44,790									
							FILTERS REMOVED 9/22/2023								
949 LaBarge Rd				5/20/97			7.9	<0.51>	ND	ND					
Brad Guth	JL-300		07/14/97	7/23/97	0	0	7.0	0.22	ND	ND					
[redacted]	Every 2 yrs		08/11/98	8/26/98	51,840	51,840	5.9	ND	ND	ND					
	Mar./12		07/27/99	07/29/99	100,040	48,200	6.2	ND	ND	ND					
			05/05/00	5/18/00	122,850	22,810	7.0	ND	ND	ND					
			Col., Fe, VOCs	7/26/01	171,118	48,268	2.9	ND	ND	ND					
Well: LL649			03/09/02	3/21/02	190,700	67,850	<1.9>	ND	ND	ND					
			03/19/04	04/24/04	251,130	60,430	Eff. Only								
	JL-100		05/26/06	--	326,960	75,830	--								
			4/29/08	--	414,550	87,590	--								
			4/9/10		475,170	60,620									
			8/24/12	2/27/13	540,630	65,460	1.0	ND	ND	ND					
			5/23/14	7/1/14	587,500	46,870	Eff. Only								
			10/11/16	12/29/16	641,880	54,380	2.6	ND	ND	ND					
			11/1/18	12/7/18	717,940	76,060	2.3	ND	ND	ND					
		1	6/29/21	7/19/21	793,290	75,350	1.7	ND	ND	ND	ND	ND	ND	ND	
		1	7/21/23	8/15/23	845,410	52,120	1.8	ND	ND	ND	ND	ND	-	-	
953 LaBarge Rd				9/23/96			6.3	ND	ND	ND					
John & Marlene Hintz	JL-100		02/10/97	2/20/97	0	0	5.2	ND	ND	ND					
[redacted]	Every 1 yr		02/05/98	2/23/98	99,290	99,290	4.8	ND	ND	ND					
Well: BM093	Mar./11		02/05/98	2/23/98	99,290	99,290	4.8	ND	ND	ND					
			02/22/99	2/25/99	199,040	99,750	5.4	ND	ND	ND					
Inf. and Eff.			04/04/00	4/19/00	288,950	89,910	6.1	ND	ND	ND					
			03/15/01 Fe	3/21/01	359,060	70,110	6.6	ND	ND	ND					
			03/21/02	3/21/02	424,160	65,100	6.0	ND	ND	ND					
			03/26/03	03/28/03	495,686	71,526	6.7	ND	ND	ND					
			03/15/04	03/29/04	584,660	88,974	6.1	ND	ND	ND					
			05/04/05	06/15/05	676,600	91,940	6.3	ND	ND	ND					
			03/09/06 c	04/26/06	755,830	79,230	4.9	ND	ND	ND					Vol.
			05/24/07	--	886,856	131,026	--								
			6/2/08	--	933,450	46,594	--								
			5/28/09	--	1,017,280	83,830	--								
			3/25/10	4/7/10	1,073,160	55,880	3.8	ND	ND	ND					
			3/23/11		1,133,630	60,470									
			4/18/13	6/13/13	1,275,770	142,140	Eff. Only								
			3/26/15		1,436,900	161,130									
			6/22/17		1,603,830	166,930									
		1	11/20/19	12/11/19	1,804,030	200,200	1.8	ND	ND	ND	ND	ND	ND	ND	
		1	5/26/22		2,005,930	201,900									
		1	9/11/23	9/18/23	2,119,890	113,960	1.3	ND	ND	ND	ND	ND			

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
959 LaBarge Rd				9/23/96			7.4	ND	ND	ND					
Joshua Lockner & Bianca Hyer	JL-100		03/11/97	3/22/97	0	0	6.7	ND	ND	ND					
[redacted]	Every 1 yr		04/23/98	5/15/98	30,540	30,540	4.2	ND	ND	ND					PCE
Well: BM168	Sept./11		03/08/99	3/25/99	58,780	28,240	8.5	<0.54>	ND	ND					
				8/26/99	72,115	13,335	7.3	<0.45>	ND	ND					
	JL-300		05/12/00	05/31/00	96,621	37,841	6.6	ND	ND	ND					
			Col., Fe, VOCs	7/26/01	143,731	47,110	4.0	ND	ND	ND					
			03/19/02	3/21/02	181,974	85,353	4.0	ND	ND	ND					
			03/19/04	03/29/04	306,850	124,876	Eff. Only								
			04/11/06	--	431,500	124,650	--								Vol.
switch to JL-100			4/24/08	9/24/08	640,180	208,680	3.2	ND	ND	ND					Vol.
			3/22/10		845,370	205,190									
			10/19/10		892,570	47,200									
			5/8/13	7/17/13	1,000,520	107,950	Eff. Only								
			6/21/19	7/16/19	1,181,680	181,160	2.0	ND	ND	ND	ND	ND	ND	ND	
		1	6/29/21		1,243,180	61,500									
		1	9/25/23		1,320,300	77,120									
962 LaBarge Road				11/01/01			2.9	ND(<0.68>)	ND	ND					
Melanie & John Tevik	JL-100		02/06/02	02/21/02	0	0	2.4	ND	ND	ND					
[redacted]	Every 1 yr		03/14/03	03/28/03	96,017	96,017	Eff. Only								Vol.
	Aprl./14		11/13/03	11/09/03	245,290	149,273	Eff. Only								
Well: OV440			02/18/05	03/16/05	367,860	122,570	Eff. Only								
			06/05/06	--	472,670	104,810	--								
			04/27/07	7/23/07	569,100	96,430	2.5	ND	ND	ND					Vol.
			4/2/08	--	899,300	330,200	--								
			11/13/09	--	1,184,190	284,890	--								
			4/30/10		1,210,030	25,840									
			4/19/11		1,255,120	45,090									
			4/13/12	9/4/12	1,342,730	87,610	1.5	ND	ND	ND					
			4/24/13	11/19/13	1,488,930	146,200	Eff. Only								
			4/4/14	6/25/14	1,581,230	92,300	Eff. Only								
			3/25/15	6/2/15	1,619,220	37,990	2.1	ND	ND	ND					
			3/28/16	5/12/16	1,659,010	39,790	Eff. Only								
			5/18/17	1/23/18	1,712,460	53,450	1.8	ND	ND	ND					
		2	6/28/19	8/27/19	1,786,670	74,210	1.5	ND	ND	ND	ND	ND	ND	ND	
		1	12/4/20	2/11/21	1,834,390	47,720	1.3	ND	ND	ND	ND	ND	-	-	
			4/27/22	5/20/22	1,878,930	44,540	1.2	ND	ND	ND	ND	ND			
		1	4/10/23	5/30/23	1,900,700	21,770	1.3	ND	ND	ND	ND	ND	ND	ND	

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
963 LaBarge Rd				9/18/96			0.78	ND	ND	ND					
Duane Scholz	JL-100		07/03/97	7/16/97	0	0	0.84	ND	ND	ND					
[redacted]	Every 2 yr			8/27/97			<0.82>	ND	ND	ND					
	Mar./15		07/21/98	09/24/98	100,690	100,690	1.0	ND	ND	ND					
Well: KK891			07/21/99	07/29/99	210,080	109,390	1.1	<0.42>	ND	ND					
				10/28/99	234,864	24,784	1.3	ND	ND	ND					
			04/06/00	5/3/00	273,400	63,320	1.3	ND	ND	ND					
			03/15/01 Fe	3/21/01	369,450	96,050	1.1	ND	ND	ND					
			03/15/02	3/21/02	465,563	96,113	<1.2>	ND	ND	ND					
			03/21/03	03/28/03	548,550	82,987	Eff. Only								
			04/08/04	04/25/04	658,200	109,650	Eff. Only								Vol.
			05/16/05	08/31/05	798,920	140,720	Eff. Only								
			04/17/06	--	917,020	118,100	--								Vol.
			05/25/07	7/20/07	1,050,310	133,290	0.9	ND	ND	ND					
			4/2/08	--	1,169,260	118,950	--								Vol.
			3/10/10		1,383,180	213,920									
			5/5/11		1,472,700	89,520									
			4/17/12	9/10/12	1,515,200	42,500	0.74	ND	ND	ND					
			4/10/13		1,584,370	69,170									
			3/31/14	6/10/14	1,649,740	65,370	Eff. Only								
			4/4/16	8/5/16	1,765,390	115,650	0.67	ND	ND	ND					
			5/19/17	6/20/17	1,818,050	52,660	0.57	ND	ND	ND					
			4/16/18	5/14/18	1,860,420	42,370	Eff. Only								
		1	10/15/19	11/20/19	1,960,580	100,160	0.71	ND	ND	ND	ND	ND	-	-	
		1	5/19/22	6/24/22	2,104,260	143,680	0.74	ND	ND	ND	ND	ND	-	-	
		1	4/18/23	6/6/23	2,157,370	53,110	0.33	ND	ND	ND	ND	ND	ND	ND	
964 LaBarge Rd				10/7/02			3.3	ND	ND	ND					
Derek Studanski	JL-100		12/31/02	01/21/03	0	0	3.6	ND	ND	ND					
[redacted]	Every 2 yrs		03/25/04	03/31/04	92,030	92,030	Eff. Only								Vol.
	Mar./12		06/01/05	07/13/05	316,440	224,410	Eff. Only								
			05/09/06	--	440,730	124,290	--								
			11/6/07	4/15/08	542,070	101,340	2.3	ND	ND	ND					
Well: RF502			7/2/08		559,540	17,470									
			3/11/10		589,230	29,690									
			11/5/10		608,780	19,550									
			5/22/12	9/1/12	668,750	59,970	1.9	ND	ND	ND					
			4/4/14	6/27/14	703,090	34,340	Eff. Only								
			6/17/16	11/9/16	745,610	42,520	2.4	ND	ND	ND					
			3/20/19		793,260	47,650									
			1/21/22		823,790	30,530									
968 LaBarge Rd				03/21/02			<2.1>	ND	ND	ND					
Cathy & Robert Jacobson	JL-100		05/21/02	6/4/02	0	0	ND	ND	ND	ND					Vol.
[redacted]	Every 1 yr		03/08/04	03/29/04	146,780	146,780	Eff. Only								Vol.
	Nov./11		05/16/05	--	309,400	162,620	--								
Well: OV519			04/25/06	--	409,263	99,863	--								Vol.
			4/20/07	7/19/07	539,800	130,537	2.2	ND	ND	ND					Vol.
			4/11/08	--	729,840	190,040	--								
			10/1/08	--	763,000	33,160	--								
			11/12/09	--	952,560	189,560	--								
			3/12/10		1,021,390	68,830									
			11/5/10		1,066,050	44,660									
			11/12/12		1,573,780	507,730									
			11/13/13		1,811,340	237,560									
			11/11/14	2/16/15	1,932,120	120,780	1.5	ND	ND	ND					
			11/25/15		2,042,220	110,100									
			2/10/17	4/7/17	2,173,910	131,690	1.7	ND	ND	ND					
			4/20/18		2,258,450	84,540									
		1	11/15/19		2,347,910	89,460									
		1	6/28/21		2,426,410	78,500									
		1	7/18/22		2,458,470	32,060									

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
970 LaBarge Rd				07/18/02			<0.90>	ND	ND	ND					
Tricia & John Ziebarth	JL-100		10/02/02	10/31/02	0	0	<0.90>	ND	ND	ND					
[redacted]	Every 1 yr		03/25/04	03/31/04	75,530	75,530	Eff. Only								
	Mar./11		04/17/06	--	172,830	97,300	--								
Well: OK398			4/10/08	--	302,530	129,700	--								
			3/15/10	5/14/10	406,650	104,120	1.9	ND	ND	ND					
			4/15/11		469,030	62,380									
			7/23/12		565,300	96,270									
			4/5/13	6/24/13	626,150	60,850	Eff. Only								
			4/8/14	4/15/14	663,590	37,440	1.3	ND	ND	ND					
			3/4/19	5/7/19	842,300	178,710	1.5	ND	ND	ND	ND		-	-	
		1	4/5/21	5/21/21	1,051,360	209,060	1.3	ND	ND	ND	ND	ND	ND	ND	
		1	6/10/22	11/30/22	1,169,530	118,170	1.4	ND	ND	ND	ND	ND	-	-	
972 LaBarge Rd				11/14/02			1.4	ND	ND	ND					
Mark & Heather Langert	JL-100		01/22/03	02/07/03	0	0	1.7	ND	ND	ND					
[redacted]	Every 2 yrs		04/01/04	04/26/04	49,080	49,080	Eff. Only								
	Mar./10		04/05/06	--	138,630	89,550	--								
Well: QU661			4/8/08	9/24/08	272,190	133,560	ND	ND	ND	ND					
			11/5/09		354,040	81,850									
			4/15/11		419,920	65,880									
			4/5/13		518,820	98,900									
			4/7/16	7/22/16	672,200	153,380	1.7	ND	ND	ND					
			7/3/18		782,740	110,540									
		1	11/12/20	12/8/20	868,330	85,590	ND	ND	ND	ND	ND	ND	-	-	
			2/20/23		992,920	124,590									
973 LaBarge Road				10/28/98			3.8	<0.55>	ND	ND					
Brian Frye	JL-300		07/21/00	8/2/00	0	0	1.7	ND	ND	ND					
[redacted]	Every 2 yrs		07/18/02	07/18/02	55,118	55,118	2.1	ND	ND	ND					
	Mar./12		12/18/08	12/30/08	0	0 new meter	1.3	ND	ND	ND					
Well: MF816 (122')	JL-100		4/6/10		57,860	57,860									
			5/1/12	2/27/13	133,010	75,150	0.98	ND	ND	ND					
			3/31/14	6/16/14	223,590	90,580	Eff. Only								
			4/29/16	6/30/16	320,530	96,940	1.2	ND	ND	ND					
			8/23/18	11/1/18	411,400	90,870	Eff. Only								
		1	11/9/20	12/14/20	522,640	111,240	0.79	ND	ND	ND	ND	ND	-	-	
974 LaBarge Rd				10/28/98			1.7	ND	ND	ND					
Mike & Kristen Kjar	JL-100		01/27/99	02/25/99	0	0	1.1	ND	ND	ND					
[redacted]	Every 2 yrs		Col. and Fe	08/02/00	75,470	75,470	--	--	--	--					
	Mar./13		08/28/01	08/30/01	165,790	165,790	ND	ND	ND	ND					
			04/22/03	04/30/03	234,477	68,687	Eff. Only								
			07/13/05	07/13/05	386,480	152,003	Eff. Only								
			4/23/07	7/23/07	466,360	79,880	1.1	ND	ND	ND					Vol.
Well: MJ212			1/6/11		714,760	248,400									
			4/2/14	6/17/14	884,640	169,880	Eff. Only								
			3/27/19	5/29/19	1,218,640	334,000	0.95	ND	ND	ND	ND		ND	ND	
		1	4/5/21	7/8/21	1,311,060	92,420	0.99	ND	ND	ND	ND	ND	ND		
		1	4/5/23	9/25/23	142,480	-	ND	ND	ND	ND	ND	ND			
979 LaBarge Road				2/12/98			1.6	ND	ND	ND					
Dave & Kim Benoy	JL-100		04/28/98	6/26/98	0	0	1.7	ND	ND	ND					
[redacted]	Every 2 yrs		04/15/99	4/22/99	20,680	20,680	1.5	ND	ND	ND					
Well: LY678	Mar./10		Col.	8/2/00	53,070	32,390	--	--	--	--					
			08/21/01	08/30/01	80,770	60,090	<0.86>	ND	ND	ND					
			03/22/04	03/29/04	147,450	66,680	Eff. Only								
			07/19/05	08/09/05	189,020	41,570	Eff. Only								
			8/27/08		287,780	98,760									
			4/22/11		366,820	79,040									
			5/20/13	11/11/13	417,280	50,460	Eff. Only								
			5/23/16	1/9/17	464,170	46,890	0.78	ND	ND	ND					
			9/17/18	11/6/18	499,370	35,200	Eff. Only								
		1	11/16/20	12/21/20	524,340	24,970	0.72	ND	ND	ND	ND	ND	-	-	
		1	1/9/23	3/7/23	549,300	24,960	0.6	ND	ND	ND	ND	ND	ND	ND	

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							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
980 LaBarge Road				09/28/99			ND	ND	ND	ND					
Troy & Kim Dagastino	JL-100		12/23/99	01/26/00	0	0	2.7	ND	ND	ND					
[redacted]	Every 2 yrs		08/24/01	08/30/01	131,710	131,710	ND	ND	ND	ND					
	Mar./13		03/03/03	03/07/03	211,890	80,180	Eff. Only								
			06/30/05	07/05/05	367,270	155,380	Eff. Only								
Well: NL290			05/10/07	07/19/07	503,070	135,800	0.9	ND	ND	ND					
			1/11/11	7/25/12	799,960	296,890	0.91	ND	ND	ND					
			4/11/14		1,027,750	227,790									
			10/7/16		1,164,690	136,940									
			10/24/18		1,279,130	114,440									
		1	7/9/21		1,482,200	203,070									
983 LaBarge Road				11/07/01			ND	ND	ND	ND					
Mike & Rebecca Dejonker	JL-100		01/16/02	01/22/02	0	0	ND	ND	ND	ND					
	Every 2 yrs		03/19/04	03/29/04	487,420	487,420	Eff. Only								
	Mar./12		05/03/06	--	305,460	--	--								
			5/7/08	9/24/08	544,890	239,430	ND	ND	ND	ND					
Well: QK859			5/5/10		728,410	183,520									
LRT is no longer responsible for GACS			6/13/12	3/13/13	852,800	124,390	ND	ND	ND	ND					
987 LaBarge Road				6/26/98			1.7	ND	ND	ND					
Matthew Pevan	JL-100		10/20/98	10/28/98	0	0	1.9	ND	ND	ND					
[redacted]	Ann.		01/06/00	03/06/00	124,950	124,950	1.4	ND	ND	ND					
Well: MM204	Sept./15		08/29/00	10/5/00	209,910	84,960	<1.1>	ND	ND	ND					
			10/10/01	10/18/01	330,834	120,924	<1.1>	ND	ND	ND					Vol.
			01/11/03	01/21/03	491,060	160,226	Eff. Only								
			03/19/04	03/29/04	567,620	76,560	Eff. Only								Vol.
			03/24/05	04/19/05	825,240	257,620	Eff. Only								
			09/30/05	11/03/05	903,120	77,880	Eff. Only								
			04/11/06	--	955,620	52,500	--								
			09/26/06	--	1,035,290	79,670	--								
			4/27/07 c	5/7/07	1,087,590	52,300	0.63	ND	ND	ND					
			09/6/07	--	1,160,380	72,790	--								
			4/10/08	--	1,232,870	72,490	--								
			9/24/08	--	1,331,050	98,180	--								
			8/28/09	9/11/09	1,448,030	116,980	Eff. Only								
			3/26/10		1,522,930	74,900									
			9/23/10		1,581,160	58,230									
			10/19/11		1,694,820	113,660									
			5/7/12		1,740,230	45,410									
			11/5/12	3/6/13	1,856,650	116,420	0.63	ND	ND	ND					
			4/22/13	5/29/13	1,891,100	34,450	Eff. Only						ND	ND	
			10/25/13	1/7/14	1,976,940	85,840	Eff. Only						ND	ND	
			6/27/14		2,038,060	61,120									
			10/16/14	2/6/15	2,072,750	34,690	Eff. Only						ND	ND	
			3/15/16	3/15/16	2,143,520	70,770	0.79	ND	ND	ND					
			9/30/16	1/6/17	2,194,679	51,159	0.75	ND	ND	ND					
			5/17/17		2,213,710	19,031									Styrene
			9/4/18	11/1/18	2,256,360	42,650	Eff. Only						ND	ND	
		1	2/4/21	4/7/21	2,551,420	295,060	0.5	ND	ND	ND	ND	ND	ND	ND	
		1	4/18/22	4/22/22	2,770,920	219,500	0.59	ND	ND	ND	ND	ND			
			11/15/22		2,921,500	150,580									
		1	5/31/23	8/8/23	2,973,620	52,120	ND	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
991 LaBarge Road				4/22/99			ND	ND	ND	ND					
Richard & Diane Cristen	JL-100		07/21/99	07/29/99	0	0	ND	ND	ND	ND					
[redacted]	Every 1 yr		Col.	8/2/00	211,330	211,330	--	--	--	--					
	Mar./11		07/03/01	7/26/01	340,656	340,656	ND	ND	ND	ND					
Well: NB143			03/28/03	03/28/03	634,105	293,449	ND	ND	ND	ND					
Inf. Only			03/24/05	04/19/05	945,693	311,588	ND	ND	ND	ND					
Fe-clogged filters 11/14/06			12/12/06	--	1,228,260	282,567	--								
Trying better pre-filter			11/6/09	4/7/10	1,599,250	370,990	ND	ND	ND	ND					Vol.
			10/3/12		1,943,290	344,040									
			7/3/13		2,023,320	80,030									
			4/9/14		2,138,422	115,102									
			1/8/16		2,345,590	207,168									
			10/2/17	1/23/18	2,563,140	217,550	ND	ND	ND	ND					
LRT is no longer responsible for GACS		1	11/14/19		2,837,540	274,400									
1003 Labarge Road		-	-	12/28/2020	-	-	ND	ND	ND	ND	ND	ND	-	-	
Roy Jr. & Kelly Morris Goldbeck		-	-	6/24/2022	-	-	ND	ND	ND	ND	ND	ND	-	-	
[redacted]		-	-	9/25/2023	-	-	ND	ND	ND	ND	ND	ND	-	-	
(water is not filtered)															
Well: NB139															
1009 LaBarge Rd		-	-	6/27/2022	-	-	ND	ND	ND	ND	ND	ND	-	-	
Richard Mossong		-	-	5/22/2023	-	-	ND	ND	ND	ND	ND	ND	-	-	
[redacted]															
(water is not filtered)															
671 McCutcheon Rd				9/18/96			0.55	ND	ND	ND					
Diane Glenny	JL-100		02/12/97	2/24/97	0	0	0.80	ND	ND	ND					
[redacted]	Every 2 yrs		02/10/98	2/23/98	94,030	94,030	<0.7>	ND	ND	ND					
	April/12		03/08/99	3/25/99	186,220	92,190	1.2	ND	ND	ND					
Well: E1518			03/14/00	3/27/00	254,530	68,310	1.5	ND	ND	ND					
			02/23/01 Fe	3/7/01	313,960	59,430	1.8	ND	ND	ND					
			04/16/02	5/14/02	400,067	86,107	1.9	ND	ND	ND					
			05/15/03	05/30/03	426,238	26,171	Eff. Only								
			04/19/04	04/24/04	457,400	31,162	Eff. Only								
			04/28/06	--	530,200	72,800	--								
			7/18/08	--	597,310	67,110	--								
			5/26/10		640,560	43,250									Vol.
			7/10/12	4/9/13	694,980	54,420	1.4	ND	ND	ND					
			7/9/15		765,540	70,560									
			5/11/16		784,480	18,940									
		1	9/6/19	12/10/19	865,700	81,220	0.8	ND	ND	ND	ND	ND	ND	0.24 J	
		1	5/26/22		929,880	64,180									
677 McCutcheon Rd				9/16/96			0.83	ND	ND	ND					
Daniel & Jeannette Klasen	JL-100		07/09/97	7/23/97	0	0	0.77	ND	ND	ND					
[redacted]	Every 2 yrs		07/09/98	09/24/98	37,300	37,300	1.0	ND	ND	ND					
[redacted]	April/12		08/19/99	08/26/99	85,470	48,170	1.6	ND	ND	ND					
[redacted]			02/27/01 Fe	4/12/01	145,340	59,870	1.7	ND	ND	ND					
			04/10/03	05/01/03	225,887	80,547	Eff. Only								
Well: BM150			07/07/05	07/12/05	318,370	92,483	Eff. Only								
New Well in 4/23/10: UZ915			06/07/07	--	386,140	67,770	--								
			New Well												
			6/22/10		482,880	96,740									
			4/23/15	6/2/15	668,800	185,920	0.96	ND	ND	ND					
			3/5/19	3/27/19	785,040	116,240	0.71	ND	ND	ND	ND		ND		
			5/13/21		868,860	83,820									
			4/26/22	4/29/22	502,440		0.9	ND	ND	ND	ND	ND	ND	ND	
Has unfiltered hydrant															

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
690 McCutcheon Rd				9/24/96			ND	ND	ND	ND					
Peter & Jill Schmit	JL-100		07/02/97	7/16/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		07/17/98	8/26/98	78,960	78,960	ND	ND	ND	ND					
Well: EV021	April/09		08/19/99	08/26/99	154,690	75,730	ND	ND	ND	ND					
			Col. and Fe	8/14/00	214,715	60,025	--	--	--	--					
Inf. Only			05/18/01	7/26/01	255,490	100,800	ND	ND	ND	ND					
			04/25/03	05/01/03	392,980	137,490	ND	ND	ND	ND					
			10/11/05	04/09/06	590,690	197,710	ND	ND	ND	ND					
			7/5/07		742,390	151,700									
			10/19/11		1,086,350	343,960									
			8/1/14		1,371,230	284,880									
			7/7/16	11/10/16	1,559,990	188,760	ND	ND	ND	ND					
LRT is no longer responsible for GACS			6/9/20		1,885,930	325,940									
692 McCutcheon Rd				9/17/96			ND	ND	ND	ND					
Ludvig Blagen	JL-100		02/10/97	2/20/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		02/04/98	2/20/98	38,180	38,180	ND	ND	ND	ND					
[redacted]	April/11		03/03/99	3/25/99	76,130	37,950	ND	ND	ND	ND					
Well: KW919			Col. and Fe	8/14/00	124,778	48,648	--	--	--	--					
			05/08/01	7/12/01	149,792	73,662	<0.74>	ND	ND	ND					
			04/08/03	05/06/03	213,146	63,354	Eff. Only								
			07/13/05	08/09/05	284,620	71,474	Eff. Only								
			05/22/07	7/20/07	389,820	105,200	<0.70>	ND	ND	ND					
			7/14/09		474,370	84,550									
			5/19/11	7/25/12	572,180	97,810	0.50	ND	ND	ND					
			4/29/13	6/13/13	665,470	93,290	Eff. Only								
			4/23/15	5/14/15	750,500	85,030	0.7	ND	ND	ND					
			5/2/17	6/20/17	837,130	86,630	Eff. Only								
		1	10/14/19	11/25/19	938,010	100,880	0.69	ND	ND	ND	ND	ND	ND	ND	
		1	4/22/22	5/20/22	1,019,790	81,780	ND	ND	ND	ND	ND	ND			
		1	7/3/23	9/5/23	1,053,060	33,270	0.41 J	ND	ND	ND	ND	ND	-	-	
695 McCutcheon Rd				9/24/96			ND	ND	ND	ND					
Bruce and Nancy Sommerfeld	JL-100		03/13/97	3/19/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		03/13/98	4/20/98	96,680	96,680	<0.4>	ND	ND	ND					
[redacted]	April/09		03/16/99	3/25/99	210,130	113,450	<0.77>	ND	ND	ND					
Well: EG650 (140' bg)			03/07/00	3/27/00	335,450	125,320	<0.72>	ND	ND	ND					Vol.
			02/16/01 Fe	3/5/01	463,630	128,180	<1.1>	ND	ND	ND					
Gloria Frost-Renter			04/18/02	5/14/02	542,018	78,388	ND	ND	ND	ND					
			04/25/03	05/06/03	597,090	55,072	Eff. Only								
			07/22/05	08/09/05	715,140	118,050	Eff. Only								
			05/25/07	7/20/07	814,859	99,719	1.7	ND	ND	ND					
			5/11/11	8/2/12	1,009,480	194,621	0.77	ND	ND	ND					
			5/3/13	10/8/13	1,093,540	84,060	Eff. Only								
			5/11/15	6/30/15	1,168,570	75,030	Eff. Only								
			4/28/17	8/25/17	1,251,310	82,740	0.55	ND	ND	ND					
		1	10/7/19	10/1/19	1,326,570	75,260	0.43 J	ND	ND	ND	ND	ND	-	-	
		1	6/13/22	11/22/22	1,578,870	252,300	0.58	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule+	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
696 McCutcheon Rd				9/16/96			2.8	1.6	ND	ND					
Donald & Diane Peavey	JL-100		02/27/97	3/10/97	0	0	2.0	0.68	ND	ND					
[redacted]	Every 2 yrs			4/14/97			2.3	0.50	0.30	ND					Vol.
Well: BM149	April/12		02/24/98	2/26/98	63,590	63,590	1.5	<0.4>	ND	ND					
			03/04/99	3/25/99	108,360	44,770	1.7	ND	ND	ND					
			04/20/00	5/3/00	169,520	61,160	1.9	ND	ND	ND					
			04/25/02 Fe	5/14/02	243,802	74,282	3.5	ND	ND	ND					
			04/04/03	05/06/03	278,000	34,198	Eff. Only								
			05/04/04	05/18/04	314,440	36,440	Eff. Only								
			07/07/05	08/09/05	345,090	30,650	Eff. Only								
			05/10/06	--	369,540	24,450	--								
			06/4/07	7/20/07	412,500	42,960	2.6	ND	ND	ND					
			6/4/08	--	452,090	39,590	--								
switch to JL-100 (1/29/15)			8/25/09		510,280	58,190									
			7/13/10		537,000	26,720									
			8/2/12		558,950	21,950									
			7/30/14		645,650	86,700									
			6/27/16	9/9/16	683,320	37,670	1.9	ND	ND	ND					
			3/15/19		723,650	40,330									
			7/15/21	9/1/21	766,230	42,580	1.5	ND	ND	ND	ND	ND	ND	ND	
		1	7/18/23		812,145	45,915									
699 McCutcheon Rd				2/9/01			<0.89>	ND	ND	ND					
Bruce & Nancy Sommerfeld	JL-100		04/25/01	5/3/01	0	0	2.2	ND	ND	ND					Vol.
[redacted]	Every 1 yr		12/18/01	01/03/02	168,021	168,021	2.1	ND	ND	ND					Vol.
Well: ON750 (285 ft)	Oct./11		04/08/03	05/06/03	325,001	156,980	Eff. Only								Vol.
[redacted]			04/19/04	04/24/04	466,140	141,139	Eff. Only								
			10/05/04	10/21/04	542,700	76,560	Eff. Only								
			07/15/05	08/09/05	642,890	100,190	Eff. Only								
			04/19/06	--	735,770	92,880	--								
			11/02/06	--	830,720	94,950	--								
			5/15/07	7/20/07	894,210	63,490	1.6	ND	ND	ND					
			10/4/07	--	955,220	61,010	--								
			5/22/08	--	1,006,470	51,250	--								
			10/21/08	--	1,051,380	44,910	--								
			11/4/09		1,154,440	103,060									
			11/3/10		1,249,420	94,980									
				7/25/12	1,389,810		1	ND	ND	ND					
			10/2/12	2/27/13	1,416,620	167,200	0.87	ND	ND	ND					
			10/1/13	12/13/13	1,547,700	131,080	Eff. Only						ND	ND	
			10/16/14	1/30/15	1,673,220	125,520	Eff. Only						ND	ND	
			10/14/15	1/27/16	1,782,060	108,840	1	ND	ND	ND					
			10/14/16	12/20/16	1,937,270	155,210	1.2	ND	ND	ND					
			10/16/17	12/8/17	2,064,180	126,910	Eff. Only								
		1	11/15/19	1/13/20	2,266,540	202,360	0.89	ND	ND	ND	ND	ND	-	-	
		1	6/25/21	7/19/21	2,422,810	156,270	0.95	ND	ND	ND	ND	ND	ND	ND	
		1	6/28/22	11/22/22	2,551,270	128,460	0.58	ND	ND	ND	ND	ND	-	-	
704 McCutcheon Rd				4/15/97			2.4	0.35	0.16	ND					
Brian & Sandra Feuling	JL-300		09/09/97	9/15/97	0	0	2.2	<0.18>	ND	ND					
[redacted]	Every 2 yrs		01/19/99	2/25/99	6,410	6,410	3.3	ND	ND	ND					
	Mar./11		06/06/00 Fe	06/29/00	122,500	116,090	3.3	ND	ND	ND					
	JL-100		06/01/01	5/3/01	177,240	54,740	3.5	ND	ND	ND					
Well: FF486			03/03/03	03/07/03	265,740	88,500	Eff. Only								
			06/28/05	07/13/05	366,990	101,250	Eff. Only								
			04/26/07	--	406,860	39,870	--								Vol.
			3/23/10		609,580	202,720									
			4/17/14		794,300	184,720									
			2/28/19	4/8/19	965,240	170,940	ND	ND	ND	ND	ND				0.30J Toluene
		2	4/4/22	5/20/22	1,068,970	103,730	0.77	ND	ND	ND	ND	ND	ND		

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
712 McCutcheon Rd				9/17/96			2.9	1.5	ND	ND					
Joel Sundt	JL-300		02/26/97	3/10/97	0	0	2.8	ND	ND	ND					
[redacted]	Every 2 yrs		02/17/98	2/23/98	31,600	31,600	2.6	ND	ND	ND					
Well: BM167	Mar./11		03/02/99	3/25/99	70,120	38,520	4.1	ND	ND	ND					
			Col. and Fe	08/17/00	121,497	51,377	--	--	--	--					
	JL-100		05/10/01	7/26/01	134,500	64,380	3.8	ND	ND	ND					
			03/03/03	03/07/03	168,840	34,340	Eff. Only								
			07/05/05	07/13/05	219,350	50,510	Eff. Only								
			3/17/09	2/1/10	308,140	88,790	1.7	ND	ND	ND					
			4/17/15		388,150	80,010									
		1	9/19/21												
715 McCutcheon Rd				06/09/03			2.5	ND	ND	ND					
New Owners 2018:	JL-100		08/21/03	09/25/03	0	0	2.5	ND	ND	ND					
Brad & Cynthia Cameron	Every 2 yr				9,968,480	31,520									Vol.
[redacted]	Feb/11		07/05/05	07/12/05	9,798,250	201,750	Eff. Only								Vol.
			07/20/07	--	9,568,960	229,290	--								
Well: RM555			7/21/08	9/24/08	9,656,970	88,010	1.8	ND	ND	ND					
			3/18/10		9,913,880	86,960									
			3/18/13	3/20/13	9,962,420	48,540	1.1	ND	ND	ND					
			3/31/14		10,003,710	41,290									
			4/2/15		96,690	New meter									
			3/28/17	5/17/17	206,550	109,860	Eff. Only						ND	ND	
			3/22/18	5/29/18	260,010	53,460	Eff. Only						ND	ND	
		1	4/25/22	8/24/22	466,480	206,470	Eff. Only						ND	ND	
718 McCutcheon Rd				9/19/96			1.1	ND	ND	ND					
Cory & Alicia Oberbas	JL-100		04/01/97	4/14/97	0	0	1.3	0.18	0.14	ND					
[redacted]	Every 2 yr		02/12/99	3/25/99	83,700	83,700	2.9	ND	ND	ND					
	Mar./08		Col. and Fe	08/22/00	176,663	92,963	--	--	--	--					
			05/01/01	05/03/01	205,750	122,050	1.8	ND	ND	ND					Vol.
Well: BM265			03/07/03	03/28/03	355,920	150,170	Eff. Only								Vol.
			06/25/04	07/13/04	542,090	186,170	Eff. Only								
			02/09/06	--	644,710	102,620	--								
			04/19/07	--	712,620	67,910	--								
		1	11/18/19		1,363,420	650,800									
		1	8/1/22		1,552,380	188,960									
724 McCutcheon Rd (+Barn)				5/21/97			ND	ND	ND	ND					
Tom & Becky Bohlen	JL-100		05/06/99	6/1/99	-17,980	-17,980	2.9	ND	ND	ND					
[redacted]	Every 2 yr		Col. and Fe	08/22/00	4,617	22,597	--	--	--	--					
	Mar./12		05/01/01	5/3/01	12,400	30,380	<0.57>	ND	ND	ND					
			01/21/02	1/22/02	21,700	9,300	(Only effluent sampled)								
			02/24/03	02/28/03	86,260	64,560	Eff. Only								
Well: XX003			07/13/05	08/09/05	268,600	182,340	Eff. Only								Vol.
			8/25/08	--	555,010	286,410	--								
			5/20/10		654,460	99,450									
			5/22/12	11/19/13	762,390	107,930	1.4	ND	ND	ND					
			5/13/16	8/9/16	987,520	225,130	1.3	ND	ND	ND					
			9/20/18	11/6/18	1,117,850	130,330	Eff. Only						ND	ND	
		1	3/3/21	5/6/22	1,269,880	152,030	ND	ND	ND	ND					
		1	5/2/23	7/5/23	1,443,530	173,650	ND	ND	ND	ND	ND	ND			
725 McCutcheon Rd				07/13/04			1.8	ND	ND	ND					
Matthia & Ashley Eiserman	JL-100		09/15/04	09/28/04	0	0	3.9	ND	ND	ND					
[redacted]	Every 2 yrs		02/14/06	--	91,770	91,770	--								
	Feb./12		03/09/07	--	164,130	72,360	--								
Well: RW072			3/20/08	9/24/08	245,320	81,190	1.7	ND	ND	ND					
			3/12/10		354,180	108,860									
Previous owners:			5/7/12	3/8/13	446,000	91,820	1.3	ND	ND	ND					
Jeffrey & Debra Schwab			11/17/14	2/6/15	593,170	147,170	Eff. Only								
[redacted]			11/2/16		698,920	105,750									
			5/7/18	6/26/18	770,000	71,080	1.7	ND	ND	ND					
			6/30/20	8/4/20	864,020	94,020	1.5	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
756 McCutcheon Rd				9/20/96			1.7	ND	ND	ND					
Tyler Bonngard	JL-100		03/28/97	4/2/97	0	0	1.6	ND	ND	ND					
[redacted]	Every 2 yrs		04/24/98	5/15/98	77,580	77,580	1.8	ND	ND	ND					
	Mar./12		04/08/99	4/22/99	161,290	83,710	1.7	ND	ND	ND					
			08/22/00 Fe	08/22/00	321,340	160,050	1.3	ND	ND	ND					
			06/01/01	7/12/01	393,527	72,187	1.2	ND	ND	ND					
			03/12/03	03/28/03	503,930	110,403	Eff. Only								
Well: KK887			04/10/04	04/24/04	568,100	64,170	Eff. Only								
			05/12/05	06/16/05	637,270	69,170	Eff. Only								
			04/21/06	--	688,790	51,520	--								
			04/24/07	--	752,570	63,780	--								
			4/14/08	9/24/08	815,010	62,440	1.2	ND	ND	ND					
			3/23/10		891,510	76,500									
			5/21/12	2/4/13	967,890	76,380	1.1	ND	ND	ND					
			5/12/14	8/3/15	1,026,600	58,710	1.2	ND	ND	ND					
			4/11/16	7/25/16	1,086,910	60,310	Eff. Only								
			3/15/19	4/18/19	1,203,700	116,790	1.3	ND	ND	ND	ND		-		
		1	1/6/23		1,296,730	93,030									
757 McCutcheon Rd				9/23/96			1.9	ND	ND	ND					
Jill& Ryan Amundson	JL-100		07/09/97	7/23/97	0	0	1.8	ND	ND	ND					
[redacted]	Every 2 yrs		08/13/98	8/26/98	46,360	46,360	1.8	ND	ND	ND					
	Mar./09		08/02/99	8/26/99	89,050	42,690	1.9	ND	ND	ND					
Well: EV023			Col. and Fe	8/14/00	125,033	35,983	--	--	--	--					
			06/28/01	7/12/01	151,590	62,540	1.1	ND	ND	ND					
New owners: Jill and Ryan Graunke?			03/03/03	03/07/03	213,900	62,310	Eff. Only								
			05/20/05	06/16/05	297,580	83,680	Eff. Only								
			05/1/07	7/23/07	356,750	59,170	1.1	ND	ND	ND					
			8/14/17		819,390	462,640									
			2/14/20												
		1	6/13/22	11/14/22	1,050,140		0.98	ND	ND	NS	ND	ND	ND	ND	
758 McCutcheon Rd				09/26/96			3.2	1.2	0.43	ND					
Anthony & Jackie Beaudry	JL-100		04/09/98	4/24/98	0	0	2.6	ND	ND	ND					
[redacted]	Every 1 yr		04/29/99	6/1/99	66,680	66,680	3.2	ND	ND	ND					
[redacted]	Mar./11		Col. and Fe	8/14/00	151,145	84,465	--	--	--	--					
[redacted]			05/10/01	7/12/01	194,710	128,030	2.4	ND	ND	ND					Vol.
			04/17/03	04/30/03	336,425	141,715	Eff. Only								Vol.
Sprinkler system unfiltered			11/16/04	11/23/04	474,890	138,465	Eff. Only								
(West wall)			10/25/05	11/09/05	556,010	81,120	Eff. Only								Vol.
			04/20/07	7/20/07	691,440	135,430	1.4	ND	ND	ND					
			7/3/08	--		124,490	--								
Well: KW889			6/29/09		903,230	87,300									
			9/8/10		997,550	94,320									
			8/29/12		1,146,900	149,350									
			6/5/13	10/8/13	1,206,070	59,170	Eff. Only								
			6/30/14	12/12/14	1,298,770	92,700	Eff. Only								
			5/2/16	7/25/16	1,434,300	135,530	1.1	ND	ND	ND					
			7/26/17	8/15/17	1,527,490	93,190	1.1	ND	ND	ND					
		1	10/9/19		1,703,260	175,770									
		1	12/1/20	2/2/21	1,801,430	98,170	0.89	ND	ND	ND	ND	ND	ND	ND	
		1	5/24/22	6/24/22	1,924,360	122,930	1.1	ND	ND	ND	ND	ND	-	-	
		1	6/16/23		2,018,270	93,910									
759 McCutcheon Rd				03/26/07			3.3	ND	ND	ND					
Kevin Lallensack	JL-100		5/11/07	7/19/07	0	0	3.0	ND	ND	ND					
[redacted]	Every 1 yr		4/15/09		114,900	114,900									
Well: TK932	Mar. 11		3/15/19	11/25/19	598,830	483,930	2.2	ND	ND	ND	ND	ND	ND	ND	
		1	5/6/22		757,410	158,580									

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule*	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
763 McCutcheon Rd				9/17/96			6.0	ND	ND	ND					
Edmund & Ellen Murdzek	JL-100		03/08/97	3/19/97	0	0	5.6	ND	ND	ND					
[redacted]	Every 2 yr		03/19/98	4/20/98	79,020	79,020	4.2	ND	ND	ND					
Well: BM166	Mar./10		02/26/99	03/25/99	157,010	77,990	5.6	ND	ND	ND					
			06/08/00	06/29/00	248,900	91,890	2.9	ND	ND	ND					
Inf. and Eff.			05/01/01 Fe	5/3/01	312,290	63,390	2.0	ND	ND	ND					Vol.
			03/03/03	03/07/03	442,340	130,050	2.8	ND	ND	ND					
			06/04/04	06/15/04	541,540	99,200	2.2	ND	ND	ND					
			05/16/05	06/16/05	622,800	81,260	2.2	ND	ND	ND					
			04/21/06	--	693,890	71,090	--								
			05/18/07	--	786,820	92,930	--								
			6/16/08	--	866,630	79,810	--								
			4/17/09		914,080	47,450									
			9/26/11		1,016,400	102,320									
			5/9/14	4/26/16	1,117,100	100,700	1.2	ND	ND	ND					
			5/2/16		1,195,560	78,460									
			11/13/18	12/28/18	1,283,060	87,500	ND	ND	ND	ND					
		1	3/24/21	5/20/21	1,352,350	69,290	1.4	ND	ND	ND	ND	ND	-	-	
767 McCutcheon Rd				9/25/96			6.1	ND	ND	ND					
~~Cory Breunig~~	JL-100		04/03/97	4/14/97	0	0	5.5	0.29	0.14	ND					
[redacted]	Every 2 yrs		05/27/98	6/26/98	59,410	59,410	5.4	ND	ND	ND					
	Mar./11		04/13/99	4/22/99	117,540	58,130	6.3	ND	ND	ND					
			Col. and Fe	8/14/00	215,785	98,245	--	--	--	--					
Well: KW890				10/5/00	225,630	108,090	4.1	ND	ND	ND					Vol.
Owner:			06/28/01	7/12/01	272,850	155,310	3.8	ND	ND	ND					
Steve Lucksinger			04/16/02	5/14/02	310,736	37,886	4.5	ND	ND	ND					
[redacted]				02/20/03	343,910	33,174	Eff. Only								
			05/06/04	05/14/04	412,890	102,154	Eff. Only								
			05/11/05	06/16/05	470,010	57,120	Eff. Only								
			02/20/06	--	504,860	34,850	--								
			05/11/07	--	594,780	89,920	--								
			4/16/09		641,430	46,650									
			4/24/13		865,030	223,600									
			4/4/16		1,129,870	264,840									
			10/25/18	*2/11/21	1,319,330	189,460	1.2	ND	ND	ND	ND	ND	ND	ND	
		1	6/7/22	1/3/23	1,572,930	253,600	1.2	ND	ND	ND	ND	ND	-	-	
771 McCutcheon Rd				9/17/96			ND	ND	ND	ND					
Gale & Cynthia Zielieke	JL-100		03/10/97	3/22/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		04/16/98	4/24/98	109,700	109,700	ND	ND	ND	ND					
[redacted]	Mar./12		03/19/99	3/26/99	200,100	90,400	ND	ND	ND	ND					
Well: BM112 (Deep well)			Col. and Fe	8/2/00	336,700	136,600	--	--	--	--					
			05/15/01	7/12/01	431,980	231,880	ND	ND	ND	ND					
Inf. Only			08/20/02		558,080	126,100	Sand clogged	filter; changed	Has prefilter						
			05/01/03	--	625,370	67,290	Sand clogged	filter; changed	Upgraded prefilter						
			08/02/04	11/12/04	739,820	114,450	ND	ND	ND	ND					
			04/11/06	--	857,210	117,390	--								
			4/17/08	9/24/08	1,000,060	142,850	ND	ND	ND	ND					
			4/1/10		1,116,990	116,930									
			7/19/12		1,236,930	119,940									
			6/16/14		1,373,600	136,670	Changed out at customers request due to plugging								
			9/18/14		1,400,781	27,181									
LRT is no longer responsible for GACS			7/20/16	3/26/21	1,528,690	127,909	ND	ND	ND	ND	ND	ND			
							FILTERS REMOVED 4/29/2021								

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
775 McCutcheon Rd				9/24/96			2.7	ND	ND	ND					PCE
Joseph & Kathy Deshler	JL-100		07/11/97	7/23/97	0	0	2.7	0.52	ND	ND					PCE
[redacted]			07/09/98	7/17/98	66,210	66,210	2.5	<0.7>	<0.4>	ND					
	JL-300		09/02/99	10/28/99	156,660	90,450	3.5	<0.61>	ND	ND					Vol.
Well: BM111	Every 1 yr		08/15/00 Fe	8/17/00	229,710	73,050	2.7	<0.63>	ND	ND					
	Jan./11		02/06/01	3/5/01	258,260	28,550	2.1	<0.63>	ND	ND					
			09/13/01	10/04/01	298,370	40,110	2.5	<0.74>	ND	ND					
			07/30/02	08/27/02	354,190	55,820	2.6	ND	ND	ND					
			07/15/03	07/18/03	410,760	56,570	Eff. Only								
			02/24/04	03/29/04	447,400	36,640	Eff. Only								
			07/16/04	08/16/04	468,620	21,220	Eff. Only								
			02/25/05	03/26/05	502,680	34,060	Eff. Only								
			07/25/05	08/09/05	522,790	20,110	Eff. Only								
			02/22/06	--	547,450	24,660	--								
			01/25/07	7/19/07	592,920	45,470	2.7	ND	ND	ND					
			2/7/08	--	653,620	60,700	--								
			3/19/09	--	719,680	66,060	--								
			1/25/10		772,370	52,690									
			1/31/12	2/4/13	886,540	114,170	1.9	ND	ND	ND					
			4/22/13		955,230	68,690									
			3/10/14	4/8/14	1,006,500	51,270	Eff. Only								
			3/10/15	8/3/15	1,069,650	63,150	2.1	ND	ND	ND					
			2/24/16	5/6/16	1,120,670	51,020	Eff. Only								
			4/19/17	6/20/17	1,179,840	59,170	2.1	ND	ND	ND					
			4/19/18	5/29/18	1,229,090	49,250	Eff. Only								
			4/19/19	6/12/19	1,274,390	45,300	2	ND	ND	ND	ND	ND	ND	0.99	
				7/8/19	-	-	-	-	-	-	-	-	ND	1.1	
		1	7/26/19	7/31/19	1,282,660	-	-	-	-	-	-	-	ND	ND	
	Every 2 yrs	1	7/13/20	7/28/20	1,312,930	30,270	1.5	ND	ND	ND	ND	ND	-	-	
		1	7/15/21	8/3/21	1,335,080	22,150	1.8	ND	ND	ND	ND	ND			
		1	7/15/22	11/30/22	1,360,420	25,340	2.1	ND	ND	ND	ND	ND	ND	ND	
782 McCutcheon Rd				12/03/03			2.2	ND	ND	ND					
Jennifer & Chris Serpico	JL-100		02/03/04	02/12/04	0	0	2.3	ND	ND	ND					
[redacted]	Every 1 yr		01/31/06	--	115,420	115,420	--								Vol.
	Jan./11		1/31/08	6/9/08	309,780	194,360	1.5	ND	ND	ND					
Well: RE873			3/11/09	--	421,750	111,970	--								
			1/27/10		478,470	56,720									
				9/17/12	632,450	153,980	1.2	ND	ND	ND					
			2/13/13	3/20/13	658,420	179,950	1.3	ND	ND	ND					
			2/26/14	6/17/14	744,220	111,770	Eff. Only								
			3/10/15	5/26/15	815,560	157,140	Eff. Only								
			2/9/16		871,100	126,880									
			2/14/18	4/6/18	1,005,430	189,870	0.7	ND	ND	ND					
			2/21/19	5/7/19	1,045,920	174,820	0.34	ND	ND	ND	ND		-		
			3/27/20	6/9/20	1,098,550	93,120	0.61	ND	ND	ND	ND	ND	-		
		1	6/8/21	8/20/21	1,139,650	93,730	0.67	ND	ND	ND	ND	ND	ND	ND	
		1	4/14/22	6/10/22	1,196,340	97,790	0.81	ND	ND	ND	ND	ND			
		1	9/11/23		1,272,800	76,460									

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
783 McCutcheon Rd				9/26/96			3.6	0.65	0.33	ND					
Joseph & Denise Starkey	JL-300		07/18/97	7/23/97	0	0	3.9	0.78	ND	ND					Vol.
[redacted]	Semi-Ann.		07/21/98	8/26/98	204,080	204,080	3.5	<0.6>	<0.4>	ND					Vol.
	Jan./July		08/13/99	9/28/99	427,670	223,590	4.8	<0.86>	ND	ND					Vol.
Well: BM120			01/28/00	03/06/00	494,440	66,770	5.5	<1.00>	ND	ND					
			06/27/00 Fe	06/29/00	544,830	50,390	6.1	<1.1>	ND	ND					
			11/30/00	12/06/00	602,550	57,720	6.1	<1.1>	ND	ND					
			04/12/01	4/12/01	643,290	40,740	5.4	<1.0>	ND	ND					
			07/24/01	7/26/01	673,460	30,170	3.6	<0.71>	ND	ND					
				11/27/01	709,230	35,770									
			02/12/02	2/21/02	729,409	55,949	3.2	<0.72>	ND	ND					
			07/16/02	07/18/02	768,128	38,719	2.5	ND	ND	ND					
			09/18/02	09/26/02	788,790	20,662	Eff. Only								Vol.?
			04/11/03	05/06/03	851,283	62,493	Eff. Only								Vol.?
			10/07/03	10/30/03	921,490	70,207	Eff. Only								
			05/21/04	06/15/04	976,880	55,390	Eff. Only								
			09/27/04	11/12/04	1,015,670	38,790	Eff. Only								Vol.
			10/03/05	11/03/05	1,103,080	87,410	Eff. Only								Vol.
			09/29/06	--	1,175,220	72,140	--								
			05/24/07	--	1,214,030	38,810	--								Vol.
			11/11/09	--	1,379,010	164,980	--								
			2/16/10	4/7/10	1,390,010	11,000	1.8	ND	ND	ND					
			7/26/12		1,557,550	167,540									
			4/10/13		1,597,170	39,620									
			11/4/13		1,691,190	94,020									
			12/19/14		1,748,650	57,460									
			1/20/16		1,794,310	45,660									
			10/18/16		1,826,780	32,470									
			3/18/20	9/18/20	2,003,280	176,500	ND	ND	ND	ND	ND	ND	ND	ND	
	Annual	1	5/13/21		2,029,440	26,160									
			3/11/22		2,054,120	24,680									
		1	6/7/23		2,094,530	40,410									
786 McCutcheon Rd				9/18/96			0.72	ND	ND	ND					
Sharon & John Janssen	JL-100		03/18/97	3/22/97	0	0	0.65	ND	ND	ND					
[redacted]	Every 2 yrs		03/17/98	4/24/98	78,430	78,430	<0.5>	ND	ND	ND					
	Jan./11		04/01/99	04/22/99	138,600	60,170	ND	ND	ND	ND					
			06/20/00 Fe	06/29/00	231,180	92,580	ND	ND	ND	ND					
Well: ID990			Col.	07/26/01	298,340	67,160	--	--	--	--					
			01/25/02	01/31/02	343,059	111,879	ND	ND	ND	ND					
			02/20/04	03/29/04	593,650	250,591	ND	ND	ND	ND					
			01/31/06 c	04/26/06	773,580	179,930	<0.34>	ND	ND	ND					
			01/11/07	--	829,560	55,980	--								
			3/9/09		923,370	93,810									
			3/22/11		1,040,320	116,950									
			2/24/14	6/10/14	1,210,300	169,980	Eff. Only								
			1/27/16	4/26/16	1,331,950	121,650	ND	ND	ND	ND					
			3/15/19	4/8/19	1,490,910	158,960	1.6	ND	ND	ND	ND		-		
		1	5/19/21	6/21/21	1,567,840	76,930	0.35 J	ND	ND	ND	ND	ND	ND	ND	
		1	5/26/23		1,625,200	57,360									
794 McCutcheon Rd				9/18/96			4.1	0.99	ND	ND					
Perry & Nancy Phillips	JL-300		06/13/97	6/23/97	0	0	3.9	0.24	ND	ND					
[redacted]	Every 1 yr		06/23/98	6/26/98	41,120	41,120	3.8	0.5	ND	ND					
Well: FO582	Jan./11		06/10/99	7/8/99	89,940	48,820	4.3	ND	ND	ND					
			07/27/00 Fe	8/2/00	145,250	55,310	4.8	ND	ND	ND					
			07/31/01	10/04/01	193,940	48,690	5.3	ND	ND	ND					
			03/25/04	03/29/04	331,960	138,020	Eff. Only								Vol.
			05/18/06	--	475,890	143,930	--								Vol.
switch to JL-100			1/15/10		692,610	216,720									
			4/1/11		730,860	38,250									
			4/24/12		776,400	45,540									
		1	10/21/19		1,048,640	272,240									
JL-300		1	6/16/22		1,199,800	151,160									

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
795 McCutcheon Rd				9/24/96			7.1	1.5	ND	ND					
Eric & Alex Metz	JL-300		09/25/97	10/8/97	0	0	4.8	1.0	ND	ND					
[redacted]	Tri-annual		10/01/98	10/28/98	112,550	112,550	6.8	1.6	<0.44>	ND					
	Jan./'May'		04/13/00	4/19/00	197,230	84,680	ND	ND	ND	ND					
	Sept.		02/13/01 Fe	3/5/01	253,770	56,540	7.6	1.5	ND	ND					
			08/17/01	08/30/01	261,250	7,480	4.6	<0.77>	ND	ND					
				02/13/02	9,746,230	Meter reversed again	Now going forward								
Well: BM162			03/01/02	4/18/02	9,787,940	41,710	4.7	<0.57>	ND	ND					
			04/30/02	5/14/02	9,806,650	18,710	Effluent only								
Inf. and Eff.			10/09/02	10/31/02	9,871,280	51,140	Effluent only								
			07/11/03	07/18/03	9,950,400	79,120	4.6	ND	ND	ND					Vol.
			05/21/04	06/15/04	73,750	123,350	5.5	<0.55>	ND	ND					Vol.
			09/30/04	10/21/04	137,850	64,100	Eff. Only								
			03/03/05	04/20/05	181,360	43,510	4.6	ND	ND	ND					Vol.
			09/22/05	11/03/05	263,770	82,410	Eff. Only								
			03/09/06	--	315,880	52,110	--								
			11/07/06	--	458,410	142,530	--								
			5/16/07	--	515,860	57,450	--								
			1/23/08	--	639,790	123,930	--								
			6/30/08	--	690,550	50,760	--								
			4/16/09	--			--								
			7/24/09	--	852,200		--								
			6/8/10	--	953,590	101,390	--								
			6/10/13	--	1,031,670	78,080	--								
			6/25/15		1,124,420	92,750									
			8/18/17		1,250,120	125,700									
			1/25/19		1,329,580	79,460									
			3/25/20	8/11/20	1,459,640	130,060	ND	ND	ND	ND	ND	ND	ND	ND	
	Every 1 yr	1	12/11/20		1,476,120	16,480									
		1	9/3/21		1,525,870	49,750									
			2/25/22		1,543,000	17,130									
							FILTERS REMOVED 6/26/2023								
803 McCutcheon Rd				07/05/05			1.1	ND	ND	ND					
Amanda Milliren & Matt Byrnes	JL-100		09/30/05	11/09/05	0	0	5.7	<0.51>	ND	ND					Vol.
	Every 1 yr		03/16/07	--	111,730	111,730	--								
[redacted]	14-Feb		07/24/07	--	132,850	21,120	--								Vol.
Well: SU828			8/18/08	--	204,090	71,240	--								
			2/23/09	--	238,560	34,470	--								
			2/9/10		296,730	58,170									
			4/8/11		358,860	62,130									
			7/11/13		530,030	171,170									
				1/2/15	631,500	101,470	3.4	ND	ND	ND					
			2/10/15	3/27/15	635,770	105,740	Eff. Only						ND	ND	
			3/31/15	5/6/16	693,090	61,590	Eff. Only						ND	ND	
			4/14/17	6/20/17	744,710	108,940	2.6	ND	ND	ND					
			3/20/18	5/22/18	792,970	99,880	Eff. Only						ND	ND	
			4/4/19	5/14/19	850,730	106,020	2.2	ND	ND	ND	ND		ND	ND	
			6/2/20	7/8/20	913,950	120,980	2.2	ND	ND	ND	ND	ND	ND	ND	
			7/15/21	8/20/21	993,570	142,840	1.8	ND	ND	ND	ND	ND	ND	ND	
		1	7/12/22	11/14/22	1,058,620	144,670	1.6	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
805 McCutcheon Rd				07/13/05			3.7	ND	ND	ND					
P.O. Box 1138 (use for mailing)	JL-100		10/07/05	11/03/05	0	0	2.9	ND	ND	ND					
Ann Ross	Every 2 yrs		01/26/07	--	20,560	20,560	--								
[redacted]	Jan./11		2/25/09	--	207,090	186,530	--								
			2/5/10	2/19/10	300,020	92,930	5.3	<0.61>	ND	ND					
			2/26/12	3/20/13	474,640	174,620	2.6	ND	ND	ND					
Well: SY206			2/18/14	5/27/14	599,950	125,310	Eff. Only								
			2/20/15		675,090	75,140									
			2/4/16	4/4/16	713,710	38,620	2.1	ND	ND	ND					
			6/14/17	7/17/17	829,900	116,190	Eff. Only								
			11/1/18	11/27/18	898,980	69,080	1.7	ND	ND	ND					
		1	1/7/20	2/4/20	963,370	64,390	1.9	ND	ND	ND	ND	ND			
		1	2/8/21	3/26/21	1,036,460	73,090	1.7	ND	ND	ND	ND	ND	ND	ND	
		1	5/19/22	6/27/22	1,115,620	79,160	1.6	ND	ND	ND	ND	ND	-	-	
		1	8/15/23		1,222,490	106,870									
812 McCutcheon Rd				9/25/96			ND	ND	ND	ND					
Ronald & Loretta Raymond	JL-100		04/29/97	5/6/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		05/12/98	5/15/98	42,150	42,150	ND	ND	ND	ND					
Well: BM158 (Deep well)	Jan./12		04/15/99	4/22/99	79,770	37,620	ND	ND	ND	ND					
			Col. and Fe	8/14/00	--	--	--	--	--	--					
Inf. Only			08/23/01	10/04/01	175,660	95,890	ND	ND	ND	ND					
			02/23/04	03/25/04	277,620	101,960	ND	ND	ND	ND					
New Number? :			01/18/06 c	02/20/06	353,165	75,545	ND	ND	ND	ND					
[redacted]			1/16/08	--	438,930	85,765	--								
			1/27/10	2/19/10	518,310	79,380	ND	ND	ND	ND					
			1/25/12	2/8/13	568,530	50,220	ND	ND	ND	ND					
			2/3/14	5/8/14	612,660	44,130	ND	ND	ND	ND					
			2/24/16	1/23/17	650,170	37,510	Eff. Only								
LRT is no longer responsible for GACS			3/26/19	5/14/19	702,100	51,930	ND	ND	ND	ND	ND		-		
FILTERS REMOVED 5/5/2021															
821 McCutcheon Rd				11/09/05			3.8	ND	ND	ND					
Xao & Dee Xiong	JL-100		02/08/06	03/07/06	0	0	2.9	ND	ND	ND					
[redacted]	Every 1 yr	1	5/25/22		2,171,450	2,171,450									
	Jan./07														
Well: TB992															
832 McCutcheon Rd				9/18/96			2.3	1.2	0.27	ND					
	JL-300		07/01/97	7/3/97	0	0	2.2	0.65	ND	ND					
	Every 2 yrs		07/23/98	8/26/98	24,910	24,910	2.0	<0.4>	ND	ND					
	Jan./12		08/26/99	8/26/99	54,700	29,790	2.9	<0.61>	ND	ND					
Landlord:			Col. and Fe	8/2/00	74,730	20,030	--	--	--	--					
Marion Shaw			07/19/01	7/26/01	97,590	42,890	3.6	<0.64>	ND	ND					
[redacted]			03/11/04	03/31/04	145,360	47,770	3.0	ND	ND	ND					
			01/25/06 c	02/20/06	192,220	46,860	2.7	<0.66>	ND	ND					Vol.
Well: BM107			4/10/08	--	370,300	178,080	--								
Inf. and Eff.			2/26/09		390,570	20,270									
			3/15/17	4/11/17	685,670	295,100	ND	ND	ND	ND					
			2/8/19	2/5/19	742,850	57,180	1.6	ND	ND	ND					
840 McCutcheon Road	-		-	2/5/19	-	-	ND	ND	ND	ND					
Landlord: Marion Shaw															
(water is not filtered)															
Well: ZS539															
713 Packer Drive			-	12/8/20	-	-	ND	ND	ND	ND	ND	ND	-	-	
Robert & Mary Alice Boesel			-	7/8/22	-	-	ND	ND	ND	ND	ND	ND	-	-	
[redacted]			-	6/12/23	-	-	ND	ND	ND	ND	ND	ND	-	-	
(water is not filtered)															
Well: XX005															

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
717 Packer Drive Dan & Jodi Brunzel [redacted] (water is not filtered) Well: NB113			- -	11/25/19 5/30/23	- -	- -	0.5 ND	ND ND	ND ND	ND ND	ND ND	ND ND	- -	- -	
726 Packer Drive Timothy & Jean Ecker [redacted] (water is not filtered) Well: NL454			- -	12/8/20 6/27/22	- -	- -	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	- -	- -	
735 Packer Drive David & Jill Berger [redacted] (water is not filtered) Well: NL462			- - -	11/20/19 6/27/22 5/30/23	- - -	- - -	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	- - -	- - -	
736 Packer Drive Jon & Wanda Lohman [redacted] (water is not filtered) Well: NB127			- -	12/8/20 6/24/22 6/12/23	- - -	- - -	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	- - -	- - -	
737 Packer Drive Scott & Patricia Schoeder [redacted] (water is not filtered) Well: NL372			- -	12/14/20 6/6/23	- -	- -	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	- -	- -	
741 Packer Drive Patrick & Susan Longen [redacted] (water is not filtered)			- -	6/24/22 5/30/23	- -	- -	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	- -	- -	
757 Packer Drive Amanda & Pete Orne [redacted] (water is not filtered)			-	6/6/23	-	-	ND	ND	ND	ND	ND	ND	-	-	
761 Packer Drive Kevin Kress [redacted] (water is not filtered)			-	6/24/22	-	-	ND	ND	ND	ND	ND	ND	-	-	
763 Packer Drive John & Kathryn Whitegon [redacted] (water is not filtered)			- -	6/24/22 5/30/23	- -	- -	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	- -	- -	
767 Packer Drive Martin & Connie Pittman Rev Trust [redacted] (water is not filtered)			- -	6/27/2022 5/30/23	- -	- -	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	- -	- -	

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
703 Paul Burch Dr.				01/21/03			1.5	ND	ND	ND					
Robert & Marie Johnson	JL-100		04/02/03	06/09/03	0	0	1.6	ND	ND	ND					Vol.
[redacted]	Every 1 yr		04/15/04	09/09/04	156,790	156,790	Eff. Only								
	Mar./11		04/27/05	06/16/05	276,790	120,000	Eff. Only								Vol.
Well: QZ154			05/1/07	07/19/07	546,220	269,430	1.5	ND	ND	ND					
			4/11/08	--	657,560	111,340	--								
			5/5/09	--	751,200	93,640	--								
			3/23/10		816,790	65,590									
			3/30/12	3/6/13	859,340	42,550	1.3	ND	ND	ND					
			4/1/13	5/22/13	1,016,840	157,500	Eff. Only						ND	ND	
			8/26/13		1,076,500	59,660									
			6/16/14	11/26/14	1,144,350	67,850	Eff. Only						ND	ND	
			2/4/16	4/4/16	1,299,410	155,060	1.3	ND	ND	ND					
			5/18/17	6/20/17	1,362,950	63,540	Eff. Only						ND	ND	
			5/2/18	6/12/18	1,460,730	97,780	Eff. Only						ND	ND	
		1	8/2/19	9/20/19	1,514,460	53,730	1.3	ND	ND	ND	ND	ND	-	-	
			8/31/20	10/6/20	1,586,840	72,380	0.96	ND	ND	ND	ND	ND	-	-	
		1	10/29/21	4/29/22	1,637,370	50,530	1.5	ND	ND	ND					
704 Paul Burch Dr.				11/26/99			1.2	ND	ND	ND					
DJ Walling	JL-100		02/28/00	03/06/00	0	0	<0.59>	ND	ND	ND					
[redacted]	Every 2 yrs		09/22/00	10/05/00	102,750	102,750	<0.85>	ND	ND	ND					
	Mar./12		12/27/01	01/03/02	234,560	131,810	1.3	ND	ND	ND					
Well: NL400 (270-280' deep)			03/21/03	03/28/03	327,220	92,660	Eff. Only								
			03/15/04	03/31/04	449,110	121,890	Eff. Only								
			05/06/05	06/16/05	546,950	97,840	Eff. Only								
			04/14/06	--	632,140	85,190	--								
			05/4/07	--	779,720	147,580	--								
			4/16/08	--	775,880	?	--								
			4/12/10		902,900	127,020									
			5/15/12	4/9/13	1,019,510	116,610	1.2	ND	ND	ND					(replace gauge
			5/8/14	7/1/14	1,134,600	115,090	Eff. Only								
			4/12/16	2/28/16	1,244,790	110,190	1.1	ND	ND	ND					
			7/10/18	10/4/18	1,349,760	104,970	Eff. Only								
		1	4/5/21	6/4/21	1,450,610	100,850	0.9	ND	ND	ND	ND	ND	ND	ND	
708 Paul Burch Dr.				8/1/00			ND	ND	ND	ND					
Richard & Susan Chelstrom	JL-100		02/06/01	3/5/01	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		03/05/03	03/07/03	362,910	362,910	ND	ND	ND	ND					
	Mar./12		04/22/05	05/13/05	851,120	488,210	ND	ND	ND	ND					
Well: OA906			05/18/07	--	1,268,560	417,440	--								
			4/2/10		1,827,340	558,780									
Inf. Only			6/28/12		2,142,140	314,800									
			7/18/14	12/12/14	2,464,870	322,730	Eff. Only								
			4/25/16	7/11/16	2,704,630	239,760	ND	ND	ND	ND					
LRT is no longer responsible for GACS			11/21/18	12/31/18	3,119,620	414,990	Eff. Only								
		1	2/26/21		3,415,380	295,760									
							FILTERS REMOVED 6/7/2021								
714 Paul Burch Dr.				8/1/00			ND	ND	ND	ND					
Jeff and Maureen Waid	JL-100		10/12/00	4/12/01	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		03/21/03	03/28/03	211,910	211,910	ND	ND	ND	ND					
	Mar./12		04/15/05	05/13/05	374,590	162,680	ND	ND	ND	ND					
Well: OA907			05/11/07	--	519,360	144,770	--								
			4/29/10		738,150	218,790									
Inf. Only			5/11/12	3/20/13	868,760	130,610	ND	ND	ND	ND					
			4/25/14	6/16/14	1,015,112	146,352	Eff. Only								
			8/25/14	1/19/15	1,070,630	55,518	Eff. Only (removed one tank and installed another one due to it leaking)								
			5/20/16	6/29/16	1,162,750	92,120	ND	ND	ND	ND					
			9/6/18	11/6/18	1,300,670	137,920	Eff. Only								
LRT is no longer responsible for GACS		1	12/7/20	1/25/21	1,413,240	112,570	ND	ND	ND	ND	ND	ND	-	-	
		1	1/31/23		1,518,400	105,160									

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
718 Paul Burch Dr.				12/6/01			ND	ND	ND	ND					
Brian & Nancy Shult	JL-100		03/25/02	4/4/02	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		11/12/04	11/12/04	271,450	271,450	ND	ND	ND	ND					
	Mar./11		4/26/07	--	296,690	25,240	--								
Well: OV422			5/12/09		684,040	387,350									
			5/11/12	3/27/13	848,630	164,590	ND	ND	ND	ND					
Inf. Only			5/8/14		950,620	101,990									
			4/13/16	6/30/16	1,090,800	140,180	ND	ND	ND	ND					
			9/4/18		1,220,790	129,990									
LRT is no longer responsible for GACS		1	11/13/20		1,301,760	80,970									
721 Paul Burch Dr.				03/10/00			ND	ND	ND	ND					
Mike & Hong Nelson	JL-100		08/15/00	08/21/00	0	no meter	ND	ND	ND	ND					
[redacted]	Every 2 yrs			4/11/01	0	0	Meter Installed	--	--	--					
	Mar./11		04/01/03	04/30/03	125,840	125,840	Eff. Only								
Well: WL348			05/06/05	06/16/05	240,990	115,150	Eff. Only								
			05/15/07	9/24/08	358,310	117,320	ND	ND	ND	ND					
Hydrant by A/C unfiltered			10/9/09		484,070	125,760									
			7/3/14	6/26/15	685,800	201,730	ND	ND	ND	ND					
			4/14/16	7/25/16	724,660	38,860	Eff. Only								
			9/4/18	10/15/18	850,650	125,990	Eff. Only								
LRT is no longer responsible for GACS		1	12/8/20	1/25/21	944,110	93,460	ND	ND	ND	ND	ND	ND	-	-	
725 Paul Burch Dr.				06/04/02			ND	ND	ND	ND					
Tony & Jennifer Struemke	JL-100		10/09/02	10/31/02	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		06/07/05	--	342,650	342,650	--								
	Mar./11		05/8/07	--	497,920	155,270	--								
			5/29/09	2/19/10	687,230	189,310	ND	ND	ND	ND					
Well: OV583			9/13/11		906,130	218,900									
			4/12/13		1,027,320	121,190									
			11/4/15	2/5/16	1,278,380	251,060	ND	ND	ND	ND					
LRT is no longer responsible for GACS			10/31/18	6/26/19	1,521,970	243,590	ND	ND	ND	ND	ND	1.0 J	-		
728 Paul Burch Dr.				10/04/01			1.8	ND	ND	ND					
Rick Norris	JL-100		12/11/01	12/20/01	0	0	1.6	ND	ND	ND					
[redacted]	Every 1 yr		03/12/03	03/28/03	78,440	78,440	Eff. Only								Vol.
	Mar./11		04/27/05	06/16/05	291,950	213,510	Eff. Only								
Well: OV421			04/17/06	--	396,310	104,360	--								
			4/19/07	7/23/07	504,700	108,390	0.86	ND	ND	ND					
			4/17/08	--	595,940	91,240	--								
			5/26/09	--	690,260	94,320	--								
			4/1/10		777,110	86,850									
			6/6/13		1,036,880	259,770									
			1/12/16		1,265,360	228,480									
			10/16/18		1,327,960	62,600									
		1	3/29/21		1196800?										
		1	9/13/22		1,453,500										
729 Paul Burch Dr.				11/18/99			ND	ND	ND	ND					
Rental Property, 2 units, same address	JL-100		04/11/00	4/19/00	0	0	ND	ND	ND	ND					
Both units share GACs	Every 2 yrs		03/22/02	04/04/02	122,276	122,276	ND	ND	ND	ND					
Renter:	Mar./12		03/18/04	03/31/04	310,000	187,724	Eff. Only								
Chris Pauliek			04/07/06	--	466,020	156,020	--								
[redacted]			4/28/08	--	549,850	83,830	--								
Bohlen Properties LLC:			3/16/10	4/7/10	561,380	11,530	<0.32>	ND	ND	ND					
Tom Bohlen			10/8/13	11/25/13	561,380	(needs meter replaced)	Eff. Only								
Well: NP186			4/7/16	-	98,520	98520									
LRT is no longer responsible for GACS			4/7/16	10/21/20	-	-	ND	ND	ND	ND	ND	ND	ND	ND	
		2	12/2/20	-	302,150	203,630	-	-	-	-	-	-	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
665 Pine Timber Lane				12/08/04			ND	ND	ND	ND					
Amy & Michael O'Donnell	JL-100		02/23/05	03/07/05	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		11/21/07	--	342,020	342,020	--								
	Feb./12		2/19/10		420,360	78,340									
Well: SK716			3/23/12	3/20/13	494,340	73,980	1.0	ND	ND	ND					
			3/9/15	5/14/15	599,360	105,020	Eff. Only								
			9/6/17		718,250	118,890									
				9/26/17	719,510	1,260	1.4	ND	ND	ND					
			4/9/19	6/12/19	823,456	103,946	1.0	ND	ND	ND	ND		-		
		1	4/18/22	5/11/22	920,120	96,664	ND	ND	ND	ND					
		1	4/3/23		962,610	42,490									
Irrig. System, spigots bypassed															
667 Pine Timber Lane				02/19/07			1.9	ND	ND	ND					
Jeremy & Traci Wolfe	JL-100		03/20/07	7/20/07	0	0	1.7	ND	ND	ND					
[redacted]	Every 1 yr		4/3/08		145,980	145,980									
	Feb./09		8/23/12		746,740	600,760									
Well: TW617			3/21/13	3/27/13	812,840	66,100	1.1	ND	ND	ND					
			9/13/13		875,510	62,670									
			2/25/14		954,280	78,770									
			9/30/14		1,039,380	85,100									
			3/26/15	6/10/15	1,097,430	58,050	Eff. Only								
			9/16/16		1,283,290	185,860									
			4/6/17	5/8/17	1,331,600	48,310	1.3	ND	ND	ND					
			11/26/18		1,569,800	238,200									
			6/13/19		1,614,730	44,930									
		1	9/30/20	10/6/20	1,754,740	140,010	1.1	ND	ND	ND	ND	ND	-	-	
		1	6/7/21		1,821,330	66,590									
		1	7/26/22	11/14/22	1,953,680	132,350	1.1	ND	ND	ND	ND	ND	ND	ND	
		1	3/3/23	5/16/23	2,063,670	109,990	1.2	ND	ND	ND	ND	ND	-	-	
668 Pine Timber Lane				08/31/05			ND	ND	ND	ND					PCE
David & Pamela Hofer	JL-100		11/28/05	12/14/05	0	0	2.6	<0.55>	ND	ND					PCE
[redacted]			--	07/31/06			3.2	<0.62>	ND	ND					
[redacted]			11/02/06	--	67,690	67,690	--								Vol.
Well: SR953	JL-300		03/23/07	--	312,110	244,420	--								Vol.
	Semi-Ann.		09/26/07	--	512,030	199,920	--								Vol.
	Feb./Aug.		3/19/08	--	674,140	162,110	--								
Irrig. System			10/16/08	--	712,780	38,640	--								
			11/18/09		794,170	81,390									Vol.
			8/24/10		860,360	66,190									
			10/4/11		943,130	82,770									Vol.
			6/29/12		1,010,460	67,330									
			2/24/14		1,387,800	377,340									
			8/29/17		?										
			2/20/20												
		1	9/13/21		1,655,630										
		1	5/23/22	7/14/22	1,698,920	43,290	2.4	ND	ND	ND	ND	ND	ND	ND	
			11/1/22	1/27/23	1,736,787	37,867	2.3	ND	ND	ND	ND	ND	-	-	
670 Pine Timber Lane				03/02/06			3.6	ND	ND	ND					
Mark Packard- New owner 5/18	JL-100		04/18/06	--	0	0	--								PCE
[redacted]	Every 1 yr		10/7/09	2/19/10	168,370	168,370	5.2	<0.59>	ND	ND					
	Feb./11		5/14/14		344,460	176,090									
Well: TB964			4/11/16		422,420	77,960									
			5/17/18	5/22/18	487,860	65,440	3.3	ND	ND	ND					
			-	11/25/19	-	-	3.4	ND	ND	ND	ND	ND	ND	ND	
		1	12/6/19	-	567,680	79,820	-	-	-	-	-	-	-	-	
		1	4/19/21	5/24/21	644,840	77,160	2.7	ND	ND	ND	ND	ND	ND	ND	
		1	6/1/22	11/30/22	724,840	80,000	3.4	ND	ND	ND	ND	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
671 Pine Timber Lane				9/3/14			1.5	ND	ND	ND					
Tyrone & Raquel Beucler	JL-100		9/20/14	10/9/14	596,690	596,690	1.3	ND	ND	ND					
[redacted]	Every 1 yr		7/22/16	11/10/16	682,460	85,770	1.4	ND	ND	ND					
	Sept/15		6/26/17	8/15/17	734,200	51,740	Eff. only								
			8/14/18	10/4/18	803,360	69,160	1.1	ND	ND	ND					
		1	6/14/21		1,030,220	226,860									
Well: XK279		1	7/15/21	7/19/21	1,042,530	12,310	1.2	ND	ND	ND	ND	ND	ND	ND	
		1	7/18/22		1,169,490	126,960									
		1	8/3/22	11/14/22	1,178,030	8,540	1.5	ND	ND	ND	ND	ND	-	-	
672 Pine Timber Lane				07/31/06			3.3	0.66	ND	ND					
Amy & Tim Jaynes	JL-300		10/13/06	--	0	0	--								
[redacted]	Every 1 yr		10/9/09		247,090	247,090									
[redacted]	Mar./10		3/11/11		345,980	98,890									
Old Well: TJ455			4/5/12	3/8/13	410,340	64,360	3.6	ND	ND	ND					
New Well: YB462 6/2017			4/18/14		517,170	106,830									
			3/19/15		570,030	52,860									
			4/8/16	11/21/16	668,590	98,560	3.9	ND	ND	ND					
	New Well			6/26/17	699,040	30,450	ND	ND	ND	ND					
	JL-100		3/13/18		742,840	43,800									
			6/12/19	7/2/19	821,130	78,290	ND	ND	ND	ND	ND	1.3 J	ND	ND	
		1	7/28/21		38900?										
		1	7/13/22	6/12/23	1,085,560		ND	ND	ND	ND	ND	ND	ND	ND	
674 Pine Timber Lane				3/9/10			2.3	ND	ND	ND					
Chris Wiesemeyer	JL-100		5/12/10		0	0									
[redacted]	Every 1 yr		5/3/11		87,690	87,690									
	Feb./11		6/13/12	2/27/13	206,090	118,400	1.5	ND	ND	ND					
Well: VA844			5/8/13	9/11/13	365,230	159,140	Eff. Only								
			6/27/14	11/26/14	531,720	166,490	Eff. Only								
New owner: Matt Jefferis			5/17/16	6/30/16	689,870	158,150	1.5	ND	ND	ND					
[redacted]			5/22/17	6/20/17	774,370	84,500	Eff. Only								
[redacted]		1	8/14/19	9/20/19	1,038,060	263,690	1.5	ND	ND	ND	ND	ND	-	-	
		1	6/17/21	6/29/21	1,187,620	149,560	1.4	ND	ND	ND	ND	ND	ND	ND	
		1	7/12/22	12/20/22	1,263,170	75,550	1.2	ND	ND	ND	ND	ND	-	-	
676 Pine Timber Lane				08/13/07			1.6	ND	ND	ND					
Derek & Christi Nelson	JL-100		9/26/07		0	0									
[redacted]	Every 2 yrs		2/17/09	--	101,020	101,020	--								
[redacted]	Feb./11		1/22/10		178,320	77,300									
[redacted]			2/15/13	3/6/13	447,979	269,659	3.3	ND	ND	ND					
			2/6/14	5/14/14	532,620	84,641	Eff. Only								
Well: UJ889			7/30/14	12/12/14	586,290	53,670	Eff. Only								
			3/10/15		615,680	29,390									
			1/29/16	4/26/16	657,900	42,220	3.1	ND	ND	ND					
			3/28/18	6/26/18	768,630	110,730	Eff. Only								
			2/13/19	5/7/19	831,880	63,250	1.6	ND	ND	ND	ND		-		
		2	3/4/20	-	923,550	91,670									
		1	3/9/20	7/8/20	-	-	1.7	ND	ND	ND	ND	ND	ND	ND	
		1	3/7/22	4/22/22	1,029,280		1.7	ND	ND	ND	ND	ND			
678 Pine Timber Lane				2/9/09			2.8	ND	ND	ND					
Patrick & Diana Sura	JL-100		3/24/09		0	0									
[redacted]	Every 1 yr			8/28/20	553,980	-	1.5	ND	ND	ND	ND	ND	ND	0.21 J	
	Feb./11	2	9/28/20	-	557,480	557,480	-	-	-	-	-	-	-	-	
Well: UL980			6/27/22	7/8/22	656,750	99,270	1.4	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
679 Pine Timber Lane				09/27/05			3.8	ND	ND	ND					PCE
Brian Healy	JL-100		12/12/05	12/14/05	0	0	4.4	<0.73>	ND	ND					PCE
[redacted]	Ever 1 yr		--	07/31/06			3.7	<0.72>	ND	ND					
	Aug.		11/02/06	--	166,770	166,770	--								
Well: TC427			03/23/07	--	187,170	20,400	--								Vol.
			08/7/07	--	319,050	131,880	--								
			2/27/08	--	358,920	39,870	--								
			10/6/08	--	483,800	124,880	--								Vol.
			9/10/09	--	614,530	130,730	--								
			3/8/10		648,470	33,940									Vol.
			9/15/10		734,130	85,660									
			9/5/12	3/6/13	1,057,250	323,120	3.7	ND	ND	ND					
			8/21/13	12/18/13	1,127,800	70,550	Eff. Only								
			6/6/14	11/26/14	1,226,430	98,630	Eff. Only								
			3/19/15	9/3/15	1,277,320	50,890	3.2	0.37	ND	ND					
			3/28/16	5/12/16	1,354,600	77,280	Eff. Only								
			9/9/16	11/30/16	1,395,820	41,220	3.4	ND	ND	ND					
			3/20/17		1,422,080	26,260									
			8/18/17		1,460,070	37,990									
			10/29/18	11/27/18	1,547,510	87,440	3.1	ND	ND	ND	0.48 J				
		1	9/19/19	10/25/19	1,604,580	57,070	2.8	ND	ND	ND	ND	ND	ND	ND	
		1	7/9/21	8/20/21	1,754,940	150,360	2.8	ND	ND	ND	ND	ND	ND	ND	
		1	9/8/22		1,925,390	170,450									
681 Pine Timber Lane				03/20/05			3.1	ND	ND	ND					
Neil & Kristen Hatfield	JL-100		05/20/05	08/09/05	0	0	3.3	ND	ND	ND					
[redacted]	Every 1 yr		5/1/07	--	143,710	105,110	--								Vol.
	Feb./11		4/21/10		423,540	279,830									
Well: SK787			3/8/13	6/18/13	551,230	127,690	Eff. Only								
			7/8/14		637,630	86,400									
			3/5/15	7/21/15	741,500	103,870	1.9	ND	ND	ND					
			3/25/16	7/22/16	848,930	107,430	Eff. Only								
			6/20/17		962,270	113,340									
			5/2/18	6/29/18	1,031,370	69,100	ND	ND	ND	ND					
			6/3/20	7/8/20	1,243,500	212,130	1.7	ND	ND	ND	ND	ND	-	-	
			11/15/21	6/10/22	1,395,880	152,380	2.1	ND	ND	ND	ND	ND	-	#DIV/0!	
							FILTERS REMOVED 6/13/2023								
682 Pine Timber Lane				08/18/05			ND	ND	ND	ND					
Sean & Nicole Hopp	JL-100		10/31/05	11/09/05	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		3/7/08		19,840	19,840									Vol.
	Feb./12		2/16/10		502,660	482,820									
Well: SN427			3/16/12	3/8/13	869,460	366,800	1.3	ND	ND	ND					
			3/3/14	7/10/14	1,015,380	145,920	Eff. Only								
			10/15/15		1,193,600	178,220									
			5/13/16		1,238,400	44,800									
			1/19/18		1,359,190	120,790									
			6/18/19		1,491,350	132,160									
		1	5/4/21		1,620,440	129,090									
		1	4/19/23		1,735,450	115,010									
684 Pine Timber Lane				01/8/08			3.9	ND	ND	ND					
Tiffany Wolfe (New owner 2/23)	JL-100		3/14/08		0	0		ND	ND	ND					
	Every 2 yrs		10/19/11		435,000	435,000									
	Feb./10		4/21/15		770,610	335,610									
Previous Owner: Joe Scuderi			5/20/19		1,106,050	335,440									
[redacted]		1	9/15/20	9/18/20	1,167,910	61,860	1.4	ND	ND	ND	ND	ND	ND	ND	
Well: UL930			2/6/23		1,297,730	129,820									
							FILTERS REMOVED 9/28/2023								

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
693 Pine Timber Lane				11/23/04			2.8	ND	ND	ND					
Timothy & Vicki Hieb	JL-100		02/25/05	03/11/05	0	0	2.6	ND	ND	ND					
[redacted]	Every 2 yr		03/08/06	--	96,200	96,200	--								
	11-Apr		03/20/07	--	200,600	104,400	--								
			4/3/08	--	283,340	82,740	--								
			5/18/09	--	363,040	79,700	--								
Well: SK719			4/27/10		432,610	69,570									Vol.
			4/9/12		565,000	132,390									
			5/28/14		700,410	135,410									
			6/7/16		843,850	143,440									
			7/21/16	8/24/16	tank broke,	replaced H2O softner	0.9	ND	ND	ND					
			11/10/17		925,510	81,660									
			12/11/18	5/7/19	981,880	56,370	1.3	ND	ND	ND	ND		ND	ND	
		1	12/8/20	5/5/21	1,035,290	53,410	1.1	ND	ND	ND	ND	ND	-	-	
		1	7/28/22	8/24/22	1,076,320	41,030	1.2	ND	ND	ND	ND	ND	ND	1.3	
				3/7/23			1.3	ND	ND	ND	ND	ND	ND	ND	
		1	7/27/23	9/5/23	1,108,150	31,830	1.2	ND	ND	ND	ND	ND	ND	ND	
695 Pine Timber Lane				02/26/05			1.3	ND	ND	ND					
Patrick & Christine Leopold	JL-100		05/13/05	08/09/05	0	0	1.2	ND	ND	ND					
[redacted]	Every 2 yr		05/23/06	--	109,490	109,490	--								
	Feb./14		09/20/06	--	154,900	45,410	--								
Well: SN453			11/7/07	--	254,570	99,670	--								
			11/7/08	--	299,870	45,300	--								
			1/22/10	2/19/10	371,290	71,420	1.1	ND	ND	ND					
			5/11/12		468,710	97,420									
			3/6/14		547,800	79,090									
			9/17/15		608,400	60,600									
			11/21/17		690,220	81,820									
		1	2/19/21		790,160	99,940									
		1	9/11/23		868,020	77,860									
Must Call First															
697 Pine Timber Lane				07/05/05			1.1	ND	ND	ND					
Kurt & Angie Koebler	JL-100		10/18/05	11/03/05	0	0	0.81	ND	ND	ND					Vol.
[redacted]	Every 2 yrs		03/09/07	--	175,240	175,240	--								
	Feb./12		4/15/08	--	248,590	73,350	--								
			2/18/10		353,300	104,710									
Well: ST552			5/4/12	9/17/12	474,420	121,120	1.2	ND	ND	ND					
			4/1/14	6/17/14	614,620	140,200	Eff. Only								
			4/3/15		681,000	66,380									
			3/31/16	5/12/16	724,696	43,696	1.1	ND	ND	ND					
			4/6/17		776,090	51,394									
			3/22/18	6/26/18	822,670	46,580	Eff. Only								
			4/24/19	6/12/19	876,320	53,650	1	ND	ND	ND	ND		-		
		1	5/28/20	7/8/20	926,600	50,280	0.79	ND	ND	ND	ND	ND	ND	ND	
		1	7/22/21	5/11/22	1,000,740	74,140	0.8	ND	ND	ND	ND				
698 Pine Timber Lane				02/19/07			0.57	ND	ND	ND					
Kenneth & Beverly Heutmaker	JL-100		03/21/07	7/20/07	0	0	2.8	ND	ND	ND					Vol.
[redacted]	Every 1 yr		2/9/10		278,130	278,130									Vol.
	Feb./11		6/6/12	8/7/12	464,260	186,130	1.8	ND	ND	ND					
Well: UD103			5/23/13		549,950	85,690									
			3/9/15		713,390	163,440									
			4/13/16		788,070	74,680									
			4/21/17		857,750	69,680									
			4/12/18		923,610	65,860									
		1	8/2/19	11/20/19	1,014,810	91,200	1.6	ND	ND	ND	ND	ND	ND	ND	
		1	11/24/20	2/2/21	1,086,810	72,000	0.99	ND	ND	ND	ND	ND	-	-	
		1	5/2/22	5/11/22	1,154,210	67,400	0.99	ND	ND	ND					
		1	5/23/23	7/5/23	1,209,710	55,500	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
856 Polen Dr.				03/25/99			ND	ND	ND	ND					
Martin & Carole Phillipson	JL-100		06/08/99	07/08/99	0	0	<0.65>	ND	ND	ND					Vol.
	Every 1 yr		12/28/00	12/28/00	170,020	170,020	<0.70>	ND	ND	ND					Vol.
	Jan./11		01/21/02	01/22/02	330,020	160,000	<0.65>	ND	ND	ND					
[redacted]			01/15/03	01/31/03	444,200	114,180	Eff. Only								
Well: LB285			07/17/03	07/18/03	521,060	76,860	Eff. Only								Vol.?
			07/14/04	08/16/04	654,540	133,480	Eff. Only								
			01/20/05	03/15/05	716,296	61,756	Eff. Only								
			09/30/05	11/03/05	810,780	94,484	Eff. Only								
			07/18/06	--	907,100	96,320	--								
			01/12/07	7/20/07	957,880	50,780	<0.28>	ND	ND	ND					
			5/29/09		1,229,280	271,400									
			1/30/13	2/8/13	1,530,770	301,490	ND	ND	ND	ND					
			2/5/14	5/14/14	1,600,220	69,450	Eff. Only								
			1/21/15	3/27/15	1,656,130	55,910	Eff. Only								
			3/13/18		1,900,490	244,360									
			4/4/19		2,028,030	127,540									
			2/28/20	8/26/20	2,242,360	214,330	0.25 J	ND	ND	ND	ND	ND	-	-	
		1	5/13/21		2,401,600	159,240									
			11/4/22	12/20/22	2,595,020	193,420	ND	ND	ND	ND	ND	ND	ND	ND	
							FILTERS REMOVED 10/27/2023								
939 Pup Circle				08/18/05			3.4	ND	ND	ND					
Mary & Craig Knutson	JL-100		10/31/05	11/09/05	0	0	2.3	ND	ND	ND					
[redacted]	Every 2 yr		3/19/08	--	122,530	122,530	--								Vol.
	Feb./11		3/16/10		359,820	237,290									
			3/29/12	3/13/13	856,530	496,710	ND	ND	ND	ND					
Well: SK733			3/3/14		1,035,250	178,720									
			3/5/15		1,162,880	127,630									
			3/28/16		1,234,350	71,470									
			4/21/17		1,315,730	81,380									
			5/4/18		1,374,680	58,950									
			7/13/20	8/4/20	1,485,430	110,750	1.1	ND	ND	ND	ND	0.41 J	ND	ND	
		1	7/28/21	8/20/21	1,570,220	84,790	0.76	ND	ND	ND	ND	ND			
		1	7/26/22	11/14/22	1,632,220	62,000	0.75	ND	ND	ND	ND	ND	-	-	
							FILTERS REMOVED 8/23/2023								
940 Pup Circle				02/27/05			1.6	ND	ND	ND					
Chris Dove	JL-100		05/23/05	08/09/05	0	0	3	ND	ND	ND					Vol.
[redacted]	Every 1 yr		08/30/05	08/31/05	135,470	135,470	Eff. Only								
	Feb./12		02/23/06	--	193,010	57,540	--								
Well: SK717			03/23/07	--	485,670	292,660	--								
			4/7/08	--	625,240	139,570	--								
			9/26/08	--	668,840	43,600	--								
			4/16/10		782,120	95,320									
			3/29/12		932,550	150,430									
			4/11/14	6/17/14	1,068,490	135,940	Eff. Only								
			4/13/16		1,272,610	204,120									
			1/30/19	3/27/19	1,573,800	301,190	1.1	ND	ND	ND	ND		-		
			7/13/20		1,683,770	109,970									
		1	4/8/22		1,912,100	228,330									
941 Pup Circle				11/03/05			3.5	ND	ND	ND					
Jim & Judy Reams (New Owner 2023)	JL-100		12/28/05	03/09/06	0	0	3.3	ND	ND	ND					
[redacted]	Every 2 yrs		3/27/08	6/9/08	61,240	61,240	Eff. Only	ND	ND	ND					
Former Owners:	Feb./12		2/10/10	4/7/10	173,220	54,000	2.8								
David & Cheryl Jorgensen				7/25/12	181,420	8,200	2.2	ND	ND	ND					
[redacted]		2	6/2/15	7/21/15	233,550	60,330	2.5	ND	ND	ND					
Well: SX821		1	7/13/20	8/11/20	500,450	319,030	1.8	ND	ND	ND	ND	ND	ND	ND	
Front spigot is softened		1	9/8/22		540,980	40,530									
		1	6/26/23	9/5/23	553,600	12,620	1.3	ND	ND	ND	ND	ND	ND	ND	
Sprinkler system bypass--under porch															

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
942 Pup Circle				08/31/05			3.3	ND	ND	ND					
New Owners (6/2020):	JL-100		12/27/05	03/09/06	0	0	3.7	ND	ND	ND					Vol.
Steve & Kathy Krinke	Every 1 yr		03/13/07	--	194,710	194,710	--								
[redacted]	Feb./11		5/7/08	--	280,940	86,230	--								Vol.
			2/18/10	4/7/10	418,190	137,250	3.3	ND	ND	ND					
Well: SX819			3/20/12	3/13/13	585,510	167,320	2.8	ND	ND	ND					
			2/27/14	5/8/14	744,620	159,110	Eff. Only								
Previous Owners:			3/5/15	6/2/15	833,270	88,650	Eff. Only								
Fran & Angie McLellan			3/21/16	1/6/17	905,830	72,560	2	ND	ND	ND					
[redacted]			4/5/17		977,870	72,040									
			4/9/18	5/22/18	1,056,240	78,370	2.6	ND	ND	ND					
		1	5/13/20	5/14/20	1,184,200	127,960	2	ND	ND	ND	ND	ND	ND	ND	
		1	6/4/21		1,241,600	57,400									
		1	6/27/22	11/14/22	1,294,760	53,160	1.5	ND	ND	ND	ND	ND	ND	ND	
		1	6/29/23		1,328,150	33,390									
925 Sadie's Lane				05/15/06			4.3	ND	ND	ND					
Todd & Amy Hess	JL-100		06/28/06		0	0									
[redacted]	Every 1 yr		10/4/07	--	122,220	122,220	--								Vol.
	Jan./11		2/10/09	--	318,600	196,380	--								
Well: TJ430			1/25/10	2/19/10	406,040	87,440	5.7	ND	ND	ND					
			1/28/13	3/7/13	705,720	299,680	4.0	ND	ND	ND					
			1/29/14	2/11/14	792,820	87,100	Eff. Only								
			2/19/15	3/13/15	849,760	56,940	3.3	ND	ND	ND					
			2/11/16	2/3/17	920,120	70,360	3.4	ND	ND	ND					
			2/8/17	3/24/17	935,620	15,500	2.8	ND	ND	ND					
			2/21/18	4/30/18	1,026,240	90,620	2.5	ND	ND	ND					
			2/8/19	3/14/19	1,068,680	42,440	2.4	ND	ND	ND	ND				
			2/18/20		-	-									
	Every 2 yrs	1	3/4/21	3/26/21	1,190,060	-	2.3	ND	ND	ND	ND	ND	ND	ND	
		1	9/18/23		1,318,230	128,170									
926 Sadie's Lane				03/26/07			6.3	ND	ND	ND					
Greg Romig	JL-100		5/11/07	--	0	0	--								
[redacted]	Every 2 yrs		6/23/08	--	42,260	42,260	--								
	Jan./12		1/29/10		111,380	69,120									
Well: UA854			1/28/13	3/13/13	351,980	240,600	4.8	ND	ND	ND					
			2/23/15	4/16/15	574,930	222,950	Eff. Only								
			1/28/16	4/11/16	672,830	97,900	2.3	ND	ND	ND					
			2/21/18	4/6/18	858,810	185,980	Eff. Only								
			2/28/20												
			2/18/22	4/29/22	1,181,470	322,660	1.6	ND	ND	ND	ND	ND	ND	ND	
933 Sadie's Lane				03/26/07			5.7	ND	ND	ND					
Josh & Amy Pals	JL-100		5/17/07	7/20/07	0	0	4.6	ND	ND	ND					Vol.
[redacted]	Every 1 yr		1/25/10		263,190	263,190									
	Jan. 11		3/16/12		405,210	142,020									
			2/18/13	3/6/13	476,820	71,610	4.2	ND	ND	ND					
Well: TW524			2/17/14		570,470	93,650									
			2/16/15	4/16/15	630,190	59,720	Eff. Only						ND	ND	
			2/22/17	3/22/17	743,620	113,430	2.1	ND	ND	ND					
			2/19/18	6/26/18	796,430	52,810	2.2	ND	ND	ND					
			2/27/19		857,960	61,530									
		1	4/12/21		983,790	125,830									
			3/28/22	4/29/22	1,046,860	63,070	1.7	ND	ND	ND	ND	ND	ND	ND	
		1	4/7/23	6/6/23	1,115,530	68,670	1.3	ND	ND	ND	ND	ND	-	-	

TABLE 12
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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
937 Sadie's Lane				8/9/05			4.4	ND	ND	ND					
Josh Schommer	JL-100		10/07/05	11/03/05	0	0	4.6	ND	ND	ND					
[redacted]	Every 1 yr		6/19/07	--	127,730	127,730	--								
	Jan./09		4/8/08		229,960	102,230									
Well: SY232			2/15/13		873,130	643,170									
			2/7/14		1,001,940	128,810									
			2/12/15	6/17/15	1,081,720	79,780	3.3	ND	ND	ND					
			2/8/17		1,245,240	163,520									
			5/4/18	7/10/18	1,345,210	99,970	2.5	ND	ND	ND					
			2/13/19	3/20/19	1,426,200	80,990	1.9	ND	ND	ND	ND		ND		
			3/25/20												
		1	4/6/21	5/21/21	1,541,940	115,740	1.6	ND	ND	ND	ND	ND	-	-	
			3/25/22		1,644,290	102,350									
		1	4/17/23		1,705,550	61,260									
940 Sadie's Lane				10/11/06			5.2	ND	ND	ND					
Scott & Tammy Bjork	JL-100		12/12/06		0	0									
[redacted]	Every 1 yr		4/22/08	--	92,710	92,710	--								
	Jan./11		2/16/09	--	175,650	82,940	--								
Well: TM654			2/11/10	11/24/10	261,680	86,030	5.5	ND	ND	ND					Vol.
			4/22/11		322,180	60,500									
			2/17/14	5/14/14	500,940	178,760	Eff. Only								
			3/15/16	7/22/16	625,460	124,520	3.3	ND	ND	ND					
			3/8/18	6/29/18	753,790	128,330	Eff. Only								
			3/27/20	6/9/20	903,430	149,640	2.1	ND	ND	ND	ND	ND	ND	ND	
			3/22/22	5/26/22	1,009,070	105,640	1.7	ND	ND	ND					
		1	5/23/23	7/5/23	1,063,720	54,650	1.8	ND	ND	ND	ND	ND			
941 Sadies Lane				06/28/06			6.0	ND	ND	ND					
Cara Noren	JL-100		08/09/06		0	0									Vol.
[redacted]	Every 1 yr		9/24/08	--	438,710	438,710	--								Vol.
	July/15		2/16/10		765,920	327,210									
Well: TJ435				7/25/12	1,494,660		4.0	ND	ND	ND					
[redacted]			9/28/12		1,635,270	869,350									
			2/25/13	3/6/13	1,669,080	33,810	4.3	ND	ND	ND					
			10/8/13		1,856,560	187,480									
			2/12/14		1,888,556	31,996									
			10/2/14	2/6/15	1,901,222	12,666	Eff. Only								
			9/15/15	12/28/15	2,047,700	146,478	Eff. Only								
			2/16/16	4/12/16	2,076,570	28,870	3.2	ND	ND	ND					
			5/19/16	7/22/16	2,089,980	13,410	Eff. Only								
			9/29/16		2,174,500	84,520									
			10/12/17	12/8/17	2,266,760	92,260	3.2	ND	ND	ND					
			11/2/18	11/27/18	2,303,080	36,320	Eff. Only	ND	ND	ND					
		1	12/11/19	1/7/20	2,354,670	51,590	2.7	ND	ND	ND	ND	ND	ND	ND	
		1	4/5/21	6/4/21	2,410,630	55,960	2	ND	ND	ND	ND	ND	ND	ND	
		1	5/1/22	6/27/22	2,470,480	59,850	ND	ND	ND	ND	ND	ND	-	-	
		1	7/3/23	9/25/23	2,524,140	53,660	ND	ND	ND	ND	ND	ND			
946 Sadies Lane				06/04/02			6.2	ND	ND	ND					
Mike Sletten	JL-100		08/19/02	09/13/02	0	0	6.4	ND	ND	ND					
[redacted]	Every 2 yrs		03/12/04	03/31/04	127,460	127,460	Eff. Only								
	Jan./11		02/23/05	03/20/05	200,690	73,230	Eff. Only								
			02/02/06	02/20/06	259,320	58,630	4.8	ND	ND	ND					
Well: QU322			01/26/07	--	320,380	61,060	--								
			2/17/09	2/19/10	413,310	92,930	6.3	ND	ND	ND					
			5/5/11		480,270	66,960									
			7/11/13	10/24/13	615,620	135,350	Eff. Only						ND	ND	
			2/5/15	3/27/15	691,900	76,280	3.3	ND	ND	ND					
			3/1/17	3/28/17	735,130	43,230	3	ND	ND	ND					
			2/13/19	3/14/19	871,690	136,560	2.4	ND	ND	ND	ND		ND	ND	
			3/12/21	5/20/21	935,000	63,310	2.5	ND	ND	ND	ND	ND	ND	ND	
		1	4/14/23	5/30/23	1,016,870	81,870	1.9	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
952 Sadie's Lane				01/21/03			7.5	ND	ND	ND					
John & Cherry Cosentino	JL-100		04/02/03	05/06/03	0	0	7.8	ND	ND	ND					
[redacted]	Every 2 yrs		03/08/04	03/31/04	108,820	108,820	Eff. Only								
	Jan./11		01/24/05	02/24/05	179,910	71,090	Eff. Only								
Well: RJ233			01/20/06	04/09/06	232,430	52,520	Eff. Only								
			01/19/07	7/20/07	312,280	79,850	4.9	ND	ND	ND					
			2/5/08	--	370,480	58,200	--								
			2/17/09		422,950	52,470									
			3/7/13	5/22/13	638,580	215,630	Eff. Only						ND	ND	
			2/23/15	3/26/15	767,120	128,540	3	ND	ND	ND					
			2/7/17	3/22/17	909,770	142,650	2.1	ND	ND	ND					
			3/20/19	6/3/19	1,045,590	135,820	1.9	ND	ND	ND	ND		ND	ND	
			3/15/22	5/6/22	1,225,250	179,660	1.5	ND	ND	ND	ND	ND	ND	ND	
Has sign--sprinkler system															
957 Sadie's Lane				12/20/01			6.3	<0.64>	ND	ND					
Todd & Darcy Carlson	JL-300		03/07/02	4/18/02	0	0	6.4	ND	ND	ND					
[redacted]	Every 2 yrs		02/27/04	03/31/04	63,410	63,410	Eff. Only								
	Jan./11		02/21/05	04/01/05	92,060	28,650	Eff. Only								
Well: QQ138			02/22/07	4/15/08	163,450	71,390	4.3	ND	ND	ND					
			4/17/09		236,660	73,210									Vol.
switch to JL-100			3/16/12		426,500	189,840									
			3/7/13	3/7/13	485,828	59,328	2.9	ND	ND	ND					
			4/8/16	4/11/17	664,500	178,672	2.3	ND	ND	ND					
			3/27/19		844,800	180,300									
			3/26/21		979,930	135,130									
		1	5/25/22	5/26/22	1,064,460	84,530	2	ND	ND	ND	ND	ND	ND	ND	
		1	6/26/23		1,148,150	83,690									
958 Sadie's Lane				2/21/02			4.5	ND	ND	ND					
Dan Blodgett	JL-300		06/11/02	6/17/02	0	0	5.9	ND	ND	ND					
[redacted]	Every 2 yr		09/27/05	11/03/05	60,090	60,090	Eff. Only								
	Jan./11		02/09/07	7/20/07	184,450	124,360	2.8	ND	ND	ND					Vol.
Well: QQ130	JL-100		2/17/09	--	479,970	295,520	--								
			2/5/10		573,080	93,110									
			3/30/11	10/5/11	606,560	33,480	--	--	--	--					
			1/31/14	3/5/14	801,510	194,950	Eff. Only								
			2/24/16	4/11/16	939,090	137,580	ND	ND	ND	ND					
			2/16/18	4/16/18	1,062,560	123,470	0.98	ND	ND	ND					
			3/5/21		1,207,390	144,830									
963 Sadie's Lane				01/22/02			7.4	<1.1>	ND	ND					
Phil & Lynda Johnson	JL-300		05/14/02	5/14/02	0	0	7.3	<1.0>	ND	ND					Vol.
[redacted]	Every 1 yr		06/02/04	06/15/04	83,890	83,890	Eff. Only								
	Jan./11		03/11/05	04/01/05	139,680	55,790	Eff. Only								
Well: QQ139			03/02/06	--	180,020	40,340	--								
			03/23/07	7/23/07	227,330	47,310	5.8	<0.52>	ND	ND					Vol.
			7/9/08	--	318,490	91,160	--								
			4/29/09	--	372,530	54,040	--								
			1/28/10		409,770	37,240									
			4/21/11		454,140	44,370									
			5/1/12		488,120	33,980									
			4/17/13		531,150	43,030									
			4/18/14		570,130	38,980									
			5/20/15		611,090	40,960									
			3/28/17		202868?	-									
			4/5/19	7/24/19	748,260	-	1.1	ND	ND	ND	ND	ND	ND	ND	
	Every 2 yrs	1	3/29/21		791,610	43,350									
		1	6/10/22		819,670	28,060									
							FILTERS REMOVED 9/27/2023								

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
964 Sadie's Lane				03/07/03			4.7	ND	ND	ND					
Ed & Vanda Rankin	JL-300		06/03/03	06/27/03	0	0	<0.99>	ND	ND	ND					
[redacted]	Every 2 yrs		02/20/04	03/31/04	63,760	63,760	Eff. Only								
	Jan./11		02/21/05	05/13/05	108,880	45,120	Eff. Only								
Well: RJ270			02/23/07	7/23/07	168,400	59,520	2.0	ND	ND	ND					
			3/9/09		238,540	70,140									
switch to JL-100			4/8/11	4/9/13	310,630	72,090	0.98	ND	ND	ND					
			2/10/14	5/20/14	405,320	94,690	Eff. Only								
			3/28/16	9/23/16	502,860	97,540	ND	ND	ND	ND					
			5/17/18		820,630	317,770									
			6/9/20		718,070	?									
		1	7/7/23	9/25/23	916,000	197,930	ND	ND	ND	ND	ND	ND	ND	ND	
981 Tanney Lane				9/23/96			4.8	ND	ND	ND					
Erik & Nikki Jorgensen	JL-100		09/05/97	9/15/97	0	0	3.6	<0.27>	ND	ND					PCE
[redacted]	Every 2 yrs		09/17/98	09/24/98	90,710	90,710	4.0	<0.6>	ND	ND					
	Mar./11		11/11/99	11/26/99	193,680	102,970	2.2	ND	ND	ND					
Well: BM148			06/22/00 Fe	06/29/00	242,900	49,220	2.1	ND	ND	ND					
			12/06/01	12/06/01	370,364	127,464	2.1	ND	ND	ND					
			03/28/03	03/28/03	450,920	80,556	Eff. Only								
			04/15/04	05/17/04	526,810	75,890	Eff. Only								
			04/18/05	04/19/05	558,080	31,270	Eff. Only								
			6/12/09	11/24/10	706,720	119,810	1.2	ND	ND	ND					
			7/22/11		901,080	194,360									Vol.
			5/24/13		1,083,140	182,060									
			4/29/14	6/17/14	1,174,900	91,760	Eff. Only						ND	ND	
			4/5/16	4/26/16	1,259,270	84,370	ND	ND	ND	ND					
			5/25/17	7/17/17	1,292,890	33,620	0.86	ND	ND	ND					
			4/5/18	5/14/18	1,318,370	25,480	Eff. Only						ND	ND	
		1	10/21/19		1,363,640	45,270									
		1	7/12/21	4/29/22	1,415,140	51,500	0.83	ND	ND	ND	ND	ND	ND	ND	
		1	7/18/22		1,447,640	32,500									
		1	8/10/23		?										
982 Tanney Lane				9/20/96			5.7	ND	ND	ND					PCE
Zach Turpin	JL-100		07/16/97	7/23/97	0	0	4.9	0.53	ND	ND					
[redacted]	Every 2 yrs		07/21/98	8/26/98	27,180	27,180	4.4	ND	ND	ND					PCE
Well: BM185	Mar./12		07/22/99	7/29/99	61,830	34,650	4.6	<0.64>	ND	ND					
				8/26/99	64,395	2,565	4.8	<0.49>	ND	ND					
			10/99												
			06/23/00 Fe	06/29/00	88,380	26,550	4.3	ND	ND	ND					
			Col.	7/26/01	123,378	34,998	--	--	--	--					
			04/12/02	04/18/02	143,940	55,560	2.4	ND	ND	ND					
			04/09/04	04/24/04	212,140	68,200	Eff. Only								
			04/13/06	--	280,450	68,310	--								
switch to JL-100 (1/29/15)			4/10/08	9/24/08	363,180	82,730	1.0	ND	ND	ND					
			3/25/10		432,220	69,040									Vol.
			7/23/12		514,260	82,040									
			5/5/14		577,990	63,730									
			4/11/16	4/26/16	647,070	69,080	1.3	ND	ND	ND					
			6/11/19		736,840	89,770									
		1	6/8/22		834,810	97,970									
		1	7/25/23		870,270	35,460									

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
993 Tanney Lane				10/22/01			3.1	<0.61>	ND	ND					
John Garske - Owner	JL-300		03/29/02	4/4/02	0	0	3.2	ND	ND	ND					Vol.
Send letters to Renter:	Every 1 yr		03/29/04	03/29/04	170,300	170,300	Eff. Only								
Ryan Buschniski	Mar./10		04/28/05	06/16/05	250,700	80,400	Eff. Only								
[redacted]			04/13/06	--	285,440	34,740	--								
			5/8/07	7/23/07	368,560	83,120	1.9	ND	ND	ND					
Well: QM708			7/23/08		458,530	89,970									
			10/4/11		553,620	95,090									
			5/6/13		646,550	92,930									
			7/21/17		896,140	249,590									
		1	7/24/19	10/11/19	new meter	7,800	1.4	ND	ND	ND	ND	ND	ND	ND	
		1	12/7/20		73,600	73,600									
			4/11/22		157,600	84,000									
994 Tanney Lane				9/23/96			ND	ND	ND	ND					
Steven and Colleen Sutter	JL-100		04/11/97	4/14/97	0	0	ND	ND	0.069	ND					
[redacted]	Every 2 yrs		05/08/98	5/15/98	101,670	101,670	ND	ND	ND	ND					
Well: EV017	Mar./11		04/20/99	4/22/99	230,790	129,120	ND	ND	ND	ND					
			Col. and Fe	8/14/00	394,020	163,230	--	--	--	--					
			07/20/01	7/26/01	509,210	278,420	ND	ND	ND	ND					
			03/12/03	03/28/03	662,652	153,442	Eff. Only								
			03/31/05	04/20/05	846,430	183,778	Eff. Only								
			05/3/07	9/24/08	1,019,792	173,362	ND	ND	ND	ND					
			4/13/09		1,177,580	157,788									Vol.
			5/7/12		1,417,990	240,410									
			4/29/14	6/17/14	1,619,780	201,790	Eff. Only								
			4/18/16	6/28/16	1,702,210	82,430	ND	ND	ND	ND					
			4/12/18	5/29/18	1,777,500	75,290	Eff. Only								
LRT is no longer responsible for GACS		1	9/1/20	10/6/20	1,870,880	93,380	ND	ND	ND	ND	ND	ND	-	-	
997 Tanney Lane				9/23/96			ND	ND	ND	ND					
Claude & Donna Chamberlin	JL-100		04/23/97	5/6/97	0	0	ND	ND	ND	ND					
	Every 2 yrs		05/15/98	7/17/98	850 broke		ND	ND	ND	ND					
[redacted]	Mar./11		04/20/99	4/22/99	858 broke		ND	ND	ND	ND					
			Col. and Fe	08/21/00		No Meter	--	--	--	--					
Well: DF399			06/01/01	7/12/01		No Meter	<0.60>	ND	ND	ND					
Filter in outside box attached			not exchanged	04/07/04			Eff. Only								
to wall. Freeze risk.			06/10/05	08/09/05		No Meter	<0.51>	ND	ND	ND					
Add meter when risk gone			4/17/09	2/1/10		No Meter	<0.48>	ND	ND	ND					
			5/7/12	5/22/13		No Meter	Eff. Only								
			3/2/15			No Meter									
			4/12/19	9/3/20	307,330	-	ND	ND	ND	ND	ND	ND	-	-	
		1	3/23/21		103419?										
Hydrant is unfiltered															
998 Tanney Lane				9/16/96			ND	ND	ND	ND					
David & Jean Rose	JL-100		03/17/97	3/22/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		04/16/98	5/15/98	74,180	74,180	ND	ND	ND	ND					
Well: BM182	Mar./11		03/07/99	3/25/99	138,260	64,080	ND	ND	ND	ND					
			Col. and Fe	8/14/00	239,070	100,810	--	--	--	--					
			07/31/01	10/04/01	299,260	161,000	ND	ND	ND	ND					
			03/17/03	03/28/03	396,240	96,980	Eff. Only								
			04/22/05	05/13/05	522,920	126,680	Eff. Only								Vol.
LRT is no longer responsible for GACS			4/20/09	2/19/10	790,720	267,800	ND	ND	ND	ND					
			8/28/18	10/4/18	new meter	29	Eff. Only								
		1	11/13/20	12/8/20	57,000	57,000	ND	ND	ND	ND	ND	ND	-	-	
re-installed tanks, they were not hooked up (8/2018)		1	8/23/23		12,200										

TABLE 12
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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
1001 Tanney Lane				9/19/96			ND	ND	ND	ND					
Brenda & Thomas Youderian	JL-100		03/04/97	3/13/97	0	0	ND	ND	ND	ND					
[redacted]	Every 2 yrs		03/10/98	4/20/98	38,930	38,930	ND	ND	ND	ND					
Well: FS077	Mar./11		03/04/99	3/25/99	81,580	42,650	ND	ND	ND	ND					
			Col. and Fe	8/14/00	144,595	63,015	--	--	--	--					
			07/20/01	7/26/01	187,390	105,810	ND	ND	ND	ND					
			03/05/03	03/07/03	267,230	79,840	Eff. Only								
			04/22/05	05/13/05	379,780	112,550	Eff. Only								
			05/10/07	9/24/08	509,600	129,820	ND	ND	ND	ND					Vol.
			5/4/09		643,550	133,950									Vol.
			5/30/12	3/7/13	827,030	183,480	ND	1.3 and 1.6	ND	ND					
			4/29/14	7/1/14	921,460	94,430	Eff. Only								
			4/22/16	8/5/16	999,550	78,090	ND	ND	ND	ND					
			8/30/18	11/20/18	1,109,890	110,340	Eff. Only								
		1	12/3/20	2/2/21	1,176,740	66,850	ND	ND	ND	ND	ND	ND	-	-	
		1	1/20/23	2/21/23	124,100		ND	ND	ND	ND	ND	ND	ND	ND	
1014 Tanney Ln	-	-	-	6/10/22	-	-	ND	ND	ND	ND	ND	ND	-	-	
Conrad & Velda Rivard Rev Trust	-	-	-	5/22/23	-	-	ND	ND	ND	ND	ND	ND	-	-	
[redacted]															
(water is not filtered)															
856 Yellowstone Trail				1/19/98			1.6	<0.9>	ND	ND					
Nate and Jen Kowalsky	JL-300		04/10/98	4/20/98	0	0	1.8	<0.9>	<0.5>	ND					Vol.
[redacted]	Every 1 yr		05/06/99	7/8/99	74,010	74,010	3.5	1.3	<0.88>	ND					
	Aug./11		11/16/99	--	112,530	38,520	--	--	--	--					
			07/20/00	08/23/00	168,120	55,590	3.9	1.1	ND	ND					
			03/27/01	4/12/01	223,240	55,120	4.5	1.3	<0.54>	ND					
Well: MF876			07/24/01	07/26/01	269,780	46,540	4.3	1.1	ND	ND					Vol.
			03/01/02	4/4/02	370,896	101,116	5.0	<0.9>	ND	ND					Vol.
Inf. and Eff.			07/25/02	08/27/02	437,180	66,284	3.9	<0.78>	ND	ND					Vol.
			01/16/03	02/07/03	522,530	85,350	6.6	<1.2>	ND	ND					Vol.
			08/05/03	08/22/03	610,410	87,880	4.2	<0.83>	ND	ND					
			10/14/03	10/30/03	653,590	43,180	Eff. Only								
			04/01/04	04/27/04	698,810	45,220	4.5	<0.68>	ND	ND					
			09/08/04	09/30/04	754,250	55,440	Eff. Only								
			02/15/05	03/15/05	795,750	41,500	Eff. Only								
			07/07/05	08/31/05	832,970	37,220	4.2	<0.75>	ND	ND					
			09/20/05	11/03/05	849,120	16,150	Eff. Only								
			06/05/06	--	894,360	45,240	--								
			10/24/06	--	920,280	25,920	--								Vol.
			9/21/07	--	1,025,280	105,000	--								
			6/19/08	--	1,049,830	24,550	--								
			10/22/08	--	1,081,500	31,670	--								Vol.
			4/21/10		1,158,510	77,010	3.8	<0.58>	ND	ND					
			9/12/12	9/17/12	1,301,450	142,940	4.2	ND	ND	ND					
			1/22/14	3/18/14	1,473,340	171,890	Eff. Only		meter reading when sampled						
			2/10/15	5/15/15	1,573,630	100,290	3.9	ND	ND	ND					
			4/4/16		1,695,350	121,720									
		1	12/13/19		2,152,920	457,570									
		1	6/2/22		2,396,970	244,050									

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
867 Yellowstone Trail				3/21/01			2.3	<1.2>	ND	ND					
Brad & Lisa Larson	JL-300		06/12/01	7/12/01	0	0	5.1	1.4	ND	ND					Vol.
[redacted]			08/17/01	10/18/01	196,030	196,030	1.5	ND	ND	ND					Vol.
[redacted]	Tri-Ann.		07/25/02	08/27/02	332,050	136,020	2.6	ND	ND	ND					Vol.
	Jan./May		07/17/03	07/18/03	541,210	209,160	Eff. Only								
Well: OM661	Sept.		03/25/04	04/01/04	671,240	130,030	Eff. Only								
			08/11/04	08/16/04	740,590	69,350	Eff. Only								
Pool			03/03/05	04/01/05	779,800	39,210	Eff. Only								
			07/27/05	08/09/05	866,390	86,590	Eff. Only								
			02/16/06	--	943,367	76,977	--								Vol.
			08/03/06	--	1,224,570	281,203	--								Vol.
			02/02/07	7/20/07	1,295,570	71,000	2.6	ND	ND	ND					Vol.
			08/21/07	--	1,618,790	323,220	--								
			2/14/08	--	1,668,950	50,160	--								Vol.
			8/13/08	--	1,853,680	184,730	--								
			10/6/08	--	1,895,720	42,040	--								
			7/24/09	--	2,054,000	158,280	--								Vol.
			12/3/09	--	2,099,560	45,560	--								
			6/15/10		2,155,310	55,750									
			9/30/10		2,209,430	54,120									
			10/4/11		2,375,810	166,380									
			4/13/12	8/23/12	2,441,150	65,340	3.1	0.57	ND	ND					
			8/29/12		2,613,040	171,890									
			10/24/13		2,805,760	192,720									
			8/26/14		2,954,460	148,700									
			2/25/15	3/27/15	2,996,050	41,590	ND	ND	ND	ND					
			9/24/15	1/12/16	3,095,750	99,700	ND	ND	ND	ND					
			7/8/16	11/21/16	3,258,960	163,210	ND	ND	ND	ND					
			6/30/17		3,344,110	85,150									
			10/12/17		3,360,250	16,140									
			12/28/18		3,483,570	123,320									
		1	11/16/20	12/4/20	3,694,410	210,840	ND	ND	ND	ND	ND	ND	-	-	
		1	6/20/22	1/3/23	3,893,020	198,610	ND	ND	ND	ND	ND	ND	ND	ND	
871 Yellowstone Trail				8/21/15		Raw Water	2.6	ND	ND	ND					
Aaron & Alyssa Praschnk	JL-100		9/29/15	11/3/15	2,400	2,400	3.4	0.63	ND	ND					
[redacted]	Every 1 yr		10/13/16		-	-									
	Oct./16		10/18/17		74,300	71,900									
Well: XR091				11/20/19	160,600	-	3.6	ND	ND	ND	ND	ND	ND	ND	
		1	12/4/19	-	162,400	88,100	-	-	-	-	-	-	-	-	
873 Yellowstone Trail				5/15/07			8.3	ND	ND	ND					
Alex & Jamie Lindus	JL-100		9/26/07	4/15/08	0	0	Eff. Only								
[redacted]	Every 1 yr		3/11/11	9/25/12	126,170	126,170	6.3	ND	ND	ND					
[redacted]	Jan./09		3/18/13	5/29/13	224,210	98,040	Eff. Only								
Well: UF813			2/20/15	5/22/15	345,110	120,900	5.3	ND	ND	ND					
[redacted]			3/17/17	6/20/17	458,850	113,740	4.1	ND	ND	ND					
		2	8/9/17	--	495,200	36,350									
		1	8/5/19	11/6/19	649,140	153,940	3.3	ND	ND	ND	ND	ND	ND	ND	
		1	5/4/22		1,154,240	505,100									
875 Yellowstone Trail				7/19/07			6.9	<0.54>	ND	ND					
Mike & Dana Thompson	JL-100		9/26/07	4/15/08	0	0	Eff. Only								
[redacted]	Every 1 yr		2/15/13	3/8/13	434,280	434,280	3.4	ND	ND	ND					
	Jan./09		2/13/14	5/8/14	524,280	90,000	Eff. Only								
			4/8/15		769,810	245,530									
Well: UF814			2/4/16	4/11/16	853,880	84,070	3.5	ND	ND	ND					
			2/22/17	3/28/17	1,017,180	163,300	3.9	ND	ND	ND					
			2/8/18	3/30/18	1,172,900	155,720	3.8	ND	ND	ND					
			3/22/19	6/12/19	1,272,790	99,890	3.9	ND	ND	ND	ND		-		
			2/20/20		1,408,450	135,660									
		1	5/13/21		1,595,340	186,890									
		1	6/1/22	2/10/23	1,802,360	207,020	2.9	ND	ND	ND	0.69	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
877 Yellowstone Trail				11/11/13		Raw water	1.1	ND	ND	ND					
Tim Mackey	JL-100		12/19/13	1/20/14	3,830		Eff. Only								
[redacted]	Every 1 yr		7/18/16		160,770	156,940									
	Dec/14		7/31/17	9/13/17	242,420	81,650	ND	ND	ND	ND					Benzene
Well: XG931			8/28/18	11/1/18	282,150	39,730	Eff. Only								
		1	6/4/21	8/24/21	371,470	89,320	ND	ND	ND	ND	ND	ND			
		1	6/27/22		407,410	35,940									
878 Yellowstone Trail				3/9/15		Raw water	ND	ND	ND	ND					
Jeremiah & Traci Otting	JL-100		4/1/15	4/22/15	2,830	2,830	ND	ND	ND	ND					
[redacted]	Every 1 yr		7/7/16	11/10/16	80,850	78,020	ND	ND	ND	ND					
	16-Jun		6/20/17	8/11/17	128,510	47,660	ND	ND	ND	ND					
			8/14/18	10/4/18	198,450	69,940	Eff. Only								
Well: XM682 180' deep		1	8/7/19	9/20/19	258,430	59,980	ND	ND	ND	ND	0.70 J	ND	-	-	
LRT is no longer responsible for GACS		1	12/17/20	1/25/21	332,410	73,980	ND	ND	ND	ND	ND	ND	-	-	
879 Yellowstone Trail			-	8/1/17	-	Raw water	1	ND	ND	ND					
Tomm & Pamela Geistfeld			-	7/23/18	-	-	0.49	ND	ND	ND					
[redacted]			-	6/12/19	-	-	1.1	ND	ND	ND	0.44 J		-	-	
(water is not filtered)			-	7/8/20	-	-	0.77	ND	ND	ND	ND	ND	-	-	
Pond is well fed, unfiltered															
Well: YC126															
881 Yellowstone Trail	JL-100		3/16/12	7/25/12	9,400	9,400	1.3	ND	ND	ND					
Rick Hanson	Every 2 yr		6/14/16		131,050	121,650									
[redacted]	14-Apr		-	11/25/19	-	-	0.86	ND	ND	ND	ND	ND	ND	ND	
		1	12/9/19	-	308,200	177,150	-	-	-	-	-	-	-	-	
Well: VH945 180' deep		1	8/27/20		325,690	17,490									
			3/7/23	5/16/23	66,700	-	0.32 J	ND	ND	ND	ND	ND	-	-	
882 Yellowstone Trail	JL-100			2/24/15		Raw water	1.4	ND	ND	ND					
Larry and Steph DeVoss	Every 1 yr		3/27/15	4/10/15	1,550	1,550	0.67	ND	ND	ND					
[redacted]	April/16		7/7/16	11/9/16	83,330	81,780	ND	ND	ND	ND					
			5/11/17	6/20/17	127,650	44,320	0.38	ND	ND	ND					
New Owner 9/2020:		1	10/18/19	12/3/19	265,450	137,800	0.29 J	ND	ND	ND	0.79 J	ND	-	-	
Pete Komoro	Every 2 yrs	1	1/6/21	1/7/21	324,310	58,860	0.19 J	ND	ND	ND	ND	ND	-	-	
[redacted]															
Well: XP742 180' deep															
850 Young Road			-	12/14/20	-	-	ND	ND	ND	ND	ND	ND	-	-	
Julie Graber			-	7/14/22	-	-	ND	ND	ND	ND	ND	ND	-	-	
[redacted]															
(water is not filtered)															
Well: XX012															
860 Young Road			-	6/27/22	-	-	ND	ND	ND	ND	ND	ND	-	-	
Jill Harden and Tom Hoelkinger			-	7/5/23	-	-	ND	ND	ND	ND	ND	ND	-	-	
[redacted]															
(water is not filtered)															

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
872 Young Road				11/04/98			1.8	ND	ND	ND					
Bob & Mary Esch	JL-100		02/09/99	2/25/99	0	0	1.8	ND	ND	ND					Vol.
[redacted]	Every 1 yr		01/25/00	03/06/00	141,060	141,060	1.4	ND	ND	ND					Vol.
[redacted]	July/11		11/28/00	12/06/00	286,670	145,610	1.3	ND	ND	ND					Vol.
Well: LD759			01/22/02	01/22/02	455,327	168,657	1.0	ND	ND	ND					
			11/12/02	11/14/02	564,940	109,613	1.4	ND	ND	ND					
			07/15/03	07/18/03	652,490	85,550	Eff. Only								
			02/26/04	04/01/04	777,210	124,720	Eff. Only								
			07/23/04	08/16/04	849,460	72,250	Eff. Only								
			01/19/05	02/23/05	912,680	63,220	Eff. Only								
			07/13/05	08/09/05	997,600	84,920	Eff. Only								
			01/24/06	02/20/06	1,113,610	116,010	1.2	ND	ND	ND					
			7/18/06	--	1,199,580	85,970	--								
			01/19/07	--	1,255,250	55,670	--								
			07/26/07	--	1,311,350	56,100	--								
			7/29/08	--	1,413,590	102,240	--								
			8/17/09		1,531,430	117,840									
			7/19/10		1,637,420	105,990									
			8/3/11		1,787,220	149,800									
			7/10/12	7/25/12	1,867,270	80,050	1.1	ND	ND	ND					
			7/9/13	10/24/13	1,951,500	84,230	Eff. Only								
			7/15/14	11/26/14	2,103,550	152,050	Eff. Only								
			7/20/15	8/11/15	2,185,580	82,030	0.87	ND	ND	ND					
			7/13/16	11/10/16	2,310,450	124,870	0.9	ND	ND	ND					
			8/1/17	9/6/17	2,370,430	59,980	0.75	ND	ND	ND					
			7/26/18	10/4/18	2,466,830	96,400	Eff. Only								
		1	7/25/19	9/20/19	2,536,180	69,350	0.67	ND	ND	ND	ND	ND	-	-	
		1	10/9/20	12/8/20	2,609,880	73,700	0.46 J	ND	ND	ND	ND	ND	-	-	
		1	10/29/21	4/22/22	2,691,860	81,980	0.28 J	ND	ND	ND	ND	ND			
							FILTERS REMOVED 9/28/2023								
878 Young Road				03/07/00			3.2	ND	ND	ND					
Dave Plansky	JL-100		08/11/00	08/21/00	0	0	3.6	ND	ND	ND					
[redacted]	Every 2 yr		12/13/01	12/20/01	151,480	151,480	7.3	ND	ND	ND					
[redacted]	Jan./11		01/25/03	02/07/03	214,050	62,570	Eff. Only								
Well: NV377			02/20/04	04/01/04	329,910	115,860	Eff. Only								
			01/24/05	02/26/05	432,800	102,890	Eff. Only								
			03/03/06	--	547,270	114,470	--								
			01/23/07	7/19/07	674,650	127,380	3.9	ND	ND	ND					Vol.
			9/19/08	--	922,490	247,840	--								Vol.
			2/26/10		1,049,250	126,760									
			10/14/16		1,356,660	307,410									
			10/17/17	12/22/17	1,385,160	28,500	Eff. Only								
			11/26/18		1,413,490	28,330									
		1	11/20/19	8/28/20	1,438,130	24,640	1.8	ND	ND	ND	ND	ND	ND	ND	
		1	5/19/22	6/24/22	1,513,640	75,510	1.2	ND	ND	ND	ND	ND	-	-	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
884 Young Road				3/21/01			17	ND	ND	ND					
Tony & Lori Jurek	JL-300		05/30/01	7/12/01	0	0	18	ND	ND	ND					Vol.
[redacted]	Semi-Ann.		09/13/01	10/18/01	149,160	149,160	16	ND	ND	ND					
	Jan./July		02/15/02	02/21/02	178,773	29,613	15	ND	ND	ND					Vol.
Well: OF932			07/30/02	08/27/02	252,290	73,517	17	ND	ND	ND					
			01/14/03	01/31/03	292,830	40,540	Eff. Only								
			07/24/03	[08/22/03]	348,870	56,040	Eff. Only								Vol.
			03/19/04	04/01/04	449,950	101,080	Eff. Only								
			07/21/04	08/16/04	508,290	58,340	Eff. Only								
			11/19/04	11/19/04	552,180	43,890	Eff. Only								
			04/27/05	08/18/05	591,760	39,580	Eff. Only								
			08/24/05	08/31/05	631,340	39,580	Eff. Only								
			11/02/05	12/14/05	649,760	18,420	Eff. Only								
			04/07/06	--	685,530	35,770	--								
			07/18/06	--	724,640	39,110	--								
			11/10/06	--	745,570	20,930	--								
			04/26/07	--	782,680	37,110	--								
			7/24/07	--	832,880	50,200	--								
			11/7/07	--	836,670	3,790	--								Vol.
			8/20/08	--	905,240	68,570	--								
			2/17/09	--	942,400	37,160	--								Vol.
			2/9/10	4/7/10	1,022,390	79,990	13	ND	ND	ND					
			7/28/10	--	1,058,630	36,240									
			5/5/11		1,113,850	55,220									Vol.
			6/4/12	9/10/12	1,179,910	66,060	10	ND	ND	ND					
			4/29/13	6/24/13	1,236,520	56,610	Eff. Only								
			8/20/13	11/11/13	1,258,230	21,710	Eff. Only								
			7/15/14	12/18/14	1,307,450	49,220	Eff. Only								
			10/8/15	2/10/16	1,351,000	43,550	13	ND	ND	ND					
			2/11/16		1,391,000	40,000									
	JL-100		2/15/17		1,429,150	38,150									
	Every 1 yr		8/2/17		1,468,540	39,390									
	April			9/13/17	1,472,230	3,690	8	ND	ND	ND					
			2/1/18	2/27/18	1,491,278	22,738	Eff. Only								
			9/21/18	11/13/18	1,502,350	30,120	8.6	ND	ND	ND					
			4/16/19	5/14/19	1,543,840	52,562	7.4	ND	ND	ND	ND		ND	ND	
			-	12/10/19	-	-	6.7	ND	ND	ND	ND	ND	-	-	
			2/6/20	2/25/20	-	-	5.4	ND	ND	ND	ND	ND	ND	ND	
		2	5/13/21	6/4/21	1,636,650	60,050	5.2	ND	ND	ND	ND	ND	ND	ND	
		1	4/25/22		1,676,190	39,540									
		1	4/26/23	6/26/23	1,724,560	48,370	5.2	ND	ND	ND	ND	ND	ND	ND	
887 Young Road				12/18/98			7.2	ND	ND	ND					
Pete & Janine Wildes	JL-100		03/01/99	03/25/99	0	0	8.0	ND	ND	ND					
[redacted]	Every 2 yrs			07/08/99	13,230	13,230	7.5	ND	ND	ND					
	Jan./11		11/28/00	12/20/00	68,390	68,390	8.8	ND	ND	ND					
Well: MP152			10/14/02	12/23/02	146,100	77,710	7.7	ND	ND	ND					
			02/23/04	04/01/04	245,140	99,040	Eff. Only								
			01/24/05	02/26/05	310,520	65,380	Eff. Only								
			01/27/06	--	375,100	64,580	--								
			01/30/07	7/20/07	457,460	82,360	5.2	ND	ND	ND					
			1/23/08		524,100	66,640									
			2/20/09		606,880	82,780									
			1/26/10		678,000	71,120									
			3/2/12	7/25/12	839,280	161,280	3.9	ND	ND	ND					
			1/29/14	2/11/14	989,710	150,430	Eff. Only						ND	ND	
			2/20/15	3/26/15	1,056,780	67,070	Eff. Only						ND	ND	
			1/28/16	4/4/16	1,113,980	57,200	4.5	ND	ND	ND					
			2/10/17	4/3/17	1,173,560	59,580	3.7	ND	ND	ND					
			2/9/18	3/30/18	1,215,810	42,250	3.7	ND	ND	ND					
			3/4/19	4/8/19	1,240,810	25,000	2	ND	ND	ND	ND	ND	ND	ND	
		1	5/12/21	6/4/21	1,312,370	71,560	1.9	ND	ND	ND	ND	ND	-	-	
		1	6/1/23		1,383,600	71,230									

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Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
893 Young Road				08/26/99			12	ND	ND	ND					
Helyn Zarfos	JL-300		02/17/00	03/06/00	0	0	12	ND	ND	ND					Vol.
[redacted]	Every 1 yr		12/12/00	12/20/00	63,680	63,680	12	ND	ND	ND					
	Jan./12		02/26/02	4/4/02	120,200	56,520	10	ND	ND	ND					
			12/30/03	06/15/04	189,310	69,110	Eff. Only								
Well: NP107			09/28/05	11/03/05	290,070	100,760	Eff. Only								
			04/6/07	--	344,510	54,440	--								
Unfiltered sprinkler system.			2/5/09		407,500	62,990									
			9/15/10		472,890	65,390									
			7/9/13		589,280	116,390									
			2/10/14	6/10/14	598,280	9,000	Eff. Only								
			4/1/15		603,080	4,800									
			2/9/16	4/4/16	660,440	57,360	ND	ND	ND	ND					
			3/6/17		720,410	59,970									
			10/17/18	11/27/18	848,140	127,730	Eff. Only								
		1	1/3/20	2/11/20	470960 ?	(848,140)	3.8	ND	ND	ND	ND	0.46 J			
	JL-100	2	7/8/21	8/20/21	1,038,210	1,038,210	ND	ND	ND	ND	ND	ND	ND	ND	
		1	7/15/22	11/22/22	1,117,000	78,790	2.6	ND	ND	ND	ND	ND	-	-	
		1	10/31/23												
894 Young Road				04/15/06			10	ND	ND	ND					
Rick & Lynn Jasperson	JL-100		06/13/06	--	0	0	--								
[redacted]	Every 2 yrs		4/18/08	--	84,000	84,000	--								
	Jan./12		2/5/10		163,180	79,180									
			4/23/12	10/31/12	268,950	105,770	13	ND	ND	ND					
Well: TJ020			3/6/14	6/10/14	367,170	98,220	Eff. Only								
			11/14/14		410,700	43,530									
			2/24/16	4/12/16	500,500	89,800	3.5	ND	ND	ND					
			3/8/18	3/30/18	621,910	121,410	2.8	ND	ND	ND					
			3/25/20	6/9/20	750,160	128,250	2	ND	ND	ND	ND	ND	ND	ND	
			3/21/22		856,500	106,340									
			3/28/23	5/16/23	-	-	2.8	ND	ND	ND	ND	ND	ND	ND	

TABLE 12
SUMMARY OF PRIVATE WELL ANALYTICAL RESULTS WITHIN THE SWCDA
Junker Sanitary Landfill FID # 656026800

Location and Sampling Schedule[+]	GAC Filter System + Exchange Schedule	No. of Tanks Changed	GAC Filter Installation or Exchange Date	Sampling Date	Culligan Meter Reading (gal.)	Volume Used (gal.) JL-100=127,620 gal. JL-300=59,000/127,620 gal	Influent Detects						Effluent Detects		Flag
							TCE (ppb) JL-100=11.5 JL-300=33.3/11.5	PCE (ppb) JL-100=NA JL-300=2.5	1,1,1-TCA (ppb) JL-100=15.8 JL-300=51.2/15.8	1,1-DCE (ppb) JL-100=NA JL-300=5.7	R-11 (ppb)	Chloroform (ppb)	Chloroform (ppb)	TCE (ppb)	
896 Young Road				08/26/99			22	ND	ND	ND					
Chris & Erica Matson	JL-300		10/14/99	10/14/99			20	ND	ND	ND					
[redacted]	Semi-Ann.		'02/11/00		0	meter installed	--	--	--	--					
	May/Nov		08/15/00	08/21/00	71,200	71,200	21	ND	ND	ND					
			11/30/00	12/06/00	95,325	22,880	23	ND	ND	ND					
Well: NG791 (200')			05/10/01	7/12/01	124,780	29,455	18	ND	ND	ND					Vol.
			11/13/01	12/20/01	200,796	76,016	21	ND	ND	ND					
			07/16/02	07/22/02	258,306	57,510	25	ND	ND	ND					
			01/27/03	02/07/03	305,070	46,764	Eff. Only								
			07/24/03	08/22/03	345,790	40,720	Eff. Only								Vol.
			06/04/04	06/15/04	425,700	79,910	Eff. Only								Vol.
			11/19/04	02/22/05	487,840	59,770	Eff. Only								
			07/29/05	08/18/05	545,960	58,120	Eff. Only								Vol.
			06/23/06	--	632,820	86,860	--								Vol.
			01/05/07	5/9/07	715,770	82,950	16	ND	ND	ND					Vol.
			08/07/07	--	832,440	103,280	--								Vol.
			3/7/08	--	898,210	65,770	--								
			6/26/08	--	937,640	39,430	--								
			11/13/08	--	985,550	47,910	--								
			3/20/09	--	1,034,170	48,620	--								
			8/3/09	--	1,082,940	48,770	--								
			11/18/09	--	1,103,190	20,250	--								
			5/11/10		1,132,680	29,490									
			10/19/10		1,162,310	29,630									Vol.
			1/24/12	8/7/12	1,287,760	125,450	13	ND	ND	ND					Vol.
			9/25/12		1,294,250	131,940									
			5/28/13		1,328,670	34,420									
			11/4/13	1/20/14	1,383,690	55,020	Eff. Only								
			6/16/14		1,437,450	53,760									
			12/16/14		1,472,840	35,390									
			7/23/15		1,515,450	42,610									
			11/4/15		1,535,870	20,420									
			7/28/16		1,571,650	35,780									
			5/17/17		1,576,700	5,050									
			12/3/18	7/2/19	1,643,780	67,080	5.8	ND	ND	ND	ND	ND	ND	ND	
		1	8/27/19	-	1,670,280	26,500									
	JL-100	2	5/6/21	6/22/21	1,759,050	88,770	6.4	ND	ND	ND	ND	ND	ND	ND	
		1	7/14/22	12/20/22	1,849,600	90,550	4.3	ND	ND	ND	ND	ND	-	-	
		1	8/31/23		1,967,570	117,970									

Notes:
TCE = Trichloroethylene
PCE = Tetrachloroethylene
1,1,1-TCA = 1,1,1-Trichloroethane
1,1-DCE = 1,1-Dichloroethene
R-11 = Trichlorofluoromethane, Fluorotrichloromethane, Freon11
ppb = parts per billion, equivalent to micrograms per liter (ug/L)
ND = No Detection
NA = Not Applicable
- = Sample was not collected
< > = Contaminant concentrations were detected below the quantifiable limit
J Flag = Reported value was between the limit of detection and the limit of quantitation
"Well: XX001-XX004" etc. are arbitrary WI Unique Well Numbers
Meter zeros at 10,000,000 gallons
JL-100 and JL-300 specification limits are listed under headers for Volume Used and the four tracked contaminants.
Jan./'July'--The tick marks indicate that the influent gets sampled in July.
/ / c = Col. Bact. Sampled w/ VOCs Inf.

APPENDIX A

LANDFILL MONITORING TASKS

APPENDIX A

LANDFILL MONITORING TASKS

TASK 1
WEEKLY MONITORING/SAMPLING REQUIREMENTS

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments
FENCED AREA AT FLARE BUILDING	
Check blower/flare for vandalism and check flame sensor	Clean UV flame sensor - system must be shut down and auto dialer disabled.
Measure oxygen (O_2), methane (CH_4), carbon dioxide (CO_2), and balance gas at blower.	Sample port downstream of valve, downstream of blower - use Landtec GEM-500 gas monitor
Record blower pressure reading	Gauge on header line upstream of valve, upstream of blower - inches of water
Record header line pressure reading	Sample port on header line upstream of valve, upstream of blower - inches of water - use GEM-500 gas monitor
Measure gas temperature	Sample port downstream of valve, downstream of blower - use thermometer
Measure/calculate gas flow and velocity at blower	Sample port downstream of valve, downstream of blower - use anemometer
Measure static pressure after blower	Sample port downstream of valve, downstream of blower - use GEM-500 gas monitor
Check blower/flare fasteners	See Operation and Monitoring Manual
Check explosion relief valve operation	See Operation and Monitoring Manual - system must be shut down and auto dialer disabled
Measure and record condensate/leachate depth in tank	Underground tank adjacent to and north of fenced area--dispose if >3,000 gallons. Condensate/leachate hauled by Pinky's Sewer Service, Lakeland, MN (651-436-5788) to Hudson, WI, WWTP (715-386-4767).
Lubricate blower motor	See Operating and Maintenance Manual

TASK 1 (Continued)
WEEKLY MONITORING/SAMPLING REQUIREMENTS

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments
LANDFILL LEACHATE EXTRACTION WELL	
Record pressure, drawdown and cycling time for each pump	
LANDFILL CAP - Record Following Observations	
Condition of ground: frozen/wet soils, ponding water, stressed vegetation, leachate seep, etc.	
ATMOSPHERIC DATA	
Record ambient temperature, barometric pressure, and barometric pressure trend	Obtain from the National Weather Service at Minneapolis-St. Paul International Airport; Phone (952-361-6680 for recording or -6708)
SAMPLING OF PRIVATE WATER SUPPLY WELLS	
Sample influent within two weeks of initial GAC filter installation for VOCs (EPA Method 8021 or 8260). In addition, sample effluent if TCE has been previously detected at or above 2.0 ug/L. If TCE has previously been detected below 2.0 ug/L, sample effluent every 3rd filter change-out.	Laboratory results are to be sent to the well owner/consumer.
COMMUNITY RELATIONS	
Respond to inquiries and concerns as they arise	

Note: Above task information revised from the Junker Landfill Remedial Investigation Report by Wenck Associates, Inc., date 4/95. Last revised 01/2020.

TASK 2
BI-WEEKLY MONITORING/SAMPLING REQUIREMENTS

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments

Task 1 -- Weekly Monitoring/Sampling Requirements, plus the following:

FENCED AREA AT FLARE BUILDING

Calculate extracted gas volumes at blower — See Operating and Maintenance Manual

SAMPLING OF PRIVATE WATER SUPPLY WELLS

Continue scheduling and sampling private water supply wells and report laboratory analytical results to the well owner/consumer

Note: Above task information revised from the Junker Landfill Remedial Investigation Report by Wenck Associates, Inc., date 4/95. Last revised 01/2020.

TASK 3
MONTHLY MONITORING/SAMPLING REQUIREMENTS

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments
Task 1 -- Weekly Monitoring/Sampling Requirements **Task 2 -- Bi-Weekly Monitoring/Sampling Requirements, plus the following:**	
FENCED AREA AT FLARE BUILDING	
Exercise valves at blower	See Operation and Maintenance Manual
Measure pressure drop across flame arrestor. Record down-stream pressure as pressure to flare also.	Sample ports on opposite sides of flame arrestor - inches of water
GAS MEASUREMENTS	
Gas Probes -GMW-6S, 6M, 6D and GMW-8S (add GMW-5S, 5M, 5D and GMW-8M and 8D if GMW-6 or GMW-8S has methane; add the remaining probes from GMW-3 through GMW-10 if either GMW-5S, 5M, 5D, GMW-8M or 8D also has methane)	
Measure probe vacuum, record static pressure; Measure probe O_2, CH_4, and CO_2, balance gas	Probe Head Connection-use GEM-500 gas monitor Electronic submittal to Madison quarterly
Inspect probe for repair/maintenance	
Gas Extraction Wells - GEW-3, GEW-5 through GEW-12, and GEW-19 through GEW-21	
Measure well-head vacuum	Well Head Sample Port - use GEM-500 gas monitor
Measure lateral vacuum at well head	Lateral Sample Port - use GEM-500 gas monitor
Measure well-head temperature	Lateral Sample Port - use thermometer. Measure at well-head port if possible, only use lateral sample port if well head sample port has physical constraints or measurements at the two sample ports have been shown to be the same by comparison
Measure well head O_2, CH_4, CO_2 and balance gas	Lateral Sample Port - use GEM-500 gas monitor Wells that have valve closed - open valve and purge well for minimum of two minutes prior to taking readings
Measure/calculate well head gas flow and velocity	Lateral Sample Port - use anemometer
Check and record valve opening on wells	
Drain lines at GEW-3, GEW-5 and GEW-6	Electronic data submittal to Madison quarterly

TASK 3 (Continued)
MONTHLY MONITORING/SAMPLING REQUIREMENTS

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments
LEACHATE MEASUREMENTS	
Gas Extraction Wells - GEW-7 through GEW-10, and GEW-21	
Measure leachate depths at well head; perform measurements listed above first	Manually run pumps at GEW-7 through GEW-10 for 5 minutes, then shut off pumps at GEW-7 through GEW-10. Measure leachate depth in these wells last. Valve off gas flow before removing the fitting at the access portal, see O & M Plan
Leachate Extraction Well - LEW-1	
Measure leachate depth at well head	Turn pump off before leachate measurements begin. Measure leachate here after other wells have been measured
Inspect well head for vandalism, etc.	Electronic submittal to Madison quarterly
Inspect well-head piping	
LANDFILL CAP - Record Observations	
Differential Settling	Annual Repair
Erosion	If major, repair immediately
Vegetative deterioration/dead areas and growth	Semi-annually repair
Condition of access road	Repair as needed
Condition of drainage-way, spillways, erosion-control structures, and devices	Repair as needed
Effectiveness of infiltration basins based on monthly precipitation amounts	Note significant changes in water depth
Leachate seeps--inspect for and if present sample for SVOCs (Method 8270) and RCRA metals (ICP)	

TASK 3 (Continued)
MONTHLY MONITORING/SAMPLING REQUIREMENTS

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments

SAMPLING OF PRIVATE WATER SUPPLY WELLS

Continue scheduling and sampling private water supply wells and repot laboratory analytical results to the well owner/consumer

Confirm scheduling of filter exchanges with Culligan. Then arrange sampling schedules with well owners.

MISCELLANEOUS

Buildings	Note damage
Site Fence	Note damage
Culverts	Note damage or plugging
Garbage Accumulation/Removal	Removal to be performed annually
Snow Removal	Removal to be performed as required to permit access to perform O & M tasks.
Mowing	Mowing to be performed two times per year
Condition of concrete pads	Note damage
Condition of telephone and electrical services	Changes made if any

Note: Above task information revised from the Junker Landfill Remedial Investigation Report by Wenck Associates, Inc., dated 4/95. Last revision: 01/2020.

TASK 4
QUARTERLY MONITORING/SAMPLING REQUIREMENTS
(March, June, September, December)

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments

Task 1 -- Weekly Monitoring/Sampling Requirements
Task 2 -- Bi-Weekly Monitoring/Sampling Requirements
Task 3 -- Monthly Monitoring/Sampling Requirements, plus the following:

FENCED AREA AT FLARE BUILDING

Confirm seals in both driplegs - sediment not obstructing "U" position	Landfill

GAS MEASUREMENTS

Gas Probes - GMW-1A, 1B, 2A, 2B, 3, 4A, 4B, 5S, 5M, 5D, 6S, 6M, 6D, 7, 8S, 8M, 8D, 9, 10, MW-4, MW-7 and MW-13

Measure probe vacuum, record static pressure; Measure probe O_2, CH_4, and CO_2, balance gas	Probe Head Connection-use GEM-500 gas monitor Electronic submittal to Madison quarterly
Inspect probe for repair/maintenance	

Gas Extraction Wells -GEW-1 through GEW-15, and GEW-17 through GEW-21

Measure well-head vacuum	Well Head Sample Port - use GEM-500 gas monitor
Measure lateral vacuum at well head	Lateral Sample Port - use GEM-500 gas monitor
Measure well-head temperature	Lateral Sample Port - use thermometer. Measure at well-head port if possible, only use lateral sample port if well head sample port has physical constraints or measurements at the two sample ports have been shown to be the same by comparison
Measure well head O_2, CH_4, CO_2 and balance gas	Lateral Sample Port - use GEM-500 gas monitor Wells that have valve closed - open valve and purge well for minimum of two minutes prior to taking readings
Measure/calculate well head gas flow and velocity	Lateral Sample Port - use anemometer
Check and record valve opening on wells	
Drain lines at GEW-3, GEW-5 and GEW-6	Electronic data submittal to Madison quarterly

TASK 4 (Continued)
QUARTERLY MONITORING/SAMPLING REQUIREMENTS
(March, June, September, December)

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments
LEACHATE MEASUREMENTS	
Gas Extraction Wells - GEW-1 through GEW-15, and GEW-17 through GEW 21	
Measure leachate depths at well head; perform gas measurements listed above first	Measure leachate depth in these wells last.
Leachate Head Wells - LHW-1, 2, 3 and 4	
Measure leachate depths at well head	Electronic submittal to Madison quarterly
Inspect well head for vandalism, etc.	
Leachate Extraction Well - LEW-1	
Measure leachate depth at well head	Turn pump off before leachate measurements begin. Measure leachate here after other wells have been measured
Inspect well head for vandalism, etc.	Electronic submittal to Madison quarterly
Inspect well-head piping	
SAMPLING OF PRIVATE WATER SUPPLY WELLS	
Continue scheduling and sampling private water supply wells and repot laboratory analytical results to the well owner/consumer	

Note: Above task information revised from the Junker Landfill Remedial Investigation Report by Wenck Associates, Inc., dated 4/95. Last revised: 01/2020.

TASK 5
SEMI-ANNUAL MONITORING/SAMPLING REQUIREMENTS
(June and December)

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments

Task 1 -- Weekly Monitoring/Sampling Requirements
Task 2 -- Bi-Weekly Monitoring/Sampling Requirements
Task 3 -- Monthly Monitoring/Sampling Requirements
Task 4 -- Quarterly Monitoring/Sampling Requirements, plus the following:

FENCED AREA AT FLARE BUILDING

Confirm seals in both driplegs -- sediment not obstructing "U" position	Landfill

GAS MEASUREMENTS

Gas Probes - GMW-1A, 1B, 2A, 2B, 3, 4A, 4B, 5S, 5M, 5D, 6S, 6M, 6D, 7, 8S, 8M, 8D, 9, 10, MW-4, MW-7 and MW-13

Measure probe vacuum, record static pressure; Measure probe O_2, CH_4, and CO_2, balance gas	Probe Head Connection-use GEM-500 gas monitor Electronic submittal to Madison quarterly
Inspect probe for repair/maintenance	

Gas Extraction Wells - GEW-1 through GEW-15, GEW-17 through GEW-21

Measure well-head vacuum	Well Head Sample Port - use GEM-500 gas monitor
Measure lateral vacuum at well head	Lateral Sample Port - use GEM-500 gas monitor
Measure well-head temperature	Lateral Sample Port - use thermometer. Measure at well-head port if possible, only use lateral sample port if well head sample port has physical constraints or measurements at the two sample ports have been shown to be the same by comparison
Measure well head O_2, CH_4, CO_2 and balance gas	Lateral Sample Port - use GEM-500 gas monitor Wells that have valve closed - open valve and purge well for minimum of two minutes prior to taking readings
Measure/calculate well head gas flow and velocity	Lateral Sample Port - use anemometer
Check and record valve opening on wells	
Drain lines at GEW-3, GEW-5 and GEW-6	Electronic submittal of data to Madison

TASK 5 (continued)
SEMI-ANNUAL MONITORING/SAMPLING REQUIREMENTS
(June and December)

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments
LEACHATE MEASUREMENTS	
Gas Extraction Wells - GEW-1 through GEW-15, and GEW-17 through GEW 21	
Measure leachate depths at well head; perform gas measurements listed above first	Measure leachate depth in these wells last.
Leachate Head Wells - LHW-1, 2, 3 and 4	
Measure leachate depths at well head	Electronic submittal to Madison quarterly
Inspect well head for vandalism, etc.	
Leachate Extraction Well - LEW-1	
Measure leachate depth at well head	Turn pump off before leachate measurements begin. Measure leachate here after other wells have been measured
Inspect well head for vandalism, etc.	Electronic submittal to Madison quarterly
Inspect well-head piping	
METHANE MEASUREMENTS AT PRIVATE RESIDENCES	
Check methane monitor in basement if gas extraction system is inoperative for a period of time. Perform maintenance if required	888 E. Highway 12 890 E. Highway 12 898 E. Highway 12 902 Alexander Rd. Checks their monitor.

Note: Above task information revised from the Junker Landfill Remedial Investigation Report by Wenck Associates, Inc., dated 4/95. Last revised: 01/2020.

TASK 6
ANNUAL MONITORING/SAMPLING REQUIREMENTS
(June)

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments

Task 1 -- Weekly Monitoring/Sampling Requirements
Task 2 -- Bi-Weekly Monitoring/Sampling Requirements
Task 3 -- Monthly Monitoring/Sampling Requirements
Task 4 -- Quarterly Monitoring/Sampling Requirements
Task 5 – Semi-Annual Monitoring/Sampling Requirements, plus the following:

FENCED AREA AT FLARE BUILDING

Sample blower for following analyses:	Sample port after valve following blower with Summa canister. Sample annually
VOC scan (EPA Method TO-14 or 15)	
Sample condensate/leachate from storage tank and test for the following:	Sample obtained from access port w/ disposable bailer.
Field Conductivity at 25° C	Electronic submittal of data to Madison
Field pH	
Total Suspended Solids (TSS)*	Method SM25440D
$BOD_{5\ Day}$ (24-hour hold time)*	Method SM5210B
COD	Method 410.4
Fe, Mn, Cu, Ni, Zn, Mo, total	Method 200.7 or 6010
As, Cd, Cr, Pb, Hg, Se, Ag, total	Method 200.7 or 6010 (Hg by EPA 245.1)
Cyanide	Method 335.4 or 9010A
Alkalinity	Method 310.2
Chlorides	Method 325.2
Total Kjeldahl Nitrogen	Method 351.2
Total Phosphorous	Method 365.1
VOCs (Chloroform included)	Method 8021 or 8260
Semi-Volatiles	Method 8270

*$BOD_{5\ Day}$ and TSS are analyzed by the waste treatment facility each month.

Confirm seals in both driplegs -- sediment not obstructing "U" position	Landfill

GROUNDWATER MONITORING

A. Monitoring Wells

Sample groundwater for analysis from the following monitoring wells: MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14,	Dedicated bailers are used for purging and collection Field blanks (2) are collected during sample collection.

TASK 6 (Continued)
ANNUAL MONITORING/SAMPLING REQUIREMENTS
(June)

Cedar Corporation
Junker Landfill Gas Extraction System

Task Description	Comments
GROUNDWATER MONITORING (cont.)	
MW-15A, MW-15B (**biennial**), MW-15C, MW-16, Trip Blank (1), Duplicates (2)	Report MW-15 results to 947 Bakken Ln (Steve Bakken) Report MW-12 results to Scott Fortune, 891 Alexander Rd, Roberts, WI 54023
In-Field and Analytical Parameters:	Electronic submittal of data to Madison Duplicates to receive only VOCs anal.
Groundwater elevation	
Temperature	
Conductivity at 25° C	
pH	
Alkalinity	Method 310.2
Chlorides	Method 325.2
COD	Method 410.4
Total Hardness, filtered in field	
Fe, dissolved, filtered in field	Method 200.7 or 6010
Mn, dissolved, filtered in field	Method 200.7 or 6010
VOCs	EPA Method 8021 or 8260
SVOCs on MW-3 or MW-13	EPA Method 8270

B. Private Water Supply Wells

Schedule and sample private water supply wells for VOCs (EPA Method 8021 or 8260) within the SWCA in which GAC filters are not installed. Private water supply wells without GAC filters are included in Table 14 of the Annual Junker Landfill Report and noted with "water is not filtered". Repot laboratory analytical results to the well owner/consumer.

COMMUNITY RELATIONS

Send Annual Report to Town of Hudson (Clerk, 980 Co. Rd A, Hudson, WI 54016) and Hudson Public Library (Kathy Norden, 911 4th St., Hudson, WI 54016). Appendices placed on CD where feasible.

Note: Above task information revised from the Junker Landfill Remedial Investigation Report by Wenck Associates, Inc., dated 4/95. Last revised: 01/2020.

APPENDIX B

LABORATORY ANALYTICAL REPORT – GROUNDWATER MONITORING WELLS AND CONDENSATE/LEACHATE TANK

LABORATORY ANALYTICAL REPORTS – LANDFILL GAS

APPENDIX B

LABORATORY ANALYTICAL REPORT – GROUNDWATER MONITORING WELLS AND CONDENSATE/LEACHATE TANK

LABORATORY ANALYTICAL REPORTS – LANDFILL GAS

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 7/5/2023 2:56:27 PM

JOB DESCRIPTION

Junker Landfill

JOB NUMBER

500-234942-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

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Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

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Authorization

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Job ID: 500-234942-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-234942-1

Receipt
The samples were received on 6/8/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.4º C, 1.9º C and 2.0º C.

Receipt Exceptions
A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). Added to COC and logged in.

Received plastic 500ml unpreserved with Alkalinity, Chloride and pH on the bottles. PH not on COC.

GC/MS VOA
Method 8260B: Acetone was detected in the following samples: MW-18B (500-234942-19), Leachate (500-234942-20) and Trip Blank (500-234942-21). Acetone is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260B: The method blank for analytical batch 500-718468 contained Methylene Chloride above the reporting limit.
Low level Methylene chloride was detected in the following samples: MW-6 (500-234942-2), MW-7 (500-234942-3), MW-8 (500-234942-4), MW-9 (500-234942-5), MW-10 (500-234942-6), MW-15A (500-234942-7), MW-15B (500-234942-8), MW-15C (500-234942-9), MW-11 (500-234942-10), MW-12 (500-234942-11), MW-13 (500-234942-12), MW-14 (500-234942-13), MW-16 (500-234942-14), MW-16B (500-234942-15), MW-17A (500-234942-16), MW-17B (500-234942-17), MW-18A (500-234942-18) and (MB 500-718468/6) Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260B: The method blank for analytical batch 500-718468 contained Acetone and Chloromethane above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E: The continuing calibration verification (CCV) analyzed in batch 500-717703 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, Hexachlorocyclopentadiene and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) analyzed in 500-717703 was outside the method criteria for the following analyte(s): 2-Fluorophenol (Surr), 2-Methylnaphthalene, 2-Nitroaniline, Benzo[g,h,i]perylene, Bis(2-ethylhexyl) phthalate, Dibenz(a,h)anthracene, Di-n-octyl phthalate, Indeno[1,2,3-cd]pyrene and Phenol. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method SM 5210B: One or more of the glucose-glutamic acid standards (LCS) replicates for BOD recovered outside the recovery limits specified in the method in batch 500-718340; however, the average recovery is within control limits. The method requirement is for the average recovery of the LCS replicates to meet criteria; therefore, no further action is required. Data has been flagged to indicate individual LCS recoveries that did not meet criteria.

Job ID: 500-234942-1 (Continued)

Laboratory: Eurofins Chicago (Continued)

Method SM 5210B: The method blank result associated with batch 500-718340 was 0.42 mg/L, which is higher than the method-required limit of 0.2 mg/L.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-4 — Lab Sample ID: 500-234942-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.33	J B	5.0	0.32	ug/L	1		8260B	Total/NA
Trichloroethene	1.0		0.50	0.16	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	278		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	226		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	17.4		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	7.0	J	10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	541				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.1				SU	1		Field Sampling	Total/NA
Field Temperature	20.0				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	897.47				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 500-234942-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.34	J B	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.9	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.40	J	0.50	0.16	ug/L	1		8260B	Total/NA
Manganese	0.0023	J	0.010	0.0023	mg/L	1		6010B	Dissolved
Hardness as calcium carbonate	315		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	254		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	28.8		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	10.4		10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	624				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.23				SU	1		Field Sampling	Total/NA
Field Temperature	19.6				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	897.18				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 500-234942-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.41	J B	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.9	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.99		0.50	0.16	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	267		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	217		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	20.2		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Field Color	Y				NONE	1		Field Sampling	Total/NA
Field Conductivity	429				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.68				SU	1		Field Sampling	Total/NA
Field Temperature	18.1				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	Y				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	899.17				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-8 — Lab Sample ID: 500-234942-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.39	J B	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.9	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	283		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	214		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	28.6		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	575				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.42				SU	1		Field Sampling	Total/NA
Field Temperature	18.2				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	898.02				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 500-234942-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.40	J B	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.9	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	269		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	221		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	15.6		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	14.4		10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	698				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.65				SU	1		Field Sampling	Total/NA
Field Temperature	16.4				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	897.70				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 500-234942-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.0	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.0		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	2.6		0.50	0.16	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	1.5		1.0	0.43	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	262		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	216		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	11.0		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	472				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.79				SU	1		Field Sampling	Total/NA
Field Temperature	16.2				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	897.32				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-15A — Lab Sample ID: 500-234942-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.0	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	1.0		0.50	0.16	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	276		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	238		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	20.1		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	15.9		10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	Y				NONE	1		Field Sampling	Total/NA
Field Conductivity	475				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.96				SU	1		Field Sampling	Total/NA
Field Temperature	20.5				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	Y				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	850.76				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-15B — Lab Sample ID: 500-234942-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.33	J B	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	5.1	B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	281		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	226		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	21.0		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	497				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.9				SU	1		Field Sampling	Total/NA
Field Temperature	21.7				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	850.86				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-15C — Lab Sample ID: 500-234942-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.7	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	1.3		0.50	0.16	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	272		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	236		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	18.6		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	9.9	J	10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	518				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.51				SU	1		Field Sampling	Total/NA
Field Temperature	20.8				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	851.25				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 500-234942-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.32	J B	5.0	0.32	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-11 (Continued) — Lab Sample ID: 500-234942-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.1	B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	1.1		0.50	0.16	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	341		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	212		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	12.9		4.0	2.0	mg/L	2		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	15.9		10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	515				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.74				SU	1		Field Sampling	Total/NA
Field Temperature	13.9				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	900.91				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 500-234942-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.1	B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.79	J	1.0	0.43	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	372		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	331		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	3.1		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	23.8		10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	657				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.3				SU	1		Field Sampling	Total/NA
Field Temperature	18.0				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	Y				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	908.72				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 500-234942-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.2	B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	6.2		0.50	0.16	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	1.7	J ^c	8.1	1.4	ug/L	1		8270E	Total/NA
Di-n-butyl phthalate	0.90	J	4.1	0.59	ug/L	1		8270E	Total/NA
Hardness as calcium carbonate	258		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	217		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	13.4		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	492				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.75				SU	1		Field Sampling	Total/NA
Field Temperature	13.3				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	898.67				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-14 — Lab Sample ID: 500-234942-13

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.0	B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.40	J	0.50	0.16	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	289		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	237		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	31.1		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	43.7		10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	Y				NONE	1		Field Sampling	Total/NA
Field Conductivity	582				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	8.05				SU	1		Field Sampling	Total/NA
Field Temperature	14.4				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	Y				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	897.01				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-16 — Lab Sample ID: 500-234942-14

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.8	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	282		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	232		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	7.1		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	7.0	J	10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	498				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.8				SU	1		Field Sampling	Total/NA
Field Temperature	13.5				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	851.34				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-16B — Lab Sample ID: 500-234942-15

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.7	B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.19	J	0.50	0.16	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	302		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	231		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	17.6		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	7.4	J	10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	566				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.76				SU	1		Field Sampling	Total/NA
Field Temperature	14.1				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	852.34				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-17A — Lab Sample ID: 500-234942-16

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.3	B	5.0	1.6	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	197		0.91	0.46	mg/L	1		SM 2340B	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-17A (Continued) — Lab Sample ID: 500-234942-16

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Alkalinity	184		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	26.5		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Field Color	Y				NONE	1		Field Sampling	Total/NA
Field Conductivity	538				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	8.2				SU	1		Field Sampling	Total/NA
Field Temperature	12.5				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	Y				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	855.31				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-17B — Lab Sample ID: 500-234942-17

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.6	B	5.0	1.6	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	260		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	208		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	24.6		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Chemical Oxygen Demand	6.0	J	10.0	6.0	mg/L	1		SM 5220C	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	494				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.98				SU	1		Field Sampling	Total/NA
Field Temperature	11.6				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	849.84				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-18A — Lab Sample ID: 500-234942-18

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.9	B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.35	J	0.50	0.16	ug/L	1		8260B	Total/NA
Manganese	0.19		0.010	0.0023	mg/L	1		6010B	Dissolved
Hardness as calcium carbonate	254		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	237		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Chloride	15.7		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	502				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.81				SU	1		Field Sampling	Total/NA
Field Temperature	12.2				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	847.62				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-18B — Lab Sample ID: 500-234942-19

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.8	J B	10	1.7	ug/L	1		8260B	Total/NA
Chloroform	1.1	J	2.0	0.37	ug/L	1		8260B	Total/NA
Chloromethane	2.0	J B	5.0	0.32	ug/L	1		8260B	Total/NA
Trichloroethene	1.3		0.50	0.16	ug/L	1		8260B	Total/NA
Hardness as calcium carbonate	280		0.91	0.46	mg/L	1		SM 2340B	Dissolved
Alkalinity	231		5.0	3.7	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-18B (Continued) — Lab Sample ID: 500-234942-19

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloride	22.0		2.0	1.0	mg/L	1		SM 4500 Cl- E	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	546				umhos/cm	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.8				SU	1		Field Sampling	Total/NA
Field Temperature	12.4				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Groundwater Elevation (ft MSL)	847.75				ft	1		Field Sampling	Total/NA

Client Sample ID: Leachate — Lab Sample ID: 500-234942-20

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	25	B	10	1.7	ug/L	1		8260B	Total/NA
Benzene	0.56		0.50	0.15	ug/L	1		8260B	Total/NA
Chlorobenzene	0.99	J	1.0	0.39	ug/L	1		8260B	Total/NA
Chloroform	0.91	J	2.0	0.37	ug/L	1		8260B	Total/NA
Ethylbenzene	1.3		0.50	0.18	ug/L	1		8260B	Total/NA
Chloromethane	1.9	J B	5.0	0.32	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	4.5	J	5.0	2.1	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	0.44	J	1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	1.6		1.0	0.34	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	2.2		1.0	0.36	ug/L	1		8260B	Total/NA
4-Isopropyltoluene	2.3		1.0	0.36	ug/L	1		8260B	Total/NA
Tetrahydrofuran	360		10	1.9	ug/L	1		8260B	Total/NA
Toluene	2.1		0.50	0.15	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	1.2		1.0	0.36	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	2.1		1.0	0.25	ug/L	1		8260B	Total/NA
Xylenes, Total	30		1.0	0.22	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	1.2	J	1.6	0.17	ug/L	1		8270E	Total/NA
2,4-Dimethylphenol	4.6	J	8.0	1.4	ug/L	1		8270E	Total/NA
2-Methylnaphthalene	0.14	J ^c	1.6	0.052	ug/L	1		8270E	Total/NA
Bis(2-ethylhexyl) phthalate	1.8	J ^c	8.0	1.4	ug/L	1		8270E	Total/NA
Di-n-butyl phthalate	1.0	J	4.0	0.58	ug/L	1		8270E	Total/NA
Naphthalene	1.3		0.80	0.25	ug/L	1		8270E	Total/NA
Arsenic	0.0075	J	0.010	0.0037	mg/L	1		6010B	Total/NA
Copper	0.0070	J B	0.010	0.0018	mg/L	1		6010B	Total/NA
Iron	21.7		0.20	0.082	mg/L	1		6010B	Total/NA
Manganese	0.89		0.010	0.0023	mg/L	1		6010B	Total/NA
Nickel	0.014		0.010	0.0019	mg/L	1		6010B	Total/NA
Hardness as calcium carbonate	776		0.91	0.46	mg/L	1		SM 2340B	Total/NA
Cyanide, Total	0.0058		0.0050	0.0036	mg/L	1		335.4	Total/NA
Nitrogen, Kjeldahl	122	B	20.0	11.3	mg/L	50		4500 NH3 G	Total/NA
Alkalinity	1570		5.0	3.7	mg/L	1		SM 2320B	Total/NA
Total Suspended Solids	81.4		16.7	6.4	mg/L	1		SM 2540D	Total/NA
Chloride	325		20.0	10	mg/L	10		SM 4500 Cl- E	Total/NA
Phosphorus as P	0.39		0.050	0.024	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	16.1	b *	2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	274		100	60.4	mg/L	10		SM 5220C	Total/NA
Field Color	Y				NONE	1		Field Sampling	Total/NA
Field Conductivity	1887				umhos/cm	1		Field Sampling	Total/NA
Field Odor	Y				NONE	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Leachate (Continued) — Lab Sample ID: 500-234942-20

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Field pH	7.03				SU	1		Field Sampling	Total/NA
Field Temperature	17.5				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	Y				NONE	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-234942-21

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.3	J	2.0	0.37	ug/L	1		8260B	Total/NA
Chloromethane	2.0	J B	5.0	0.32	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
6010B	Metals (ICP)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
335.4	Cyanide, Total	EPA	EET CHI
4500 NH3 G	4500NH3 G - Nitrogen, Total Kjeldahl'	SM	EET CHI
SM 2320B	Alkalinity	SM	EET CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CHI
SM 4500 Cl- E	Chloride, Total	SM	EET CHI
SM 4500 P E	Phosphorus	SM	EET CHI
SM 5210B	BOD, 5-Day	SM	EET CHI
SM 5220C	COD	SM	EET CHI
Field Sampling	Field Sampling	EPA	EET CHI
3010A	Preparation, Total Metals	SW846	EET CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI
Distill/CN	Distillation, Cyanide	None	EET CHI
SM 4500 P B	Phosphorous, Total and Ortho	SM	EET CHI
SM 5220	COD	SM	EET CHI
SM4500Norg_C	Preparation, Nitrogen -Total Kjeldahl	SM	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-234942-1	MW-4	Water	06/06/23 13:30	06/08/23 09:50
500-234942-2	MW-6	Water	06/06/23 10:50	06/08/23 09:50
500-234942-3	MW-7	Water	06/06/23 13:00	06/08/23 09:50
500-234942-4	MW-8	Water	06/06/23 12:30	06/08/23 09:50
500-234942-5	MW-9	Water	06/06/23 10:00	06/08/23 09:50
500-234942-6	MW-10	Water	06/06/23 10:10	06/08/23 09:50
500-234942-7	MW-15A	Water	06/06/23 14:30	06/08/23 09:50
500-234942-8	MW-15B	Water	06/06/23 14:45	06/08/23 09:50
500-234942-9	MW-15C	Water	06/06/23 15:10	06/08/23 09:50
500-234942-10	MW-11	Water	06/07/23 12:00	06/08/23 09:50
500-234942-11	MW-12	Water	06/07/23 14:00	06/08/23 09:50
500-234942-12	MW-13	Water	06/07/23 11:20	06/08/23 09:50
500-234942-13	MW-14	Water	06/07/23 10:50	06/08/23 09:50
500-234942-14	MW-16	Water	06/07/23 10:20	06/08/23 09:50
500-234942-15	MW-16B	Water	06/07/23 10:00	06/08/23 09:50
500-234942-16	MW-17A	Water	06/07/23 08:40	06/08/23 09:50
500-234942-17	MW-17B	Water	06/07/23 09:00	06/08/23 09:50
500-234942-18	MW-18A	Water	06/07/23 09:20	06/08/23 09:50
500-234942-19	MW-18B	Water	06/07/23 09:40	06/08/23 09:50
500-234942-20	Leachate	Water	06/07/23 15:00	06/08/23 09:50
500-234942-21	Trip Blank	Water	06/07/23 00:00	06/08/23 09:50

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-4

Date Collected: 06/06/23 13:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 14:07	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 14:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 14:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 14:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 14:07	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 14:07	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 14:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 14:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 14:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 14:07	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 14:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 14:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 14:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 14:07	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 14:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 14:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 14:07	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 14:07	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 14:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 14:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 14:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 14:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 14:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 14:07	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 14:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 14:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 14:07	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 14:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 14:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 14:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 14:07	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 14:07	1
Chloromethane	**0.33**	**J B**	5.0	0.32	ug/L			06/14/23 14:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 14:07	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/14/23 14:07	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 14:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 14:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 14:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 14:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 14:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 14:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 14:07	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 14:07	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 14:07	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 14:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 14:07	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 14:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 14:07	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 14:07	1

Client Sample ID: MW-4
Date Collected: 06/06/23 13:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 14:07	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 14:07	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 14:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 14:07	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 14:07	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 14:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 14:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 14:07	1
Trichloroethene	**1.0**		0.50	0.16	ug/L			06/14/23 14:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 14:07	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 14:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 14:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 14:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 14:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*06/14/23 14:07*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*06/14/23 14:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*06/14/23 14:07*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/14/23 14:07*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 18:32	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 18:32	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**278**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**226**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**17.4**		2.0	1.0	mg/L			06/12/23 11:54	1
Chemical Oxygen Demand (SM 5220C)	**7.0**	**J**	10.0	6.0	mg/L		06/09/23 08:20	06/09/23 12:58	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/06/23 13:30	1
Field Conductivity	**541**				umhos/cm			06/06/23 13:30	1
Field Odor	**N**				NONE			06/06/23 13:30	1
Field pH	**7.1**				SU			06/06/23 13:30	1
Field Temperature	**20.0**				Degrees C			06/06/23 13:30	1
Field Turbidity	**N**				NONE			06/06/23 13:30	1
Groundwater Elevation (ft MSL)	**897.47**				ft			06/06/23 13:30	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-6

Date Collected: 06/06/23 10:50
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 14:31	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 14:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 14:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 14:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 14:31	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 14:31	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 14:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 14:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 14:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 14:31	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 14:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 14:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 14:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 14:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 14:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 14:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 14:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 14:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 14:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 14:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 14:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 14:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 14:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 14:31	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 14:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 14:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 14:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 14:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 14:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 14:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 14:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 14:31	1
Chloromethane	**0.34**	**J B**	5.0	0.32	ug/L			06/14/23 14:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 14:31	1
Methylene Chloride	**3.9**	**J B**	5.0	1.6	ug/L			06/14/23 14:31	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 14:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 14:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 14:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 14:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 14:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 14:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 14:31	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 14:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 14:31	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 14:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 14:31	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 14:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 14:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 14:31	1

Client Sample ID: MW-6
Date Collected: 06/06/23 10:50
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 14:31	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 14:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 14:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 14:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 14:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 14:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 14:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 14:31	1
Trichloroethene	**0.40**	**J**	0.50	0.16	ug/L			06/14/23 14:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 14:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 14:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 14:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 14:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 14:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*06/14/23 14:31*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*06/14/23 14:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*06/14/23 14:31*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/14/23 14:31*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 18:55	1
Manganese	**0.0023**	**J**	0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 18:55	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**315**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**254**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**28.8**		2.0	1.0	mg/L			06/14/23 10:04	1
Chemical Oxygen Demand (SM 5220C)	**10.4**		10.0	6.0	mg/L		06/09/23 08:20	06/09/23 12:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/06/23 10:50	1
Field Conductivity	**624**				umhos/cm			06/06/23 10:50	1
Field Odor	**N**				NONE			06/06/23 10:50	1
Field pH	**7.23**				SU			06/06/23 10:50	1
Field Temperature	**19.6**				Degrees C			06/06/23 10:50	1
Field Turbidity	**N**				NONE			06/06/23 10:50	1
Groundwater Elevation (ft MSL)	**897.18**				ft			06/06/23 10:50	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-7

Date Collected: 06/06/23 13:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 14:55	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 14:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 14:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 14:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 14:55	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 14:55	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 14:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 14:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 14:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 14:55	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 14:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 14:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 14:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 14:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 14:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 14:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 14:55	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 14:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 14:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 14:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 14:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 14:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 14:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 14:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 14:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 14:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 14:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 14:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 14:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 14:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 14:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 14:55	1
Chloromethane	**0.41**	**J B**	5.0	0.32	ug/L			06/14/23 14:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 14:55	1
Methylene Chloride	**3.9**	**J B**	5.0	1.6	ug/L			06/14/23 14:55	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 14:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 14:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 14:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 14:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 14:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 14:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 14:55	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 14:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 14:55	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 14:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 14:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 14:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 14:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 14:55	1

Client Sample ID: MW-7
Date Collected: 06/06/23 13:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 14:55	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 14:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 14:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 14:55	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 14:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 14:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 14:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 14:55	1
Trichloroethene	**0.99**		0.50	0.16	ug/L			06/14/23 14:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 14:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 14:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 14:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 14:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 14:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*06/14/23 14:55*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*06/14/23 14:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*06/14/23 14:55*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/14/23 14:55*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 18:58	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 18:58	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**267**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**217**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**20.2**		2.0	1.0	mg/L			06/14/23 10:04	1
Chemical Oxygen Demand (SM 5220C)	<6.0		10.0	6.0	mg/L		06/09/23 08:20	06/09/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**Y**				NONE			06/06/23 13:00	1
Field Conductivity	**429**				umhos/cm			06/06/23 13:00	1
Field Odor	**N**				NONE			06/06/23 13:00	1
Field pH	**7.68**				SU			06/06/23 13:00	1
Field Temperature	**18.1**				Degrees C			06/06/23 13:00	1
Field Turbidity	**Y**				NONE			06/06/23 13:00	1
Groundwater Elevation (ft MSL)	**899.17**				ft			06/06/23 13:00	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-8

Date Collected: 06/06/23 12:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 15:19	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 15:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 15:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 15:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 15:19	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 15:19	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 15:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 15:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 15:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 15:19	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 15:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 15:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 15:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 15:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 15:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 15:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 15:19	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 15:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 15:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 15:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 15:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 15:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 15:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 15:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 15:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 15:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 15:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 15:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 15:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 15:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 15:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 15:19	1
Chloromethane	**0.39**	**J B**	5.0	0.32	ug/L			06/14/23 15:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 15:19	1
Methylene Chloride	**3.9**	**J B**	5.0	1.6	ug/L			06/14/23 15:19	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 15:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 15:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 15:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 15:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 15:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 15:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 15:19	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 15:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 15:19	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 15:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 15:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 15:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 15:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 15:19	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-8
Date Collected: 06/06/23 12:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 15:19	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 15:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 15:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 15:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 15:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 15:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 15:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 15:19	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/14/23 15:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 15:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 15:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 15:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 15:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 15:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*06/14/23 15:19*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/14/23 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*06/14/23 15:19*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/14/23 15:19*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:01	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:01	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**283**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**214**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**28.6**		2.0	1.0	mg/L			06/14/23 10:05	1
Chemical Oxygen Demand (SM 5220C)	<6.0		10.0	6.0	mg/L		06/09/23 08:20	06/09/23 13:01	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/06/23 12:30	1
Field Conductivity	**575**				umhos/cm			06/06/23 12:30	1
Field Odor	**N**				NONE			06/06/23 12:30	1
Field pH	**7.42**				SU			06/06/23 12:30	1
Field Temperature	**18.2**				Degrees C			06/06/23 12:30	1
Field Turbidity	**N**				NONE			06/06/23 12:30	1
Groundwater Elevation (ft MSL)	**898.02**				ft			06/06/23 12:30	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-9

Date Collected: 06/06/23 10:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 15:43	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 15:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 15:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 15:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 15:43	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 15:43	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 15:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 15:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 15:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 15:43	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 15:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 15:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 15:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 15:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 15:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 15:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 15:43	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 15:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 15:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 15:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 15:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 15:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 15:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 15:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 15:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 15:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 15:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 15:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 15:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 15:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 15:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 15:43	1
Chloromethane	**0.40**	**J B**	5.0	0.32	ug/L			06/14/23 15:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 15:43	1
Methylene Chloride	**3.9**	**J B**	5.0	1.6	ug/L			06/14/23 15:43	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 15:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 15:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 15:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 15:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 15:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 15:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 15:43	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 15:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 15:43	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 15:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 15:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 15:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 15:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 15:43	1

Client Sample ID: MW-9
Date Collected: 06/06/23 10:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 15:43	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 15:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 15:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 15:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 15:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 15:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 15:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 15:43	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			06/14/23 15:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 15:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 15:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 15:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 15:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 15:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*06/14/23 15:43*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*06/14/23 15:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/14/23 15:43*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/14/23 15:43*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:04	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:04	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**269**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**221**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**15.6**		2.0	1.0	mg/L			06/14/23 10:05	1
Chemical Oxygen Demand (SM 5220C)	**14.4**		10.0	6.0	mg/L		06/09/23 08:20	06/09/23 13:01	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/06/23 10:00	1
Field Conductivity	**698**				umhos/cm			06/06/23 10:00	1
Field Odor	**N**				NONE			06/06/23 10:00	1
Field pH	**7.65**				SU			06/06/23 10:00	1
Field Temperature	**16.4**				Degrees C			06/06/23 10:00	1
Field Turbidity	**N**				NONE			06/06/23 10:00	1
Groundwater Elevation (ft MSL)	**897.70**				ft			06/06/23 10:00	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-10

Date Collected: 06/06/23 10:10
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 16:08	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 16:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 16:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 16:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 16:08	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 16:08	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 16:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 16:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 16:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 16:08	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 16:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 16:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 16:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 16:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 16:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 16:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 16:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 16:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 16:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 16:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 16:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 16:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 16:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 16:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 16:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 16:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 16:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 16:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 16:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 16:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 16:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 16:08	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 16:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 16:08	1
Methylene Chloride	**4.0**	**J B**	5.0	1.6	ug/L			06/14/23 16:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 16:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 16:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 16:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 16:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 16:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 16:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 16:08	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 16:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 16:08	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 16:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 16:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 16:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 16:08	1
Tetrachloroethene	**1.0**		1.0	0.37	ug/L			06/14/23 16:08	1

Client Sample ID: MW-10
Date Collected: 06/06/23 10:10
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 16:08	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 16:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 16:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 16:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 16:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 16:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 16:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 16:08	1
Trichloroethene	**2.6**		0.50	0.16	ug/L			06/14/23 16:08	1
Trichlorofluoromethane	**1.5**		1.0	0.43	ug/L			06/14/23 16:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 16:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 16:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 16:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 16:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*06/14/23 16:08*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*06/14/23 16:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*06/14/23 16:08*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/14/23 16:08*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:07	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:07	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**262**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**216**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**11.0**		2.0	1.0	mg/L			06/14/23 10:05	1
Chemical Oxygen Demand (SM 5220C)	<6.0		10.0	6.0	mg/L		06/09/23 08:20	06/09/23 13:02	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/06/23 10:10	1
Field Conductivity	**472**				umhos/cm			06/06/23 10:10	1
Field Odor	**N**				NONE			06/06/23 10:10	1
Field pH	**7.79**				SU			06/06/23 10:10	1
Field Temperature	**16.2**				Degrees C			06/06/23 10:10	1
Field Turbidity	**N**				NONE			06/06/23 10:10	1
Groundwater Elevation (ft MSL)	**897.32**				ft			06/06/23 10:10	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-15A

Date Collected: 06/06/23 14:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 16:32	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 16:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 16:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 16:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 16:32	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 16:32	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 16:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 16:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 16:32	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 16:32	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 16:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 16:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 16:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 16:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 16:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 16:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 16:32	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 16:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 16:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 16:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 16:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 16:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 16:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 16:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 16:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 16:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 16:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 16:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 16:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 16:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 16:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 16:32	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 16:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 16:32	1
Methylene Chloride	**4.0**	**J B**	5.0	1.6	ug/L			06/14/23 16:32	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 16:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 16:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 16:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 16:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 16:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 16:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 16:32	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 16:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 16:32	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 16:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 16:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 16:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 16:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 16:32	1

Client Sample ID: MW-15A
Date Collected: 06/06/23 14:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 16:32	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 16:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 16:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 16:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 16:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 16:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 16:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 16:32	1
Trichloroethene	**1.0**		0.50	0.16	ug/L			06/14/23 16:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 16:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 16:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 16:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 16:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 16:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*06/14/23 16:32*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*06/14/23 16:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*06/14/23 16:32*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/14/23 16:32*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:10	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:10	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**276**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**238**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**20.1**		2.0	1.0	mg/L			06/14/23 10:06	1
Chemical Oxygen Demand (SM 5220C)	**15.9**		10.0	6.0	mg/L		06/09/23 08:20	06/09/23 13:03	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**Y**				NONE			06/06/23 14:30	1
Field Conductivity	**475**				umhos/cm			06/06/23 14:30	1
Field Odor	**N**				NONE			06/06/23 14:30	1
Field pH	**7.96**				SU			06/06/23 14:30	1
Field Temperature	**20.5**				Degrees C			06/06/23 14:30	1
Field Turbidity	**Y**				NONE			06/06/23 14:30	1
Groundwater Elevation (ft MSL)	**850.76**				ft			06/06/23 14:30	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-15B

Date Collected: 06/06/23 14:45
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 16:56	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 16:56	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 16:56	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 16:56	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 16:56	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 16:56	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 16:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 16:56	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 16:56	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 16:56	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 16:56	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 16:56	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 16:56	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 16:56	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 16:56	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 16:56	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 16:56	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 16:56	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 16:56	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 16:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 16:56	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 16:56	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 16:56	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 16:56	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 16:56	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 16:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 16:56	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 16:56	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 16:56	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 16:56	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 16:56	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 16:56	1
Chloromethane	**0.33**	**J B**	5.0	0.32	ug/L			06/14/23 16:56	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 16:56	1
Methylene Chloride	**5.1**	**B**	5.0	1.6	ug/L			06/14/23 16:56	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 16:56	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 16:56	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 16:56	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 16:56	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 16:56	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 16:56	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 16:56	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 16:56	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 16:56	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 16:56	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 16:56	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 16:56	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 16:56	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 16:56	1

Client Sample ID: MW-15B

Date Collected: 06/06/23 14:45
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 16:56	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 16:56	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 16:56	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 16:56	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 16:56	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 16:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 16:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 16:56	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			06/14/23 16:56	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 16:56	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 16:56	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 16:56	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 16:56	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 16:56	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*06/14/23 16:56*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/14/23 16:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*06/14/23 16:56*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/14/23 16:56*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:14	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:14	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**281**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**226**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**21.0**		2.0	1.0	mg/L			06/14/23 10:06	1
Chemical Oxygen Demand (SM 5220C)	<6.0		10.0	6.0	mg/L		06/09/23 08:20	06/09/23 13:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/06/23 14:45	1
Field Conductivity	**497**				umhos/cm			06/06/23 14:45	1
Field Odor	**N**				NONE			06/06/23 14:45	1
Field pH	**7.9**				SU			06/06/23 14:45	1
Field Temperature	**21.7**				Degrees C			06/06/23 14:45	1
Field Turbidity	**N**				NONE			06/06/23 14:45	1
Groundwater Elevation (ft MSL)	**850.86**				ft			06/06/23 14:45	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-15C

Date Collected: 06/06/23 15:10
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 17:20	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 17:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 17:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 17:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 17:20	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 17:20	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 17:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 17:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 17:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 17:20	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 17:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 17:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 17:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 17:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 17:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 17:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 17:20	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 17:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 17:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 17:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 17:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 17:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 17:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 17:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 17:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 17:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 17:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 17:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 17:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 17:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 17:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 17:20	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 17:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 17:20	1
Methylene Chloride	**4.7**	**J B**	5.0	1.6	ug/L			06/14/23 17:20	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 17:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 17:20	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 17:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 17:20	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 17:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 17:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 17:20	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 17:20	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 17:20	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 17:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 17:20	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 17:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 17:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 17:20	1

Client Sample ID: MW-15C
Date Collected: 06/06/23 15:10
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-9
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 17:20	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 17:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 17:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 17:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 17:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 17:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 17:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 17:20	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			06/14/23 17:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 17:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 17:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 17:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 17:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 17:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*06/14/23 17:20*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/14/23 17:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/14/23 17:20*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/14/23 17:20*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:17	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:17	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**272**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**236**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**18.6**		2.0	1.0	mg/L			06/14/23 10:06	1
Chemical Oxygen Demand (SM 5220C)	**9.9**	**J**	10.0	6.0	mg/L		06/10/23 07:57	06/10/23 10:56	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/06/23 15:10	1
Field Conductivity	**518**				umhos/cm			06/06/23 15:10	1
Field Odor	**N**				NONE			06/06/23 15:10	1
Field pH	**7.51**				SU			06/06/23 15:10	1
Field Temperature	**20.8**				Degrees C			06/06/23 15:10	1
Field Turbidity	**N**				NONE			06/06/23 15:10	1
Groundwater Elevation (ft MSL)	**851.25**				ft			06/06/23 15:10	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-11

Date Collected: 06/07/23 12:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 17:44	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 17:44	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 17:44	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 17:44	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 17:44	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 17:44	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 17:44	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 17:44	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 17:44	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 17:44	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 17:44	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 17:44	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 17:44	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 17:44	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 17:44	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 17:44	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 17:44	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 17:44	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 17:44	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 17:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 17:44	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 17:44	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 17:44	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 17:44	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 17:44	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 17:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 17:44	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 17:44	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 17:44	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 17:44	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 17:44	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 17:44	1
Chloromethane	**0.32**	**J B**	5.0	0.32	ug/L			06/14/23 17:44	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 17:44	1
Methylene Chloride	**5.1**	**B**	5.0	1.6	ug/L			06/14/23 17:44	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 17:44	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 17:44	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 17:44	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 17:44	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 17:44	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 17:44	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 17:44	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 17:44	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 17:44	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 17:44	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 17:44	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 17:44	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 17:44	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 17:44	1

Client Sample ID: MW-11

Date Collected: 06/07/23 12:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 17:44	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 17:44	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 17:44	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 17:44	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 17:44	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 17:44	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 17:44	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 17:44	1
Trichloroethene	**1.1**		0.50	0.16	ug/L			06/14/23 17:44	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 17:44	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 17:44	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 17:44	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 17:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 17:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*06/14/23 17:44*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/14/23 17:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/14/23 17:44*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/14/23 17:44*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:20	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:20	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**341**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**212**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**12.9**		4.0	2.0	mg/L			06/14/23 10:06	2
Chemical Oxygen Demand (SM 5220C)	**15.9**		10.0	6.0	mg/L		06/10/23 07:57	06/10/23 10:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/07/23 12:00	1
Field Conductivity	**515**				umhos/cm			06/07/23 12:00	1
Field Odor	**N**				NONE			06/07/23 12:00	1
Field pH	**7.74**				SU			06/07/23 12:00	1
Field Temperature	**13.9**				Degrees C			06/07/23 12:00	1
Field Turbidity	**N**				NONE			06/07/23 12:00	1
Groundwater Elevation (ft MSL)	**900.91**				ft			06/07/23 12:00	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-12

Date Collected: 06/07/23 14:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-11

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 18:08	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 18:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 18:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 18:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 18:08	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 18:08	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 18:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 18:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 18:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 18:08	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 18:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 18:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 18:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 18:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 18:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 18:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 18:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 18:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 18:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 18:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 18:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 18:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 18:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 18:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 18:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 18:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 18:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 18:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 18:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 18:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 18:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 18:08	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 18:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 18:08	1
Methylene Chloride	**5.1**	**B**	5.0	1.6	ug/L			06/14/23 18:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 18:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 18:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 18:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 18:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 18:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 18:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 18:08	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 18:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 18:08	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 18:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 18:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 18:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 18:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 18:08	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-12
Date Collected: 06/07/23 14:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-11
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 18:08	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 18:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 18:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 18:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 18:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 18:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 18:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 18:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/14/23 18:08	1
Trichlorofluoromethane	**0.79**	**J**	1.0	0.43	ug/L			06/14/23 18:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 18:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 18:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 18:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 18:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*06/14/23 18:08*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*06/14/23 18:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/14/23 18:08*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/14/23 18:08*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:30	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:30	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**372**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**331**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**3.1**		2.0	1.0	mg/L			06/14/23 10:06	1
Chemical Oxygen Demand (SM 5220C)	**23.8**		10.0	6.0	mg/L		06/10/23 07:57	06/10/23 11:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/07/23 14:00	1
Field Conductivity	**657**				umhos/cm			06/07/23 14:00	1
Field Odor	**N**				NONE			06/07/23 14:00	1
Field pH	**7.3**				SU			06/07/23 14:00	1
Field Temperature	**18.0**				Degrees C			06/07/23 14:00	1
Field Turbidity	**Y**				NONE			06/07/23 14:00	1
Groundwater Elevation (ft MSL)	**908.72**				ft			06/07/23 14:00	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-13

Date Collected: 06/07/23 11:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-12

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 18:32	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 18:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 18:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 18:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 18:32	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 18:32	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 18:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 18:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 18:32	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 18:32	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 18:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 18:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 18:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 18:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 18:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 18:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 18:32	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 18:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 18:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 18:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 18:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 18:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 18:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 18:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 18:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 18:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 18:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 18:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 18:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 18:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 18:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 18:32	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 18:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 18:32	1
Methylene Chloride	**5.2**	**B**	5.0	1.6	ug/L			06/14/23 18:32	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 18:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 18:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 18:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 18:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 18:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 18:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 18:32	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 18:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 18:32	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 18:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 18:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 18:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 18:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 18:32	1

Client Sample ID: MW-13
Date Collected: 06/07/23 11:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-12
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 18:32	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 18:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 18:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 18:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 18:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 18:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 18:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 18:32	1
Trichloroethene	**6.2**		0.50	0.16	ug/L			06/14/23 18:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 18:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 18:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 18:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 18:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 18:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*06/14/23 18:32*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/14/23 18:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/14/23 18:32*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/14/23 18:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		1.6	0.19	ug/L		06/09/23 08:33	06/09/23 18:12	1
1,2-Dichlorobenzene	<0.20		1.6	0.20	ug/L		06/09/23 08:33	06/09/23 18:12	1
1,3-Dichlorobenzene	<0.17		1.6	0.17	ug/L		06/09/23 08:33	06/09/23 18:12	1
1,4-Dichlorobenzene	<0.17		1.6	0.17	ug/L		06/09/23 08:33	06/09/23 18:12	1
1-Methylnaphthalene	<0.25		1.6	0.25	ug/L		06/09/23 08:33	06/09/23 18:12	1
2,2'-oxybis[1-chloropropane]	<0.31		1.6	0.31	ug/L		06/09/23 08:33	06/09/23 18:12	1
2,4,5-Trichlorophenol	<2.1		8.1	2.1	ug/L		06/09/23 08:33	06/09/23 18:12	1
2,4,6-Trichlorophenol	<0.58		4.1	0.58	ug/L		06/09/23 08:33	06/09/23 18:12	1
2,4-Dichlorophenol	<2.1		8.1	2.1	ug/L		06/09/23 08:33	06/09/23 18:12	1
2,4-Dimethylphenol	<1.5		8.1	1.5	ug/L		06/09/23 08:33	06/09/23 18:12	1
2,4-Dinitrophenol	<7.0	^c	16	7.0	ug/L		06/09/23 08:33	06/09/23 18:12	1
2,4-Dinitrotoluene	<0.20		0.81	0.20	ug/L		06/09/23 08:33	06/09/23 18:12	1
2,6-Dinitrotoluene	<0.060		0.81	0.060	ug/L		06/09/23 08:33	06/09/23 18:12	1
2-Chloronaphthalene	<0.19		1.6	0.19	ug/L		06/09/23 08:33	06/09/23 18:12	1
2-Chlorophenol	<0.45		4.1	0.45	ug/L		06/09/23 08:33	06/09/23 18:12	1
2-Methylnaphthalene	<0.053	^c	1.6	0.053	ug/L		06/09/23 08:33	06/09/23 18:12	1
2-Methylphenol	<0.25		1.6	0.25	ug/L		06/09/23 08:33	06/09/23 18:12	1
2-Nitroaniline	<1.0	^c	4.1	1.0	ug/L		06/09/23 08:33	06/09/23 18:12	1
2-Nitrophenol	<2.0		8.1	2.0	ug/L		06/09/23 08:33	06/09/23 18:12	1
3 & 4 Methylphenol	<0.37		1.6	0.37	ug/L		06/09/23 08:33	06/09/23 18:12	1
3,3'-Dichlorobenzidine	<1.4		4.1	1.4	ug/L		06/09/23 08:33	06/09/23 18:12	1
3-Nitroaniline	<1.5		8.1	1.5	ug/L		06/09/23 08:33	06/09/23 18:12	1
4,6-Dinitro-2-methylphenol	<4.8		16	4.8	ug/L		06/09/23 08:33	06/09/23 18:12	1
4-Bromophenyl phenyl ether	<0.44		4.1	0.44	ug/L		06/09/23 08:33	06/09/23 18:12	1
4-Chloro-3-methylphenol	<1.9		8.1	1.9	ug/L		06/09/23 08:33	06/09/23 18:12	1
4-Chloroaniline	<1.6		8.1	1.6	ug/L		06/09/23 08:33	06/09/23 18:12	1

Client Sample ID: MW-13
Date Collected: 06/07/23 11:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-12
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	<0.52		4.1	0.52	ug/L		06/09/23 08:33	06/09/23 18:12	1
4-Nitroaniline	<1.4		8.1	1.4	ug/L		06/09/23 08:33	06/09/23 18:12	1
4-Nitrophenol	<6.0		16	6.0	ug/L		06/09/23 08:33	06/09/23 18:12	1
Acenaphthene	<0.25		0.81	0.25	ug/L		06/09/23 08:33	06/09/23 18:12	1
Acenaphthylene	<0.22		0.81	0.22	ug/L		06/09/23 08:33	06/09/23 18:12	1
Anthracene	<0.27		0.81	0.27	ug/L		06/09/23 08:33	06/09/23 18:12	1
Benzo[a]anthracene	<0.046		0.16	0.046	ug/L		06/09/23 08:33	06/09/23 18:12	1
Benzo[a]pyrene	<0.080		0.16	0.080	ug/L		06/09/23 08:33	06/09/23 18:12	1
Benzo[b]fluoranthene	<0.066		0.16	0.066	ug/L		06/09/23 08:33	06/09/23 18:12	1
Benzo[g,h,i]perylene	<0.31	^c	0.81	0.31	ug/L		06/09/23 08:33	06/09/23 18:12	1
Benzo[k]fluoranthene	<0.052		0.16	0.052	ug/L		06/09/23 08:33	06/09/23 18:12	1
Benzoic acid	<4.7		16	4.7	ug/L		06/09/23 08:33	06/09/23 18:12	1
Benzyl alcohol	<4.9		16	4.9	ug/L		06/09/23 08:33	06/09/23 18:12	1
Bis(2-chloroethoxy)methane	<0.23		1.6	0.23	ug/L		06/09/23 08:33	06/09/23 18:12	1
Bis(2-chloroethyl)ether	<0.24		1.6	0.24	ug/L		06/09/23 08:33	06/09/23 18:12	1
Bis(2-ethylhexyl) phthalate	**1.7**	**J ^c**	8.1	1.4	ug/L		06/09/23 08:33	06/09/23 18:12	1
Butyl benzyl phthalate	<0.39		1.6	0.39	ug/L		06/09/23 08:33	06/09/23 18:12	1
Carbazole	<0.29		4.1	0.29	ug/L		06/09/23 08:33	06/09/23 18:12	1
Chrysene	<0.055		0.16	0.055	ug/L		06/09/23 08:33	06/09/23 18:12	1
Dibenz(a,h)anthracene	<0.041	^c	0.24	0.041	ug/L		06/09/23 08:33	06/09/23 18:12	1
Dibenzofuran	<0.21		1.6	0.21	ug/L		06/09/23 08:33	06/09/23 18:12	1
Diethyl phthalate	<0.29		4.1	0.29	ug/L		06/09/23 08:33	06/09/23 18:12	1
Dimethyl phthalate	<0.26		4.1	0.26	ug/L		06/09/23 08:33	06/09/23 18:12	1
Di-n-butyl phthalate	**0.90**	**J**	4.1	0.59	ug/L		06/09/23 08:33	06/09/23 18:12	1
Di-n-octyl phthalate	<0.85	^c	8.1	0.85	ug/L		06/09/23 08:33	06/09/23 18:12	1
Fluoranthene	<0.37		0.81	0.37	ug/L		06/09/23 08:33	06/09/23 18:12	1
Fluorene	<0.20		0.81	0.20	ug/L		06/09/23 08:33	06/09/23 18:12	1
Hexachlorobenzene	<0.065		0.41	0.065	ug/L		06/09/23 08:33	06/09/23 18:12	1
Hexachlorobutadiene	<0.42		4.1	0.42	ug/L		06/09/23 08:33	06/09/23 18:12	1
Hexachlorocyclopentadiene	<5.2	^c	16	5.2	ug/L		06/09/23 08:33	06/09/23 18:12	1
Hexachloroethane	<0.49		4.1	0.49	ug/L		06/09/23 08:33	06/09/23 18:12	1
Indeno[1,2,3-cd]pyrene	<0.061	^c	0.16	0.061	ug/L		06/09/23 08:33	06/09/23 18:12	1
Isophorone	<0.31		1.6	0.31	ug/L		06/09/23 08:33	06/09/23 18:12	1
Naphthalene	<0.25		0.81	0.25	ug/L		06/09/23 08:33	06/09/23 18:12	1
Nitrobenzene	<0.37		0.81	0.37	ug/L		06/09/23 08:33	06/09/23 18:12	1
N-Nitrosodi-n-propylamine	<0.13		0.41	0.13	ug/L		06/09/23 08:33	06/09/23 18:12	1
N-Nitrosodiphenylamine	<0.30		1.6	0.30	ug/L		06/09/23 08:33	06/09/23 18:12	1
Pentachlorophenol	<3.2	^c	16	3.2	ug/L		06/09/23 08:33	06/09/23 18:12	1
Phenanthrene	<0.25		0.81	0.25	ug/L		06/09/23 08:33	06/09/23 18:12	1
Phenol	<0.55	^c	4.1	0.55	ug/L		06/09/23 08:33	06/09/23 18:12	1
Pyrene	<0.35		0.81	0.35	ug/L		06/09/23 08:33	06/09/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*44*	*^c*	*27 - 110*	*06/09/23 08:33*	*06/09/23 18:12*	*1*
Phenol-d5 (Surr)	*37*		*20 - 110*	*06/09/23 08:33*	*06/09/23 18:12*	*1*
Nitrobenzene-d5 (Surr)	*74*		*36 - 120*	*06/09/23 08:33*	*06/09/23 18:12*	*1*
2-Fluorobiphenyl	*63*		*34 - 110*	*06/09/23 08:33*	*06/09/23 18:12*	*1*
2,4,6-Tribromophenol (Surr)	*65*		*40 - 145*	*06/09/23 08:33*	*06/09/23 18:12*	*1*
Terphenyl-d14 (Surr)	*90*		*40 - 145*	*06/09/23 08:33*	*06/09/23 18:12*	*1*

Client Sample Results

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-13

Date Collected: 06/07/23 11:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-12

Matrix: Water

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:33	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:33	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**258**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**217**		5.0	3.7	mg/L			06/08/23 16:20	1
Chloride (SM 4500 Cl- E)	**13.4**		2.0	1.0	mg/L			06/14/23 10:06	1
Chemical Oxygen Demand (SM 5220C)	<6.0		10.0	6.0	mg/L		06/10/23 07:57	06/10/23 11:01	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/07/23 11:20	1
Field Conductivity	**492**				umhos/cm			06/07/23 11:20	1
Field Odor	**N**				NONE			06/07/23 11:20	1
Field pH	**7.75**				SU			06/07/23 11:20	1
Field Temperature	**13.3**				Degrees C			06/07/23 11:20	1
Field Turbidity	**N**				NONE			06/07/23 11:20	1
Groundwater Elevation (ft MSL)	**898.67**				ft			06/07/23 11:20	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-14

Date Collected: 06/07/23 10:50
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-13

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 18:56	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 18:56	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 18:56	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 18:56	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 18:56	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 18:56	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 18:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 18:56	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 18:56	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 18:56	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 18:56	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 18:56	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 18:56	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 18:56	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 18:56	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 18:56	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 18:56	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 18:56	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 18:56	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 18:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 18:56	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 18:56	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 18:56	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 18:56	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 18:56	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 18:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 18:56	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 18:56	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 18:56	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 18:56	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 18:56	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 18:56	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 18:56	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 18:56	1
Methylene Chloride	**5.0**	**B**	5.0	1.6	ug/L			06/14/23 18:56	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 18:56	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 18:56	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 18:56	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 18:56	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 18:56	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 18:56	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 18:56	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 18:56	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 18:56	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 18:56	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 18:56	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 18:56	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 18:56	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 18:56	1

Client Sample ID: MW-14

Date Collected: 06/07/23 10:50
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-13

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 18:56	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 18:56	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 18:56	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 18:56	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 18:56	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 18:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 18:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 18:56	1
Trichloroethene	**0.40**	**J**	0.50	0.16	ug/L			06/14/23 18:56	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 18:56	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 18:56	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 18:56	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 18:56	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 18:56	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*06/14/23 18:56*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*06/14/23 18:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*06/14/23 18:56*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/14/23 18:56*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:36	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:36	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**289**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**237**		5.0	3.7	mg/L			06/13/23 08:36	1
Chloride (SM 4500 Cl- E)	**31.1**		2.0	1.0	mg/L			06/14/23 10:07	1
Chemical Oxygen Demand (SM 5220C)	**43.7**		10.0	6.0	mg/L		06/10/23 07:57	06/10/23 11:01	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**Y**				NONE			06/07/23 10:50	1
Field Conductivity	**582**				umhos/cm			06/07/23 10:50	1
Field Odor	**N**				NONE			06/07/23 10:50	1
Field pH	**8.05**				SU			06/07/23 10:50	1
Field Temperature	**14.4**				Degrees C			06/07/23 10:50	1
Field Turbidity	**Y**				NONE			06/07/23 10:50	1
Groundwater Elevation (ft MSL)	**897.01**				ft			06/07/23 10:50	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-16

Date Collected: 06/07/23 10:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 19:20	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 19:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 19:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 19:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 19:20	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 19:20	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 19:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 19:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 19:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 19:20	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 19:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 19:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 19:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 19:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 19:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 19:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 19:20	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 19:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 19:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 19:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 19:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 19:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 19:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 19:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 19:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 19:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 19:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 19:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 19:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 19:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 19:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 19:20	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 19:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 19:20	1
Methylene Chloride	**4.8**	**J B**	5.0	1.6	ug/L			06/14/23 19:20	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 19:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 19:20	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 19:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 19:20	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 19:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 19:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 19:20	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 19:20	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 19:20	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 19:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 19:20	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 19:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 19:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 19:20	1

Client Sample ID: MW-16

Date Collected: 06/07/23 10:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 19:20	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 19:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 19:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 19:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 19:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 19:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 19:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 19:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/14/23 19:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 19:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 19:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 19:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 19:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 19:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*06/14/23 19:20*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/14/23 19:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/14/23 19:20*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/14/23 19:20*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:39	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:39	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**282**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**232**		5.0	3.7	mg/L			06/13/23 08:36	1
Chloride (SM 4500 Cl- E)	**7.1**		2.0	1.0	mg/L			06/14/23 10:07	1
Chemical Oxygen Demand (SM 5220C)	**7.0**	**J**	10.0	6.0	mg/L		06/10/23 07:57	06/10/23 11:02	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/07/23 10:20	1
Field Conductivity	**498**				umhos/cm			06/07/23 10:20	1
Field Odor	**N**				NONE			06/07/23 10:20	1
Field pH	**7.8**				SU			06/07/23 10:20	1
Field Temperature	**13.5**				Degrees C			06/07/23 10:20	1
Field Turbidity	**N**				NONE			06/07/23 10:20	1
Groundwater Elevation (ft MSL)	**851.34**				ft			06/07/23 10:20	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-16B

Date Collected: 06/07/23 10:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-15

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 19:44	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 19:44	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 19:44	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 19:44	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 19:44	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 19:44	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 19:44	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 19:44	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 19:44	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 19:44	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 19:44	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 19:44	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 19:44	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 19:44	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 19:44	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 19:44	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 19:44	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 19:44	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 19:44	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 19:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 19:44	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 19:44	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 19:44	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 19:44	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 19:44	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 19:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 19:44	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 19:44	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 19:44	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 19:44	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 19:44	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 19:44	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 19:44	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 19:44	1
Methylene Chloride	**6.7**	**B**	5.0	1.6	ug/L			06/14/23 19:44	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 19:44	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 19:44	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 19:44	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 19:44	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 19:44	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 19:44	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 19:44	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 19:44	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 19:44	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 19:44	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 19:44	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 19:44	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 19:44	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 19:44	1

Client Sample ID: MW-16B
Date Collected: 06/07/23 10:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-15
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 19:44	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 19:44	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 19:44	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 19:44	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 19:44	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 19:44	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 19:44	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 19:44	1
Trichloroethene	**0.19**	**J**	0.50	0.16	ug/L			06/14/23 19:44	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 19:44	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 19:44	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 19:44	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 19:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 19:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*06/14/23 19:44*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*06/14/23 19:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/14/23 19:44*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/14/23 19:44*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:42	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:42	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**302**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**231**		5.0	3.7	mg/L			06/13/23 08:36	1
Chloride (SM 4500 Cl- E)	**17.6**		2.0	1.0	mg/L			06/14/23 10:07	1
Chemical Oxygen Demand (SM 5220C)	**7.4**	**J**	10.0	6.0	mg/L		06/10/23 07:57	06/10/23 11:03	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/07/23 10:00	1
Field Conductivity	**566**				umhos/cm			06/07/23 10:00	1
Field Odor	**N**				NONE			06/07/23 10:00	1
Field pH	**7.76**				SU			06/07/23 10:00	1
Field Temperature	**14.1**				Degrees C			06/07/23 10:00	1
Field Turbidity	**N**				NONE			06/07/23 10:00	1
Groundwater Elevation (ft MSL)	**852.34**				ft			06/07/23 10:00	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-17A

Date Collected: 06/07/23 08:40
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-16

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 20:08	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 20:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 20:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 20:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 20:08	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 20:08	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 20:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 20:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 20:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 20:08	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 20:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 20:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 20:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 20:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 20:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 20:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 20:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 20:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 20:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 20:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 20:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 20:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 20:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 20:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 20:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 20:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 20:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 20:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 20:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 20:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 20:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 20:08	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 20:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 20:08	1
Methylene Chloride	**6.3**	**B**	5.0	1.6	ug/L			06/14/23 20:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 20:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 20:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 20:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 20:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 20:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 20:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 20:08	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 20:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 20:08	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 20:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 20:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 20:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 20:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 20:08	1

Client Sample ID: MW-17A

Date Collected: 06/07/23 08:40
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-16

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 20:08	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 20:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 20:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 20:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 20:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 20:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 20:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 20:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/14/23 20:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 20:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 20:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 20:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 20:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 20:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*06/14/23 20:08*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*06/14/23 20:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/14/23 20:08*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/14/23 20:08*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:45	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:45	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**197**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**184**		5.0	3.7	mg/L			06/13/23 08:36	1
Chloride (SM 4500 Cl- E)	**26.5**		2.0	1.0	mg/L			06/14/23 10:07	1
Chemical Oxygen Demand (SM 5220C)	<6.0		10.0	6.0	mg/L		06/10/23 07:57	06/10/23 11:04	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**Y**				NONE			06/07/23 08:40	1
Field Conductivity	**538**				umhos/cm			06/07/23 08:40	1
Field Odor	**N**				NONE			06/07/23 08:40	1
Field pH	**8.2**				SU			06/07/23 08:40	1
Field Temperature	**12.5**				Degrees C			06/07/23 08:40	1
Field Turbidity	**Y**				NONE			06/07/23 08:40	1
Groundwater Elevation (ft MSL)	**855.31**				ft			06/07/23 08:40	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-17B

Date Collected: 06/07/23 09:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-17

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 20:32	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 20:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 20:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 20:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 20:32	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 20:32	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 20:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 20:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 20:32	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 20:32	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 20:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 20:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 20:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 20:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 20:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 20:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 20:32	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 20:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 20:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 20:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 20:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 20:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 20:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 20:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 20:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 20:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 20:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 20:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 20:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 20:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 20:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 20:32	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 20:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 20:32	1
Methylene Chloride	**6.6**	**B**	5.0	1.6	ug/L			06/14/23 20:32	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 20:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 20:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 20:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 20:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 20:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 20:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 20:32	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 20:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 20:32	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 20:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 20:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 20:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 20:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 20:32	1

Client Sample ID: MW-17B

Date Collected: 06/07/23 09:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-17

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 20:32	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 20:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 20:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 20:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 20:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 20:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 20:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 20:32	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/14/23 20:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 20:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 20:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 20:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 20:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 20:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*06/14/23 20:32*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/14/23 20:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/14/23 20:32*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/14/23 20:32*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:49	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:49	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**260**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**208**		5.0	3.7	mg/L			06/13/23 08:36	1
Chloride (SM 4500 Cl- E)	**24.6**		2.0	1.0	mg/L			06/14/23 11:16	1
Chemical Oxygen Demand (SM 5220C)	**6.0**	**J**	10.0	6.0	mg/L		06/10/23 07:57	06/10/23 11:05	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/07/23 09:00	1
Field Conductivity	**494**				umhos/cm			06/07/23 09:00	1
Field Odor	**N**				NONE			06/07/23 09:00	1
Field pH	**7.98**				SU			06/07/23 09:00	1
Field Temperature	**11.6**				Degrees C			06/07/23 09:00	1
Field Turbidity	**N**				NONE			06/07/23 09:00	1
Groundwater Elevation (ft MSL)	**849.84**				ft			06/07/23 09:00	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-18A

Date Collected: 06/07/23 09:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-18

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/14/23 20:56	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 20:56	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 20:56	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 20:56	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 20:56	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 20:56	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 20:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 20:56	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 20:56	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 20:56	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 20:56	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 20:56	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 20:56	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 20:56	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 20:56	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 20:56	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 20:56	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 20:56	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 20:56	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 20:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 20:56	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 20:56	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 20:56	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 20:56	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 20:56	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 20:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 20:56	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 20:56	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 20:56	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 20:56	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 20:56	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 20:56	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/14/23 20:56	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 20:56	1
Methylene Chloride	**6.9**	**B**	5.0	1.6	ug/L			06/14/23 20:56	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 20:56	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 20:56	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 20:56	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 20:56	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 20:56	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 20:56	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 20:56	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 20:56	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 20:56	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 20:56	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 20:56	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 20:56	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 20:56	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 20:56	1

Client Sample ID: MW-18A
Date Collected: 06/07/23 09:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-18
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 20:56	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 20:56	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 20:56	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 20:56	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 20:56	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 20:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 20:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 20:56	1
Trichloroethene	**0.35**	**J**	0.50	0.16	ug/L			06/14/23 20:56	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 20:56	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 20:56	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 20:56	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 20:56	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 20:56	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*06/14/23 20:56*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*06/14/23 20:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/14/23 20:56*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/14/23 20:56*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:52	1
Manganese	**0.19**		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:52	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**254**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**237**		5.0	3.7	mg/L			06/13/23 08:36	1
Chloride (SM 4500 Cl- E)	**15.7**		2.0	1.0	mg/L			06/14/23 11:17	1
Chemical Oxygen Demand (SM 5220C)	<6.0		10.0	6.0	mg/L		06/10/23 07:57	06/10/23 11:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/07/23 09:20	1
Field Conductivity	**502**				umhos/cm			06/07/23 09:20	1
Field Odor	**N**				NONE			06/07/23 09:20	1
Field pH	**7.81**				SU			06/07/23 09:20	1
Field Temperature	**12.2**				Degrees C			06/07/23 09:20	1
Field Turbidity	**N**				NONE			06/07/23 09:20	1
Groundwater Elevation (ft MSL)	**847.62**				ft			06/07/23 09:20	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-18B

Date Collected: 06/07/23 09:40
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-19

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.8**	**J B**	10	1.7	ug/L			06/16/23 02:19	1
Benzene	<0.15		0.50	0.15	ug/L			06/16/23 02:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/16/23 02:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/16/23 02:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/16/23 02:19	1
Bromoform	<0.48		1.0	0.48	ug/L			06/16/23 02:19	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/16/23 02:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/16/23 02:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/16/23 02:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/16/23 02:19	1
Chloroform	**1.1**	**J**	2.0	0.37	ug/L			06/16/23 02:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/16/23 02:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/16/23 02:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/16/23 02:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/16/23 02:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/16/23 02:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/16/23 02:19	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/16/23 02:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/16/23 02:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/16/23 02:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/16/23 02:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/16/23 02:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/16/23 02:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/16/23 02:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/16/23 02:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/16/23 02:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/16/23 02:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/16/23 02:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/16/23 02:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/16/23 02:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/16/23 02:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/16/23 02:19	1
Chloromethane	**2.0**	**J B**	5.0	0.32	ug/L			06/16/23 02:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/16/23 02:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/16/23 02:19	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/16/23 02:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/16/23 02:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/16/23 02:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/16/23 02:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/16/23 02:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/16/23 02:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/16/23 02:19	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/16/23 02:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/16/23 02:19	1
Styrene	<0.39		1.0	0.39	ug/L			06/16/23 02:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/16/23 02:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/16/23 02:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/16/23 02:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/16/23 02:19	1

Client Sample ID: MW-18B

Date Collected: 06/07/23 09:40
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-19

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/16/23 02:19	1
Toluene	<0.15		0.50	0.15	ug/L			06/16/23 02:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/16/23 02:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/16/23 02:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/16/23 02:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/16/23 02:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/16/23 02:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/16/23 02:19	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			06/16/23 02:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/16/23 02:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/16/23 02:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/16/23 02:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/16/23 02:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/16/23 02:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/16/23 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/16/23 02:19*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*06/16/23 02:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*06/16/23 02:19*	*1*
Toluene-d8 (Surr)	*109*		*75 - 120*		*06/16/23 02:19*	*1*

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:55	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:55	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**280**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**231**		5.0	3.7	mg/L			06/13/23 08:36	1
Chloride (SM 4500 Cl- E)	**22.0**		2.0	1.0	mg/L			06/14/23 11:17	1
Chemical Oxygen Demand (SM 5220C)	<6.0		10.0	6.0	mg/L		06/10/23 07:57	06/10/23 11:07	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			06/07/23 09:40	1
Field Conductivity	**546**				umhos/cm			06/07/23 09:40	1
Field Odor	**N**				NONE			06/07/23 09:40	1
Field pH	**7.8**				SU			06/07/23 09:40	1
Field Temperature	**12.4**				Degrees C			06/07/23 09:40	1
Field Turbidity	**N**				NONE			06/07/23 09:40	1
Groundwater Elevation (ft MSL)	**847.75**				ft			06/07/23 09:40	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: Leachate

Date Collected: 06/07/23 15:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-20

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**25**	**B**	10	1.7	ug/L			06/16/23 02:41	1
Benzene	**0.56**		0.50	0.15	ug/L			06/16/23 02:41	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/16/23 02:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/16/23 02:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/16/23 02:41	1
Bromoform	<0.48		1.0	0.48	ug/L			06/16/23 02:41	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/16/23 02:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/16/23 02:41	1
Chlorobenzene	**0.99**	**J**	1.0	0.39	ug/L			06/16/23 02:41	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/16/23 02:41	1
Chloroform	**0.91**	**J**	2.0	0.37	ug/L			06/16/23 02:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/16/23 02:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/16/23 02:41	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/16/23 02:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/16/23 02:41	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/16/23 02:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/16/23 02:41	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/16/23 02:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/16/23 02:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/16/23 02:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/16/23 02:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/16/23 02:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/16/23 02:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/16/23 02:41	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/16/23 02:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/16/23 02:41	1
Ethylbenzene	**1.3**		0.50	0.18	ug/L			06/16/23 02:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/16/23 02:41	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/16/23 02:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/16/23 02:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/16/23 02:41	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/16/23 02:41	1
Chloromethane	**1.9**	**J B**	5.0	0.32	ug/L			06/16/23 02:41	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/16/23 02:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/16/23 02:41	1
2-Butanone (MEK)	**4.5**	**J**	5.0	2.1	ug/L			06/16/23 02:41	1
Methyl tert-butyl ether	**0.44**	**J**	1.0	0.39	ug/L			06/16/23 02:41	1
Naphthalene	**1.6**		1.0	0.34	ug/L			06/16/23 02:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/16/23 02:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/16/23 02:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/16/23 02:41	1
1,4-Dichlorobenzene	**2.2**		1.0	0.36	ug/L			06/16/23 02:41	1
4-Isopropyltoluene	**2.3**		1.0	0.36	ug/L			06/16/23 02:41	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/16/23 02:41	1
Styrene	<0.39		1.0	0.39	ug/L			06/16/23 02:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/16/23 02:41	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/16/23 02:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/16/23 02:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/16/23 02:41	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: Leachate

Date Collected: 06/07/23 15:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-20

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	**360**		10	1.9	ug/L			06/16/23 02:41	1
Toluene	**2.1**		0.50	0.15	ug/L			06/16/23 02:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/16/23 02:41	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/16/23 02:41	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/16/23 02:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/16/23 02:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/16/23 02:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/16/23 02:41	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/16/23 02:41	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/16/23 02:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/16/23 02:41	1
1,2,4-Trimethylbenzene	**1.2**		1.0	0.36	ug/L			06/16/23 02:41	1
1,3,5-Trimethylbenzene	**2.1**		1.0	0.25	ug/L			06/16/23 02:41	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/16/23 02:41	1
Xylenes, Total	**30**		1.0	0.22	ug/L			06/16/23 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*06/16/23 02:41*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*06/16/23 02:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*06/16/23 02:41*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*06/16/23 02:41*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		1.6	0.19	ug/L		06/09/23 08:33	06/09/23 18:36	1
1,2-Dichlorobenzene	<0.20		1.6	0.20	ug/L		06/09/23 08:33	06/09/23 18:36	1
1,3-Dichlorobenzene	<0.17		1.6	0.17	ug/L		06/09/23 08:33	06/09/23 18:36	1
1,4-Dichlorobenzene	**1.2**	**J**	1.6	0.17	ug/L		06/09/23 08:33	06/09/23 18:36	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		06/09/23 08:33	06/09/23 18:36	1
2,2'-oxybis[1-chloropropane]	<0.30		1.6	0.30	ug/L		06/09/23 08:33	06/09/23 18:36	1
2,4,5-Trichlorophenol	<2.0		8.0	2.0	ug/L		06/09/23 08:33	06/09/23 18:36	1
2,4,6-Trichlorophenol	<0.57		4.0	0.57	ug/L		06/09/23 08:33	06/09/23 18:36	1
2,4-Dichlorophenol	<2.1		8.0	2.1	ug/L		06/09/23 08:33	06/09/23 18:36	1
2,4-Dimethylphenol	**4.6**	**J**	8.0	1.4	ug/L		06/09/23 08:33	06/09/23 18:36	1
2,4-Dinitrophenol	<6.9	^c	16	6.9	ug/L		06/09/23 08:33	06/09/23 18:36	1
2,4-Dinitrotoluene	<0.20		0.80	0.20	ug/L		06/09/23 08:33	06/09/23 18:36	1
2,6-Dinitrotoluene	<0.059		0.80	0.059	ug/L		06/09/23 08:33	06/09/23 18:36	1
2-Chloronaphthalene	<0.19		1.6	0.19	ug/L		06/09/23 08:33	06/09/23 18:36	1
2-Chlorophenol	<0.45		4.0	0.45	ug/L		06/09/23 08:33	06/09/23 18:36	1
2-Methylnaphthalene	**0.14**	**J ^c**	1.6	0.052	ug/L		06/09/23 08:33	06/09/23 18:36	1
2-Methylphenol	<0.24		1.6	0.24	ug/L		06/09/23 08:33	06/09/23 18:36	1
2-Nitroaniline	<1.0	^c	4.0	1.0	ug/L		06/09/23 08:33	06/09/23 18:36	1
2-Nitrophenol	<2.0		8.0	2.0	ug/L		06/09/23 08:33	06/09/23 18:36	1
3 & 4 Methylphenol	<0.36		1.6	0.36	ug/L		06/09/23 08:33	06/09/23 18:36	1
3,3'-Dichlorobenzidine	<1.4		4.0	1.4	ug/L		06/09/23 08:33	06/09/23 18:36	1
3-Nitroaniline	<1.4		8.0	1.4	ug/L		06/09/23 08:33	06/09/23 18:36	1
4,6-Dinitro-2-methylphenol	<4.7		16	4.7	ug/L		06/09/23 08:33	06/09/23 18:36	1
4-Bromophenyl phenyl ether	<0.43		4.0	0.43	ug/L		06/09/23 08:33	06/09/23 18:36	1
4-Chloro-3-methylphenol	<1.8		8.0	1.8	ug/L		06/09/23 08:33	06/09/23 18:36	1
4-Chloroaniline	<1.6		8.0	1.6	ug/L		06/09/23 08:33	06/09/23 18:36	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: Leachate

Date Collected: 06/07/23 15:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-20

Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	<0.51		4.0	0.51	ug/L		06/09/23 08:33	06/09/23 18:36	1
4-Nitroaniline	<1.3		8.0	1.3	ug/L		06/09/23 08:33	06/09/23 18:36	1
4-Nitrophenol	<5.9		16	5.9	ug/L		06/09/23 08:33	06/09/23 18:36	1
Acenaphthene	<0.25		0.80	0.25	ug/L		06/09/23 08:33	06/09/23 18:36	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		06/09/23 08:33	06/09/23 18:36	1
Anthracene	<0.27		0.80	0.27	ug/L		06/09/23 08:33	06/09/23 18:36	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		06/09/23 08:33	06/09/23 18:36	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		06/09/23 08:33	06/09/23 18:36	1
Benzo[b]fluoranthene	<0.064		0.16	0.064	ug/L		06/09/23 08:33	06/09/23 18:36	1
Benzo[g,h,i]perylene	<0.30	^c	0.80	0.30	ug/L		06/09/23 08:33	06/09/23 18:36	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		06/09/23 08:33	06/09/23 18:36	1
Benzoic acid	<4.6		16	4.6	ug/L		06/09/23 08:33	06/09/23 18:36	1
Benzyl alcohol	<4.8		16	4.8	ug/L		06/09/23 08:33	06/09/23 18:36	1
Bis(2-chloroethoxy)methane	<0.23		1.6	0.23	ug/L		06/09/23 08:33	06/09/23 18:36	1
Bis(2-chloroethyl)ether	<0.23		1.6	0.23	ug/L		06/09/23 08:33	06/09/23 18:36	1
Bis(2-ethylhexyl) phthalate	**1.8**	**J ^c**	8.0	1.4	ug/L		06/09/23 08:33	06/09/23 18:36	1
Butyl benzyl phthalate	<0.38		1.6	0.38	ug/L		06/09/23 08:33	06/09/23 18:36	1
Carbazole	<0.28		4.0	0.28	ug/L		06/09/23 08:33	06/09/23 18:36	1
Chrysene	<0.054		0.16	0.054	ug/L		06/09/23 08:33	06/09/23 18:36	1
Dibenz(a,h)anthracene	<0.041	^c	0.24	0.041	ug/L		06/09/23 08:33	06/09/23 18:36	1
Dibenzofuran	<0.21		1.6	0.21	ug/L		06/09/23 08:33	06/09/23 18:36	1
Diethyl phthalate	<0.29		4.0	0.29	ug/L		06/09/23 08:33	06/09/23 18:36	1
Dimethyl phthalate	<0.25		4.0	0.25	ug/L		06/09/23 08:33	06/09/23 18:36	1
Di-n-butyl phthalate	**1.0**	**J**	4.0	0.58	ug/L		06/09/23 08:33	06/09/23 18:36	1
Di-n-octyl phthalate	<0.84	^c	8.0	0.84	ug/L		06/09/23 08:33	06/09/23 18:36	1
Fluoranthene	<0.36		0.80	0.36	ug/L		06/09/23 08:33	06/09/23 18:36	1
Fluorene	<0.19		0.80	0.19	ug/L		06/09/23 08:33	06/09/23 18:36	1
Hexachlorobenzene	<0.063		0.40	0.063	ug/L		06/09/23 08:33	06/09/23 18:36	1
Hexachlorobutadiene	<0.41		4.0	0.41	ug/L		06/09/23 08:33	06/09/23 18:36	1
Hexachlorocyclopentadiene	<5.1	^c	16	5.1	ug/L		06/09/23 08:33	06/09/23 18:36	1
Hexachloroethane	<0.48		4.0	0.48	ug/L		06/09/23 08:33	06/09/23 18:36	1
Indeno[1,2,3-cd]pyrene	<0.060	^c	0.16	0.060	ug/L		06/09/23 08:33	06/09/23 18:36	1
Isophorone	<0.30		1.6	0.30	ug/L		06/09/23 08:33	06/09/23 18:36	1
Naphthalene	**1.3**		0.80	0.25	ug/L		06/09/23 08:33	06/09/23 18:36	1
Nitrobenzene	<0.36		0.80	0.36	ug/L		06/09/23 08:33	06/09/23 18:36	1
N-Nitrosodi-n-propylamine	<0.12		0.40	0.12	ug/L		06/09/23 08:33	06/09/23 18:36	1
N-Nitrosodiphenylamine	<0.30		1.6	0.30	ug/L		06/09/23 08:33	06/09/23 18:36	1
Pentachlorophenol	<3.1	^c	16	3.1	ug/L		06/09/23 08:33	06/09/23 18:36	1
Phenanthrene	<0.24		0.80	0.24	ug/L		06/09/23 08:33	06/09/23 18:36	1
Phenol	<0.54	^c	4.0	0.54	ug/L		06/09/23 08:33	06/09/23 18:36	1
Pyrene	<0.34		0.80	0.34	ug/L		06/09/23 08:33	06/09/23 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*59*	*^c*	*27 - 110*	*06/09/23 08:33*	*06/09/23 18:36*	*1*
Phenol-d5 (Surr)	*39*		*20 - 110*	*06/09/23 08:33*	*06/09/23 18:36*	*1*
Nitrobenzene-d5 (Surr)	*85*		*36 - 120*	*06/09/23 08:33*	*06/09/23 18:36*	*1*
2-Fluorobiphenyl	*63*		*34 - 110*	*06/09/23 08:33*	*06/09/23 18:36*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*40 - 145*	*06/09/23 08:33*	*06/09/23 18:36*	*1*
Terphenyl-d14 (Surr)	*87*		*40 - 145*	*06/09/23 08:33*	*06/09/23 18:36*	*1*

Client Sample Results

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: Leachate

Date Collected: 06/07/23 15:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-20

Matrix: Water

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0075**	**J**	0.010	0.0037	mg/L		06/09/23 08:51	06/12/23 19:58	1
Cadmium	<0.00043		0.0020	0.00043	mg/L		06/09/23 08:51	06/12/23 19:58	1
Chromium	<0.0017		0.010	0.0017	mg/L		06/09/23 08:51	06/12/23 19:58	1
Copper	**0.0070**	**J B**	0.010	0.0018	mg/L		06/09/23 08:51	06/12/23 19:58	1
Iron	**21.7**		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 19:58	1
Lead	<0.0027		0.0050	0.0027	mg/L		06/09/23 08:51	06/12/23 19:58	1
Manganese	**0.89**		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 19:58	1
Molybdenum	<0.0038		0.010	0.0038	mg/L		06/09/23 08:51	06/12/23 19:58	1
Nickel	**0.014**		0.010	0.0019	mg/L		06/09/23 08:51	06/12/23 19:58	1
Selenium	<0.0053		0.010	0.0053	mg/L		06/09/23 08:51	06/12/23 19:58	1
Silver	<0.0015		0.0050	0.0015	mg/L		06/09/23 08:51	06/12/23 19:58	1
Zinc	<0.0050		0.020	0.0050	mg/L		06/09/23 08:51	06/12/23 19:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000079		0.00020	0.000079	mg/L		06/21/23 11:55	06/22/23 08:12	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**776**		0.91	0.46	mg/L		06/09/23 08:51	06/13/23 10:14	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (EPA 335.4)	**0.0058**		0.0050	0.0036	mg/L		06/12/23 08:20	06/12/23 12:04	1
Nitrogen, Kjeldahl (SM 4500 NH3 G)	**122**	**B**	20.0	11.3	mg/L		06/15/23 09:40	06/16/23 11:27	50
Alkalinity (SM 2320B)	**1570**		5.0	3.7	mg/L			06/13/23 08:36	1
Total Suspended Solids (SM 2540D)	**81.4**		16.7	6.4	mg/L			06/10/23 09:20	1
Chloride (SM 4500 Cl- E)	**325**		20.0	10	mg/L			06/14/23 11:17	10
Phosphorus as P (SM 4500 P E)	**0.39**		0.050	0.024	mg/L		06/16/23 10:18	06/17/23 13:05	1
Biochemical Oxygen Demand (SM 5210B)	**16.1**	**b ***	2.0	2.0	mg/L			06/08/23 14:56	1
Chemical Oxygen Demand (SM 5220C)	**274**		100	60.4	mg/L		06/13/23 12:13	06/13/23 14:24	10

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**Y**				NONE			06/07/23 15:00	1
Field Conductivity	**1887**				umhos/cm			06/07/23 15:00	1
Field Odor	**Y**				NONE			06/07/23 15:00	1
Field pH	**7.03**				SU			06/07/23 15:00	1
Field Temperature	**17.5**				Degrees C			06/07/23 15:00	1
Field Turbidity	**Y**				NONE			06/07/23 15:00	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: Trip Blank

Date Collected: 06/07/23 00:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-21

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/16/23 01:56	1
Benzene	<0.15		0.50	0.15	ug/L			06/16/23 01:56	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/16/23 01:56	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/16/23 01:56	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/16/23 01:56	1
Bromoform	<0.48		1.0	0.48	ug/L			06/16/23 01:56	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/16/23 01:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/16/23 01:56	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/16/23 01:56	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/16/23 01:56	1
Chloroform	**1.3**	**J**	2.0	0.37	ug/L			06/16/23 01:56	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/16/23 01:56	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/16/23 01:56	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/16/23 01:56	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/16/23 01:56	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/16/23 01:56	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/16/23 01:56	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/16/23 01:56	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/16/23 01:56	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/16/23 01:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/16/23 01:56	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/16/23 01:56	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/16/23 01:56	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/16/23 01:56	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/16/23 01:56	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/16/23 01:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/16/23 01:56	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/16/23 01:56	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/16/23 01:56	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/16/23 01:56	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/16/23 01:56	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/16/23 01:56	1
Chloromethane	**2.0**	**J B**	5.0	0.32	ug/L			06/16/23 01:56	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/16/23 01:56	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/16/23 01:56	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/16/23 01:56	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/16/23 01:56	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/16/23 01:56	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/16/23 01:56	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/16/23 01:56	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/16/23 01:56	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/16/23 01:56	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/16/23 01:56	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/16/23 01:56	1
Styrene	<0.39		1.0	0.39	ug/L			06/16/23 01:56	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/16/23 01:56	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/16/23 01:56	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/16/23 01:56	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/16/23 01:56	1

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: Trip Blank
Date Collected: 06/07/23 00:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-21
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/16/23 01:56	1
Toluene	<0.15		0.50	0.15	ug/L			06/16/23 01:56	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/16/23 01:56	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/16/23 01:56	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/16/23 01:56	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/16/23 01:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/16/23 01:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/16/23 01:56	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/16/23 01:56	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/16/23 01:56	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/16/23 01:56	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/16/23 01:56	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/16/23 01:56	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/16/23 01:56	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/16/23 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*06/16/23 01:56*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*06/16/23 01:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*06/16/23 01:56*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*06/16/23 01:56*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

GC/MS Semi VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
b	Result Detected in the Unseeded Control blank (USB).
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 718468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-1	MW-4	Total/NA	Water	8260B	
500-234942-2	MW-6	Total/NA	Water	8260B	
500-234942-3	MW-7	Total/NA	Water	8260B	
500-234942-4	MW-8	Total/NA	Water	8260B	
500-234942-5	MW-9	Total/NA	Water	8260B	
500-234942-6	MW-10	Total/NA	Water	8260B	
500-234942-7	MW-15A	Total/NA	Water	8260B	
500-234942-8	MW-15B	Total/NA	Water	8260B	
500-234942-9	MW-15C	Total/NA	Water	8260B	
500-234942-10	MW-11	Total/NA	Water	8260B	
500-234942-11	MW-12	Total/NA	Water	8260B	
500-234942-12	MW-13	Total/NA	Water	8260B	
500-234942-13	MW-14	Total/NA	Water	8260B	
500-234942-14	MW-16	Total/NA	Water	8260B	
500-234942-15	MW-16B	Total/NA	Water	8260B	
500-234942-16	MW-17A	Total/NA	Water	8260B	
500-234942-17	MW-17B	Total/NA	Water	8260B	
500-234942-18	MW-18A	Total/NA	Water	8260B	
MB 500-718468/6	Method Blank	Total/NA	Water	8260B	
LCS 500-718468/4	Lab Control Sample	Total/NA	Water	8260B	
500-234942-18 MS	MW-18A	Total/NA	Water	8260B	
500-234942-18 MSD	MW-18A	Total/NA	Water	8260B	

Analysis Batch: 718868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-19	MW-18B	Total/NA	Water	8260B	
500-234942-20	Leachate	Total/NA	Water	8260B	
500-234942-21	Trip Blank	Total/NA	Water	8260B	
MB 500-718868/6	Method Blank	Total/NA	Water	8260B	
LCS 500-718868/14	Lab Control Sample	Total/NA	Water	8260B	
500-234942-19 MS	MW-18B	Total/NA	Water	8260B	
500-234942-19 MSD	MW-18B	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 717703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-12	MW-13	Total/NA	Water	8270E	717761
500-234942-20	Leachate	Total/NA	Water	8270E	717761
MB 500-717761/1-A	Method Blank	Total/NA	Water	8270E	717761
LCS 500-717761/2-A	Lab Control Sample	Total/NA	Water	8270E	717761
LCSD 500-717761/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	717761

Prep Batch: 717761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-12	MW-13	Total/NA	Water	3510C	
500-234942-20	Leachate	Total/NA	Water	3510C	
MB 500-717761/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-717761/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-717761/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Metals

Prep Batch: 717767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-1	MW-4	Dissolved	Water	3010A	
500-234942-2	MW-6	Dissolved	Water	3010A	
500-234942-3	MW-7	Dissolved	Water	3010A	
500-234942-4	MW-8	Dissolved	Water	3010A	
500-234942-5	MW-9	Dissolved	Water	3010A	
500-234942-6	MW-10	Dissolved	Water	3010A	
500-234942-7	MW-15A	Dissolved	Water	3010A	
500-234942-8	MW-15B	Dissolved	Water	3010A	
500-234942-9	MW-15C	Dissolved	Water	3010A	
500-234942-10	MW-11	Dissolved	Water	3010A	
500-234942-11	MW-12	Dissolved	Water	3010A	
500-234942-12	MW-13	Dissolved	Water	3010A	
500-234942-13	MW-14	Dissolved	Water	3010A	
500-234942-14	MW-16	Dissolved	Water	3010A	
500-234942-15	MW-16B	Dissolved	Water	3010A	
500-234942-16	MW-17A	Dissolved	Water	3010A	
500-234942-17	MW-17B	Dissolved	Water	3010A	
500-234942-18	MW-18A	Dissolved	Water	3010A	
500-234942-19	MW-18B	Dissolved	Water	3010A	
500-234942-20	Leachate	Total/NA	Water	3010A	
MB 500-717767/1-A	Method Blank	Total/NA	Water	3010A	
LCS 500-717767/2-A	Lab Control Sample	Total/NA	Water	3010A	
500-234942-1 MS	MW-4	Dissolved	Water	3010A	
500-234942-1 MSD	MW-4	Dissolved	Water	3010A	
500-234942-1 DU	MW-4	Dissolved	Water	3010A	

Analysis Batch: 718270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-1	MW-4	Dissolved	Water	6010B	717767
500-234942-2	MW-6	Dissolved	Water	6010B	717767
500-234942-3	MW-7	Dissolved	Water	6010B	717767
500-234942-4	MW-8	Dissolved	Water	6010B	717767
500-234942-5	MW-9	Dissolved	Water	6010B	717767
500-234942-6	MW-10	Dissolved	Water	6010B	717767
500-234942-7	MW-15A	Dissolved	Water	6010B	717767
500-234942-8	MW-15B	Dissolved	Water	6010B	717767
500-234942-9	MW-15C	Dissolved	Water	6010B	717767
500-234942-10	MW-11	Dissolved	Water	6010B	717767
500-234942-11	MW-12	Dissolved	Water	6010B	717767
500-234942-12	MW-13	Dissolved	Water	6010B	717767
500-234942-13	MW-14	Dissolved	Water	6010B	717767
500-234942-14	MW-16	Dissolved	Water	6010B	717767
500-234942-15	MW-16B	Dissolved	Water	6010B	717767
500-234942-16	MW-17A	Dissolved	Water	6010B	717767
500-234942-17	MW-17B	Dissolved	Water	6010B	717767
500-234942-18	MW-18A	Dissolved	Water	6010B	717767
500-234942-19	MW-18B	Dissolved	Water	6010B	717767
500-234942-20	Leachate	Total/NA	Water	6010B	717767
MB 500-717767/1-A	Method Blank	Total/NA	Water	6010B	717767
LCS 500-717767/2-A	Lab Control Sample	Total/NA	Water	6010B	717767
500-234942-1 MS	MW-4	Dissolved	Water	6010B	717767

Metals (Continued)

Analysis Batch: 718270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-1 MSD	MW-4	Dissolved	Water	6010B	717767
500-234942-1 DU	MW-4	Dissolved	Water	6010B	717767

Analysis Batch: 718280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-1	MW-4	Dissolved	Water	SM 2340B	717767
500-234942-2	MW-6	Dissolved	Water	SM 2340B	717767
500-234942-3	MW-7	Dissolved	Water	SM 2340B	717767
500-234942-4	MW-8	Dissolved	Water	SM 2340B	717767
500-234942-5	MW-9	Dissolved	Water	SM 2340B	717767
500-234942-6	MW-10	Dissolved	Water	SM 2340B	717767
500-234942-7	MW-15A	Dissolved	Water	SM 2340B	717767
500-234942-8	MW-15B	Dissolved	Water	SM 2340B	717767
500-234942-9	MW-15C	Dissolved	Water	SM 2340B	717767
500-234942-10	MW-11	Dissolved	Water	SM 2340B	717767
500-234942-11	MW-12	Dissolved	Water	SM 2340B	717767
500-234942-12	MW-13	Dissolved	Water	SM 2340B	717767
500-234942-13	MW-14	Dissolved	Water	SM 2340B	717767
500-234942-14	MW-16	Dissolved	Water	SM 2340B	717767
500-234942-15	MW-16B	Dissolved	Water	SM 2340B	717767
500-234942-16	MW-17A	Dissolved	Water	SM 2340B	717767
500-234942-17	MW-17B	Dissolved	Water	SM 2340B	717767
500-234942-18	MW-18A	Dissolved	Water	SM 2340B	717767
500-234942-19	MW-18B	Dissolved	Water	SM 2340B	717767
500-234942-20	Leachate	Total/NA	Water	SM 2340B	717767

Prep Batch: 719767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	7470A	
MB 500-719767/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-719767/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 719995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	7470A	719767
MB 500-719767/12-A	Method Blank	Total/NA	Water	7470A	719767
LCS 500-719767/13-A	Lab Control Sample	Total/NA	Water	7470A	719767

General Chemistry

Prep Batch: 717759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-1	MW-4	Total/NA	Water	SM 5220	
500-234942-2	MW-6	Total/NA	Water	SM 5220	
500-234942-3	MW-7	Total/NA	Water	SM 5220	
500-234942-4	MW-8	Total/NA	Water	SM 5220	
500-234942-5	MW-9	Total/NA	Water	SM 5220	
500-234942-6	MW-10	Total/NA	Water	SM 5220	
500-234942-7	MW-15A	Total/NA	Water	SM 5220	
500-234942-8	MW-15B	Total/NA	Water	SM 5220	
MB 500-717759/1-A	Method Blank	Total/NA	Water	SM 5220	

General Chemistry (Continued)

Prep Batch: 717759 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-717759/2-A	Lab Control Sample	Total/NA	Water	SM 5220	

Analysis Batch: 717765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-1	MW-4	Total/NA	Water	SM 5220C	717759
500-234942-2	MW-6	Total/NA	Water	SM 5220C	717759
500-234942-3	MW-7	Total/NA	Water	SM 5220C	717759
500-234942-4	MW-8	Total/NA	Water	SM 5220C	717759
500-234942-5	MW-9	Total/NA	Water	SM 5220C	717759
500-234942-6	MW-10	Total/NA	Water	SM 5220C	717759
500-234942-7	MW-15A	Total/NA	Water	SM 5220C	717759
500-234942-8	MW-15B	Total/NA	Water	SM 5220C	717759
MB 500-717759/1-A	Method Blank	Total/NA	Water	SM 5220C	717759
LCS 500-717759/2-A	Lab Control Sample	Total/NA	Water	SM 5220C	717759

Analysis Batch: 717897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-1	MW-4	Total/NA	Water	SM 2320B	
500-234942-2	MW-6	Total/NA	Water	SM 2320B	
500-234942-3	MW-7	Total/NA	Water	SM 2320B	
500-234942-4	MW-8	Total/NA	Water	SM 2320B	
500-234942-5	MW-9	Total/NA	Water	SM 2320B	
500-234942-6	MW-10	Total/NA	Water	SM 2320B	
500-234942-7	MW-15A	Total/NA	Water	SM 2320B	
500-234942-8	MW-15B	Total/NA	Water	SM 2320B	
500-234942-9	MW-15C	Total/NA	Water	SM 2320B	
500-234942-10	MW-11	Total/NA	Water	SM 2320B	
500-234942-11	MW-12	Total/NA	Water	SM 2320B	
500-234942-12	MW-13	Total/NA	Water	SM 2320B	
MB 500-717897/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-717897/4	Lab Control Sample	Total/NA	Water	SM 2320B	
500-234942-12 DU	MW-13	Total/NA	Water	SM 2320B	

Prep Batch: 717899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-9	MW-15C	Total/NA	Water	SM 5220	
500-234942-10	MW-11	Total/NA	Water	SM 5220	
500-234942-11	MW-12	Total/NA	Water	SM 5220	
500-234942-12	MW-13	Total/NA	Water	SM 5220	
500-234942-13	MW-14	Total/NA	Water	SM 5220	
500-234942-14	MW-16	Total/NA	Water	SM 5220	
500-234942-15	MW-16B	Total/NA	Water	SM 5220	
500-234942-16	MW-17A	Total/NA	Water	SM 5220	
500-234942-17	MW-17B	Total/NA	Water	SM 5220	
500-234942-18	MW-18A	Total/NA	Water	SM 5220	
500-234942-19	MW-18B	Total/NA	Water	SM 5220	
MB 500-717899/1-A	Method Blank	Total/NA	Water	SM 5220	
LCS 500-717899/2-A	Lab Control Sample	Total/NA	Water	SM 5220	
500-234942-9 MS	MW-15C	Total/NA	Water	SM 5220	
500-234942-9 MSD	MW-15C	Total/NA	Water	SM 5220	

General Chemistry

Analysis Batch: 717900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-9	MW-15C	Total/NA	Water	SM 5220C	717899
500-234942-10	MW-11	Total/NA	Water	SM 5220C	717899
500-234942-11	MW-12	Total/NA	Water	SM 5220C	717899
500-234942-12	MW-13	Total/NA	Water	SM 5220C	717899
500-234942-13	MW-14	Total/NA	Water	SM 5220C	717899
500-234942-14	MW-16	Total/NA	Water	SM 5220C	717899
500-234942-15	MW-16B	Total/NA	Water	SM 5220C	717899
500-234942-16	MW-17A	Total/NA	Water	SM 5220C	717899
500-234942-17	MW-17B	Total/NA	Water	SM 5220C	717899
500-234942-18	MW-18A	Total/NA	Water	SM 5220C	717899
500-234942-19	MW-18B	Total/NA	Water	SM 5220C	717899
MB 500-717899/1-A	Method Blank	Total/NA	Water	SM 5220C	717899
LCS 500-717899/2-A	Lab Control Sample	Total/NA	Water	SM 5220C	717899
500-234942-9 MS	MW-15C	Total/NA	Water	SM 5220C	717899
500-234942-9 MSD	MW-15C	Total/NA	Water	SM 5220C	717899

Analysis Batch: 717902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	SM 2540D	
MB 500-717902/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-717902/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Prep Batch: 717997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	Distill/CN	
MB 500-717997/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 500-717997/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 718085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-1	MW-4	Total/NA	Water	SM 4500 Cl- E	
MB 500-718085/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-718085/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 718092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	335.4	717997
MB 500-717997/1-A	Method Blank	Total/NA	Water	335.4	717997
LCS 500-717997/2-A	Lab Control Sample	Total/NA	Water	335.4	717997

Prep Batch: 718240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	SM 5220	
MB 500-718240/1-A	Method Blank	Total/NA	Water	SM 5220	
LCS 500-718240/2-A	Lab Control Sample	Total/NA	Water	SM 5220	

Analysis Batch: 718310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	SM 5220C	718240
MB 500-718240/1-A	Method Blank	Total/NA	Water	SM 5220C	718240
LCS 500-718240/2-A	Lab Control Sample	Total/NA	Water	SM 5220C	718240

General Chemistry

Analysis Batch: 718329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-13	MW-14	Total/NA	Water	SM 2320B	
500-234942-14	MW-16	Total/NA	Water	SM 2320B	
500-234942-15	MW-16B	Total/NA	Water	SM 2320B	
500-234942-16	MW-17A	Total/NA	Water	SM 2320B	
500-234942-17	MW-17B	Total/NA	Water	SM 2320B	
500-234942-18	MW-18A	Total/NA	Water	SM 2320B	
500-234942-19	MW-18B	Total/NA	Water	SM 2320B	
500-234942-20	Leachate	Total/NA	Water	SM 2320B	
MB 500-718329/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 500-718329/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 718340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	SM 5210B	
USB 500-718340/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 500-718340/4	Lab Control Sample	Total/NA	Water	SM 5210B	
LCS 500-718340/5	Lab Control Sample	Total/NA	Water	SM 5210B	
LCS 500-718340/6	Lab Control Sample	Total/NA	Water	SM 5210B	

Prep Batch: 718731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	SM4500Norg_C	
MB 500-718731/1-A	Method Blank	Total/NA	Water	SM4500Norg_C	
LCS 500-718731/2-A	Lab Control Sample	Total/NA	Water	SM4500Norg_C	

Analysis Batch: 718760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-2	MW-6	Total/NA	Water	SM 4500 Cl- E	
500-234942-3	MW-7	Total/NA	Water	SM 4500 Cl- E	
500-234942-4	MW-8	Total/NA	Water	SM 4500 Cl- E	
500-234942-5	MW-9	Total/NA	Water	SM 4500 Cl- E	
500-234942-6	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-234942-7	MW-15A	Total/NA	Water	SM 4500 Cl- E	
500-234942-8	MW-15B	Total/NA	Water	SM 4500 Cl- E	
500-234942-9	MW-15C	Total/NA	Water	SM 4500 Cl- E	
500-234942-10	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-234942-11	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-234942-12	MW-13	Total/NA	Water	SM 4500 Cl- E	
500-234942-13	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-234942-14	MW-16	Total/NA	Water	SM 4500 Cl- E	
500-234942-15	MW-16B	Total/NA	Water	SM 4500 Cl- E	
500-234942-16	MW-17A	Total/NA	Water	SM 4500 Cl- E	
500-234942-17	MW-17B	Total/NA	Water	SM 4500 Cl- E	
500-234942-18	MW-18A	Total/NA	Water	SM 4500 Cl- E	
500-234942-19	MW-18B	Total/NA	Water	SM 4500 Cl- E	
500-234942-20	Leachate	Total/NA	Water	SM 4500 Cl- E	
MB 500-718760/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-718760/58	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-718760/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-718760/59	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-234942-16 MS	MW-17A	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 718760 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-16 MSD	MW-17A	Total/NA	Water	SM 4500 Cl- E	

Prep Batch: 718999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	SM 4500 P B	
MB 500-718999/1-A	Method Blank	Total/NA	Water	SM 4500 P B	
LCS 500-718999/2-A	Lab Control Sample	Total/NA	Water	SM 4500 P B	

Analysis Batch: 719052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	4500 NH3 G	718731
MB 500-718731/1-A	Method Blank	Total/NA	Water	4500 NH3 G	718731
LCS 500-718731/2-A	Lab Control Sample	Total/NA	Water	4500 NH3 G	718731

Analysis Batch: 719122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-20	Leachate	Total/NA	Water	SM 4500 P E	718999
MB 500-718999/1-A	Method Blank	Total/NA	Water	SM 4500 P E	718999
LCS 500-718999/2-A	Lab Control Sample	Total/NA	Water	SM 4500 P E	718999

Field Service / Mobile Lab

Analysis Batch: 721721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234942-1	MW-4	Total/NA	Water	Field Sampling	
500-234942-2	MW-6	Total/NA	Water	Field Sampling	
500-234942-3	MW-7	Total/NA	Water	Field Sampling	
500-234942-4	MW-8	Total/NA	Water	Field Sampling	
500-234942-5	MW-9	Total/NA	Water	Field Sampling	
500-234942-6	MW-10	Total/NA	Water	Field Sampling	
500-234942-7	MW-15A	Total/NA	Water	Field Sampling	
500-234942-8	MW-15B	Total/NA	Water	Field Sampling	
500-234942-9	MW-15C	Total/NA	Water	Field Sampling	
500-234942-10	MW-11	Total/NA	Water	Field Sampling	
500-234942-11	MW-12	Total/NA	Water	Field Sampling	
500-234942-12	MW-13	Total/NA	Water	Field Sampling	
500-234942-13	MW-14	Total/NA	Water	Field Sampling	
500-234942-14	MW-16	Total/NA	Water	Field Sampling	
500-234942-15	MW-16B	Total/NA	Water	Field Sampling	
500-234942-16	MW-17A	Total/NA	Water	Field Sampling	
500-234942-17	MW-17B	Total/NA	Water	Field Sampling	
500-234942-18	MW-18A	Total/NA	Water	Field Sampling	
500-234942-19	MW-18B	Total/NA	Water	Field Sampling	
500-234942-20	Leachate	Total/NA	Water	Field Sampling	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-234942-1	MW-4	94	101	89	94
500-234942-2	MW-6	93	102	89	95
500-234942-3	MW-7	94	102	90	95
500-234942-4	MW-8	95	103	89	95
500-234942-5	MW-9	93	102	92	95
500-234942-6	MW-10	95	102	89	94
500-234942-7	MW-15A	95	102	90	95
500-234942-8	MW-15B	93	104	90	93
500-234942-9	MW-15C	96	104	91	94
500-234942-10	MW-11	92	104	91	94
500-234942-11	MW-12	95	105	91	94
500-234942-12	MW-13	94	104	92	95
500-234942-13	MW-14	92	105	93	94
500-234942-14	MW-16	93	104	92	93
500-234942-15	MW-16B	94	105	91	93
500-234942-16	MW-17A	94	106	92	93
500-234942-17	MW-17B	92	104	92	94
500-234942-18	MW-18A	96	105	92	94
500-234942-18 MS	MW-18A	96	101	88	94
500-234942-18 MSD	MW-18A	96	102	87	95
500-234942-19	MW-18B	98	100	99	109
500-234942-19 MS	MW-18B	103	102	99	109
500-234942-19 MSD	MW-18B	105	99	100	108
500-234942-20	Leachate	100	100	99	105
500-234942-21	Trip Blank	100	99	101	107
LCS 500-718468/4	Lab Control Sample	97	100	86	96
LCS 500-718868/14	Lab Control Sample	97	104	104	114
MB 500-718468/6	Method Blank	96	101	88	94
MB 500-718868/6	Method Blank	101	100	101	106

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPHL
Lab Sample ID	Client Sample ID	(27-110)	(20-110)	(36-120)	(34-110)	(40-145)	(40-145)
500-234942-12	MW-13	44 ^c	37	74	63	65	90
500-234942-20	Leachate	59 ^c	39	85	63	85	87
LCS 500-717761/2-A	Lab Control Sample	66	47	77	70	78	88
LCSD 500-717761/3-A	Lab Control Sample Dup	59	45	73	66	77	88
MB 500-717761/1-A	Method Blank	43	45	71	59	58	91

Surrogate Legend

2FP = 2-Fluorophenol (Surr)
PHL = Phenol-d5 (Surr)

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-718468/6
Matrix: Water
Analysis Batch: 718468

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.62	J	10	1.7	ug/L			06/14/23 12:30	1
Benzene	<0.15		0.50	0.15	ug/L			06/14/23 12:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/14/23 12:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/14/23 12:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/14/23 12:30	1
Bromoform	<0.48		1.0	0.48	ug/L			06/14/23 12:30	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/14/23 12:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/14/23 12:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/14/23 12:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/14/23 12:30	1
Chloroform	<0.37		2.0	0.37	ug/L			06/14/23 12:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/14/23 12:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/14/23 12:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/14/23 12:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/14/23 12:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/14/23 12:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/14/23 12:30	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/14/23 12:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/14/23 12:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/14/23 12:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/14/23 12:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/14/23 12:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/14/23 12:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/14/23 12:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/14/23 12:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/14/23 12:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/14/23 12:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/14/23 12:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 12:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/14/23 12:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/14/23 12:30	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/14/23 12:30	1
Chloromethane	0.692	J	5.0	0.32	ug/L			06/14/23 12:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/14/23 12:30	1
Methylene Chloride	5.10		5.0	1.6	ug/L			06/14/23 12:30	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/14/23 12:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/14/23 12:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/14/23 12:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/14/23 12:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/14/23 12:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/14/23 12:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/14/23 12:30	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/14/23 12:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 12:30	1
Styrene	<0.39		1.0	0.39	ug/L			06/14/23 12:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/14/23 12:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/14/23 12:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/14/23 12:30	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-718468/6
Matrix: Water
Analysis Batch: 718468

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/14/23 12:30	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/14/23 12:30	1
Toluene	<0.15		0.50	0.15	ug/L			06/14/23 12:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/14/23 12:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/14/23 12:30	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/14/23 12:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/14/23 12:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/14/23 12:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/14/23 12:30	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/14/23 12:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/14/23 12:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/14/23 12:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/14/23 12:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/14/23 12:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/14/23 12:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/14/23 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*06/14/23 12:30*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*06/14/23 12:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*		*06/14/23 12:30*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/14/23 12:30*	*1*

Lab Sample ID: LCS 500-718468/4
Matrix: Water
Analysis Batch: 718468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	35.2		ug/L		70	40 - 143
Benzene	50.0	43.1		ug/L		86	70 - 120
Bromobenzene	50.0	47.3		ug/L		95	70 - 122
Bromochloromethane	50.0	46.8		ug/L		94	65 - 122
Bromodichloromethane	50.0	43.0		ug/L		86	69 - 120
Bromoform	50.0	49.9		ug/L		100	56 - 132
Carbon disulfide	50.0	42.5		ug/L		85	66 - 120
Carbon tetrachloride	50.0	43.1		ug/L		86	59 - 133
Chlorobenzene	50.0	45.4		ug/L		91	70 - 120
Chloroethane	50.0	44.1		ug/L		88	48 - 136
Chloroform	50.0	42.3		ug/L		85	70 - 120
2-Chlorotoluene	50.0	44.9		ug/L		90	70 - 125
4-Chlorotoluene	50.0	45.3		ug/L		91	68 - 124
cis-1,2-Dichloroethene	50.0	44.0		ug/L		88	70 - 125
cis-1,3-Dichloropropene	50.0	39.2		ug/L		78	64 - 127
Dibromochloromethane	50.0	46.8		ug/L		94	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	32.5		ug/L		65	56 - 123
1,2-Dibromoethane (EDB)	50.0	43.8		ug/L		88	70 - 125
Dichlorodifluoromethane	50.0	36.1		ug/L		72	40 - 159
1,1-Dichloroethane	50.0	41.2		ug/L		82	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-718468/4
Matrix: Water
Analysis Batch: 718468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	39.6		ug/L		79	68 - 127
1,1-Dichloroethene	50.0	45.0		ug/L		90	67 - 122
1,2-Dichloropropane	50.0	42.9		ug/L		86	67 - 130
1,3-Dichloropropane	50.0	43.4		ug/L		87	62 - 136
2,2-Dichloropropane	50.0	42.2		ug/L		84	58 - 139
1,1-Dichloropropene	50.0	42.8		ug/L		86	70 - 121
Ethylbenzene	50.0	44.0		ug/L		88	70 - 123
Hexachlorobutadiene	50.0	39.8		ug/L		80	51 - 150
Isopropylbenzene	50.0	43.9		ug/L		88	70 - 126
1,3-Dichlorobenzene	50.0	44.3		ug/L		89	70 - 125
Bromomethane	50.0	57.3		ug/L		115	40 - 152
Chloromethane	50.0	41.3		ug/L		83	56 - 152
Dibromomethane	50.0	44.3		ug/L		89	70 - 120
Methylene Chloride	50.0	46.9		ug/L		94	69 - 125
2-Butanone (MEK)	50.0	40.5		ug/L		81	46 - 144
Methyl tert-butyl ether	50.0	37.4		ug/L		75	55 - 123
Naphthalene	50.0	37.8		ug/L		76	53 - 144
n-Butylbenzene	50.0	42.2		ug/L		84	68 - 125
N-Propylbenzene	50.0	45.3		ug/L		91	69 - 127
1,2-Dichlorobenzene	50.0	43.8		ug/L		88	70 - 125
1,4-Dichlorobenzene	50.0	44.3		ug/L		89	70 - 120
4-Isopropyltoluene	50.0	44.9		ug/L		90	70 - 125
sec-Butylbenzene	50.0	43.9		ug/L		88	70 - 123
Styrene	50.0	46.5		ug/L		93	70 - 120
tert-Butylbenzene	50.0	44.8		ug/L		90	70 - 121
1,1,1,2-Tetrachloroethane	50.0	43.4		ug/L		87	70 - 125
1,1,2,2-Tetrachloroethane	50.0	43.4		ug/L		87	62 - 140
Tetrachloroethene	50.0	45.5		ug/L		91	70 - 128
Tetrahydrofuran	100	66.9		ug/L		67	59 - 139
Toluene	50.0	46.0		ug/L		92	70 - 125
trans-1,2-Dichloroethene	50.0	43.8		ug/L		88	70 - 125
trans-1,3-Dichloropropene	50.0	40.1		ug/L		80	62 - 128
1,2,3-Trichlorobenzene	50.0	38.0		ug/L		76	51 - 145
1,2,4-Trichlorobenzene	50.0	39.3		ug/L		79	57 - 137
1,1,1-Trichloroethane	50.0	41.0		ug/L		82	70 - 125
1,1,2-Trichloroethane	50.0	43.9		ug/L		88	71 - 130
Trichloroethene	50.0	46.4		ug/L		93	70 - 125
Trichlorofluoromethane	50.0	44.2		ug/L		88	55 - 128
1,2,3-Trichloropropane	50.0	44.5		ug/L		89	50 - 133
1,2,4-Trimethylbenzene	50.0	45.6		ug/L		91	70 - 123
1,3,5-Trimethylbenzene	50.0	44.4		ug/L		89	70 - 123
Vinyl chloride	50.0	41.7		ug/L		83	64 - 126
Xylenes, Total	100	89.7		ug/L		90	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-718468/4
Matrix: Water
Analysis Batch: 718468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	96		75 - 120

Lab Sample ID: 500-234942-18 MS
Matrix: Water
Analysis Batch: 718468

Client Sample ID: MW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	<1.7		50.0	36.0		ug/L		72	40 - 143
Benzene	<0.15		50.0	44.6		ug/L		89	70 - 120
Bromobenzene	<0.36		50.0	49.2		ug/L		98	70 - 122
Bromochloromethane	<0.43		50.0	49.8		ug/L		100	65 - 122
Bromodichloromethane	<0.37		50.0	49.1		ug/L		98	69 - 120
Bromoform	<0.48		50.0	60.6		ug/L		121	56 - 132
Carbon disulfide	<0.45		50.0	45.6		ug/L		91	66 - 120
Carbon tetrachloride	<0.38		50.0	47.8		ug/L		96	59 - 133
Chlorobenzene	<0.39		50.0	47.4		ug/L		95	70 - 120
Chloroethane	<0.51		50.0	42.2		ug/L		84	48 - 136
Chloroform	<0.37		50.0	45.2		ug/L		90	70 - 120
2-Chlorotoluene	<0.31		50.0	46.2		ug/L		92	70 - 125
4-Chlorotoluene	<0.35		50.0	46.1		ug/L		92	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	45.8		ug/L		92	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	42.3		ug/L		85	64 - 127
Dibromochloromethane	<0.49		50.0	55.2		ug/L		110	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	41.4		ug/L		83	56 - 123
1,2-Dibromoethane (EDB)	<0.39		50.0	46.9		ug/L		94	70 - 125
Dichlorodifluoromethane	<0.67		50.0	35.5		ug/L		71	40 - 159
1,1-Dichloroethane	<0.41		50.0	42.9		ug/L		86	70 - 125
1,2-Dichloroethane	<0.39		50.0	42.8		ug/L		86	68 - 127
1,1-Dichloroethene	<0.39		50.0	44.6		ug/L		89	67 - 122
1,2-Dichloropropane	<0.43		50.0	43.8		ug/L		88	67 - 130
1,3-Dichloropropane	<0.36		50.0	45.9		ug/L		92	62 - 136
2,2-Dichloropropane	<0.44		50.0	41.5		ug/L		83	58 - 139
1,1-Dichloropropene	<0.30		50.0	44.5		ug/L		89	70 - 121
Ethylbenzene	<0.18		50.0	45.6		ug/L		91	70 - 123
Hexachlorobutadiene	<0.45		50.0	40.8		ug/L		82	51 - 150
Isopropylbenzene	<0.39		50.0	45.7		ug/L		91	70 - 126
1,3-Dichlorobenzene	<0.40		50.0	45.7		ug/L		91	70 - 125
Bromomethane	<0.80		50.0	61.9		ug/L		124	40 - 152
Chloromethane	<0.32		50.0	36.8		ug/L		74	56 - 152
Dibromomethane	<0.27		50.0	47.3		ug/L		95	70 - 120
Methylene Chloride	6.9	B	50.0	51.6		ug/L		89	69 - 125
2-Butanone (MEK)	<2.1		50.0	41.3		ug/L		83	46 - 144
Methyl tert-butyl ether	<0.39		50.0	37.8		ug/L		76	55 - 123
Naphthalene	<0.34		50.0	38.4		ug/L		77	53 - 144
n-Butylbenzene	<0.39		50.0	42.4		ug/L		85	68 - 125
N-Propylbenzene	<0.41		50.0	46.4		ug/L		93	69 - 127
1,2-Dichlorobenzene	<0.33		50.0	46.8		ug/L		94	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	45.3		ug/L		91	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-234942-18 MS
Matrix: Water
Analysis Batch: 718468

Client Sample ID: MW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Isopropyltoluene	<0.36		50.0	45.3		ug/L		91	70 - 125
sec-Butylbenzene	<0.40		50.0	45.3		ug/L		91	70 - 123
Styrene	<0.39		50.0	48.3		ug/L		97	70 - 120
tert-Butylbenzene	<0.40		50.0	46.2		ug/L		92	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	49.9		ug/L		100	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	47.1		ug/L		94	62 - 140
Tetrachloroethene	<0.37		50.0	46.8		ug/L		94	70 - 128
Tetrahydrofuran	<1.9		100	72.7		ug/L		73	59 - 139
Toluene	<0.15		50.0	48.0		ug/L		96	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	44.9		ug/L		90	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	43.8		ug/L		88	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	37.5		ug/L		75	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	37.0		ug/L		74	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	42.8		ug/L		86	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	47.8		ug/L		96	71 - 130
Trichloroethene	0.35	J	50.0	48.2		ug/L		96	70 - 125
Trichlorofluoromethane	<0.43		50.0	42.8		ug/L		86	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	47.9		ug/L		96	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	46.5		ug/L		93	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	46.4		ug/L		93	70 - 123
Vinyl chloride	<0.20		50.0	42.6		ug/L		85	64 - 126
Xylenes, Total	<0.22		100	93.6		ug/L		94	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: 500-234942-18 MSD
Matrix: Water
Analysis Batch: 718468

Client Sample ID: MW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	<1.7		50.0	36.5		ug/L		73	40 - 143	1	20
Benzene	<0.15		50.0	42.9		ug/L		86	70 - 120	4	20
Bromobenzene	<0.36		50.0	47.8		ug/L		96	70 - 122	3	20
Bromochloromethane	<0.43		50.0	48.9		ug/L		98	65 - 122	2	20
Bromodichloromethane	<0.37		50.0	48.0		ug/L		96	69 - 120	2	20
Bromoform	<0.48		50.0	58.7		ug/L		117	56 - 132	3	20
Carbon disulfide	<0.45		50.0	45.7		ug/L		91	66 - 120	0	20
Carbon tetrachloride	<0.38		50.0	46.4		ug/L		93	59 - 133	3	20
Chlorobenzene	<0.39		50.0	45.9		ug/L		92	70 - 120	3	20
Chloroethane	<0.51		50.0	43.1		ug/L		86	48 - 136	2	20
Chloroform	<0.37		50.0	44.1		ug/L		88	70 - 120	2	20
2-Chlorotoluene	<0.31		50.0	45.0		ug/L		90	70 - 125	3	20
4-Chlorotoluene	<0.35		50.0	44.8		ug/L		90	68 - 124	3	20
cis-1,2-Dichloroethene	<0.41		50.0	45.1		ug/L		90	70 - 125	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-234942-18 MSD
Matrix: Water
Analysis Batch: 718468

Client Sample ID: MW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	<0.42		50.0	42.4		ug/L		85	64 - 127	0	20
Dibromochloromethane	<0.49		50.0	54.0		ug/L		108	68 - 125	2	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	44.3		ug/L		89	56 - 123	7	20
1,2-Dibromoethane (EDB)	<0.39		50.0	46.2		ug/L		92	70 - 125	1	20
Dichlorodifluoromethane	<0.67		50.0	35.6		ug/L		71	40 - 159	0	20
1,1-Dichloroethane	<0.41		50.0	41.3		ug/L		83	70 - 125	4	20
1,2-Dichloroethane	<0.39		50.0	42.2		ug/L		84	68 - 127	1	20
1,1-Dichloroethene	<0.39		50.0	43.6		ug/L		87	67 - 122	2	20
1,2-Dichloropropane	<0.43		50.0	43.2		ug/L		86	67 - 130	1	20
1,3-Dichloropropane	<0.36		50.0	43.9		ug/L		88	62 - 136	5	20
2,2-Dichloropropane	<0.44		50.0	41.2		ug/L		82	58 - 139	1	20
1,1-Dichloropropene	<0.30		50.0	42.7		ug/L		85	70 - 121	4	20
Ethylbenzene	<0.18		50.0	44.2		ug/L		88	70 - 123	3	20
Hexachlorobutadiene	<0.45		50.0	39.6		ug/L		79	51 - 150	3	20
Isopropylbenzene	<0.39		50.0	44.5		ug/L		89	70 - 126	2	20
1,3-Dichlorobenzene	<0.40		50.0	44.6		ug/L		89	70 - 125	2	20
Bromomethane	<0.80		50.0	62.2		ug/L		124	40 - 152	0	20
Chloromethane	<0.32		50.0	36.9		ug/L		74	56 - 152	0	20
Dibromomethane	<0.27		50.0	45.7		ug/L		91	70 - 120	3	20
Methylene Chloride	6.9	B	50.0	51.5		ug/L		89	69 - 125	0	20
2-Butanone (MEK)	<2.1		50.0	42.4		ug/L		85	46 - 144	3	20
Methyl tert-butyl ether	<0.39		50.0	37.6		ug/L		75	55 - 123	1	20
Naphthalene	<0.34		50.0	38.4		ug/L		77	53 - 144	0	20
n-Butylbenzene	<0.39		50.0	40.6		ug/L		81	68 - 125	4	20
N-Propylbenzene	<0.41		50.0	45.3		ug/L		91	69 - 127	2	20
1,2-Dichlorobenzene	<0.33		50.0	46.4		ug/L		93	70 - 125	1	20
1,4-Dichlorobenzene	<0.36		50.0	43.5		ug/L		87	70 - 120	4	20
4-Isopropyltoluene	<0.36		50.0	43.7		ug/L		87	70 - 125	4	20
sec-Butylbenzene	<0.40		50.0	44.6		ug/L		89	70 - 123	1	20
Styrene	<0.39		50.0	46.9		ug/L		94	70 - 120	3	20
tert-Butylbenzene	<0.40		50.0	45.2		ug/L		90	70 - 121	2	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	48.7		ug/L		97	70 - 125	3	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	47.7		ug/L		95	62 - 140	1	20
Tetrachloroethene	<0.37		50.0	45.6		ug/L		91	70 - 128	3	20
Tetrahydrofuran	<1.9		100	73.4		ug/L		73	59 - 139	1	20
Toluene	<0.15		50.0	46.6		ug/L		93	70 - 125	3	20
trans-1,2-Dichloroethene	<0.35		50.0	44.7		ug/L		89	70 - 125	0	20
trans-1,3-Dichloropropene	<0.36		50.0	43.6		ug/L		87	62 - 128	1	20
1,2,3-Trichlorobenzene	<0.46		50.0	37.3		ug/L		75	51 - 145	1	20
1,2,4-Trichlorobenzene	<0.34		50.0	35.6		ug/L		71	57 - 137	4	20
1,1,1-Trichloroethane	<0.38		50.0	41.6		ug/L		83	70 - 125	3	20
1,1,2-Trichloroethane	<0.35		50.0	46.1		ug/L		92	71 - 130	3	20
Trichloroethene	0.35	J	50.0	46.9		ug/L		93	70 - 125	3	20
Trichlorofluoromethane	<0.43		50.0	43.6		ug/L		87	55 - 128	2	20
1,2,3-Trichloropropane	<0.41		50.0	48.9		ug/L		98	50 - 133	2	20
1,2,4-Trimethylbenzene	<0.36		50.0	45.3		ug/L		91	70 - 123	3	20
1,3,5-Trimethylbenzene	<0.25		50.0	45.6		ug/L		91	70 - 123	2	20
Vinyl chloride	<0.20		50.0	42.5		ug/L		85	64 - 126	0	20
Xylenes, Total	<0.22		100	89.9		ug/L		90	70 - 125	4	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Sample ID: MB 500-718868/6
Matrix: Water
Analysis Batch: 718868

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.74	J	10	1.7	ug/L			06/16/23 00:05	1
Benzene	<0.15		0.50	0.15	ug/L			06/16/23 00:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/16/23 00:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/16/23 00:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/16/23 00:05	1
Bromoform	<0.48		1.0	0.48	ug/L			06/16/23 00:05	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/16/23 00:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/16/23 00:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/16/23 00:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/16/23 00:05	1
Chloroform	<0.37		2.0	0.37	ug/L			06/16/23 00:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/16/23 00:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/16/23 00:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/16/23 00:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/16/23 00:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/16/23 00:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/16/23 00:05	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/16/23 00:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/16/23 00:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/16/23 00:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/16/23 00:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/16/23 00:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/16/23 00:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/16/23 00:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/16/23 00:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/16/23 00:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/16/23 00:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/16/23 00:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/16/23 00:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/16/23 00:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/16/23 00:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/16/23 00:05	1
Chloromethane	1.34	J	5.0	0.32	ug/L			06/16/23 00:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/16/23 00:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/16/23 00:05	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/16/23 00:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/16/23 00:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/16/23 00:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/16/23 00:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/16/23 00:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/16/23 00:05	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-718868/6
Matrix: Water
Analysis Batch: 718868

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/16/23 00:05	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/16/23 00:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/16/23 00:05	1
Styrene	<0.39		1.0	0.39	ug/L			06/16/23 00:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/16/23 00:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/16/23 00:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/16/23 00:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/16/23 00:05	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/16/23 00:05	1
Toluene	<0.15		0.50	0.15	ug/L			06/16/23 00:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/16/23 00:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/16/23 00:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/16/23 00:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/16/23 00:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/16/23 00:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/16/23 00:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/16/23 00:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/16/23 00:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/16/23 00:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/16/23 00:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/16/23 00:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/16/23 00:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/16/23 00:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/16/23 00:05*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*06/16/23 00:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*06/16/23 00:05*	*1*
Toluene-d8 (Surr)	*106*		*75 - 120*		*06/16/23 00:05*	*1*

Lab Sample ID: LCS 500-718868/14
Matrix: Water
Analysis Batch: 718868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	38.2		ug/L		76	40 - 143
Benzene	50.0	48.4		ug/L		97	70 - 120
Bromobenzene	50.0	43.9		ug/L		88	70 - 122
Bromochloromethane	50.0	45.7		ug/L		91	65 - 122
Bromodichloromethane	50.0	42.5		ug/L		85	69 - 120
Bromoform	50.0	41.7		ug/L		83	56 - 132
Carbon disulfide	50.0	47.4		ug/L		95	66 - 120
Carbon tetrachloride	50.0	45.4		ug/L		91	59 - 133
Chlorobenzene	50.0	44.9		ug/L		90	70 - 120
Chloroethane	50.0	54.7		ug/L		109	48 - 136
Chloroform	50.0	48.6		ug/L		97	70 - 120
2-Chlorotoluene	50.0	48.4		ug/L		97	70 - 125
4-Chlorotoluene	50.0	45.6		ug/L		91	68 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-718868/14
Matrix: Water
Analysis Batch: 718868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	50.0	50.4		ug/L		101	70 - 125
cis-1,3-Dichloropropene	50.0	46.2		ug/L		92	64 - 127
Dibromochloromethane	50.0	41.1		ug/L		82	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	53.9		ug/L		108	56 - 123
1,2-Dibromoethane (EDB)	50.0	44.9		ug/L		90	70 - 125
Dichlorodifluoromethane	50.0	51.5		ug/L		103	40 - 159
1,1-Dichloroethane	50.0	47.2		ug/L		94	70 - 125
1,2-Dichloroethane	50.0	45.0		ug/L		90	68 - 127
1,1-Dichloroethene	50.0	48.2		ug/L		96	67 - 122
1,2-Dichloropropane	50.0	40.7		ug/L		81	67 - 130
1,3-Dichloropropane	50.0	45.1		ug/L		90	62 - 136
2,2-Dichloropropane	50.0	49.6		ug/L		99	58 - 139
1,1-Dichloropropene	50.0	50.8		ug/L		102	70 - 121
Ethylbenzene	50.0	48.3		ug/L		97	70 - 123
Hexachlorobutadiene	50.0	70.1		ug/L		140	51 - 150
Isopropylbenzene	50.0	48.4		ug/L		97	70 - 126
1,3-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 125
Bromomethane	50.0	56.7		ug/L		113	40 - 152
Chloromethane	50.0	39.9		ug/L		80	56 - 152
Dibromomethane	50.0	43.9		ug/L		88	70 - 120
Methylene Chloride	50.0	51.2		ug/L		102	69 - 125
2-Butanone (MEK)	50.0	34.5		ug/L		69	46 - 144
Methyl tert-butyl ether	50.0	51.3		ug/L		103	55 - 123
Naphthalene	50.0	52.3		ug/L		105	53 - 144
n-Butylbenzene	50.0	52.5		ug/L		105	68 - 125
N-Propylbenzene	50.0	47.0		ug/L		94	69 - 127
1,2-Dichlorobenzene	50.0	50.9		ug/L		102	70 - 125
1,4-Dichlorobenzene	50.0	47.2		ug/L		94	70 - 120
4-Isopropyltoluene	50.0	48.6		ug/L		97	70 - 125
sec-Butylbenzene	50.0	50.7		ug/L		101	70 - 123
Styrene	50.0	46.1		ug/L		92	70 - 120
tert-Butylbenzene	50.0	48.7		ug/L		97	70 - 121
1,1,1,2-Tetrachloroethane	50.0	52.1		ug/L		104	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.9		ug/L		96	62 - 140
Tetrachloroethene	50.0	52.8		ug/L		106	70 - 128
Tetrahydrofuran	100	71.8		ug/L		72	59 - 139
Toluene	50.0	49.2		ug/L		98	70 - 125
trans-1,2-Dichloroethene	50.0	49.2		ug/L		98	70 - 125
trans-1,3-Dichloropropene	50.0	41.7		ug/L		83	62 - 128
1,2,3-Trichlorobenzene	50.0	61.8		ug/L		124	51 - 145
1,2,4-Trichlorobenzene	50.0	60.5		ug/L		121	57 - 137
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	70 - 125
1,1,2-Trichloroethane	50.0	46.2		ug/L		92	71 - 130
Trichloroethene	50.0	43.8		ug/L		88	70 - 125
Trichlorofluoromethane	50.0	46.1		ug/L		92	55 - 128
1,2,3-Trichloropropane	50.0	46.9		ug/L		94	50 - 133
1,2,4-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	50.0	50.3		ug/L		101	70 - 123
Vinyl chloride	50.0	53.0		ug/L		106	64 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-718868/14
Matrix: Water
Analysis Batch: 718868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			100	106		ug/L		106	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane (Surr)	*104*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
Toluene-d8 (Surr)	*114*		*75 - 120*

Lab Sample ID: 500-234942-19 MS
Matrix: Water
Analysis Batch: 718868

Client Sample ID: MW-18B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone	2.8	J B	50.0	39.2		ug/L		73	40 - 143		
Benzene	<0.15		50.0	63.4	F1	ug/L		127	70 - 120		
Bromobenzene	<0.36		50.0	59.3		ug/L		119	70 - 122		
Bromochloromethane	<0.43		50.0	57.6		ug/L		115	65 - 122		
Bromodichloromethane	<0.37		50.0	54.4		ug/L		109	69 - 120		
Bromoform	<0.48		50.0	49.9		ug/L		100	56 - 132		
Carbon disulfide	<0.45		50.0	62.2	F1	ug/L		124	66 - 120		
Carbon tetrachloride	<0.38		50.0	58.1		ug/L		116	59 - 133		
Chlorobenzene	<0.39		50.0	57.3		ug/L		115	70 - 120		
Chloroethane	<0.51		50.0	51.0		ug/L		102	48 - 136		
Chloroform	1.1	J	50.0	62.4	F1	ug/L		123	70 - 120		
2-Chlorotoluene	<0.31		50.0	63.4	F1	ug/L		127	70 - 125		
4-Chlorotoluene	<0.35		50.0	60.5		ug/L		121	68 - 124		
cis-1,2-Dichloroethene	<0.41		50.0	64.5	F1	ug/L		129	70 - 125		
cis-1,3-Dichloropropene	<0.42		50.0	57.2		ug/L		114	64 - 127		
Dibromochloromethane	<0.49		50.0	51.6		ug/L		103	68 - 125		
1,2-Dibromo-3-Chloropropane	<2.0		50.0	60.8		ug/L		122	56 - 123		
1,2-Dibromoethane (EDB)	<0.39		50.0	57.0		ug/L		114	70 - 125		
Dichlorodifluoromethane	<0.67		50.0	41.9		ug/L		84	40 - 159		
1,1-Dichloroethane	<0.41		50.0	60.5		ug/L		121	70 - 125		
1,2-Dichloroethane	<0.39		50.0	55.9		ug/L		112	68 - 127		
1,1-Dichloroethene	<0.39		50.0	62.8	F1	ug/L		126	67 - 122		
1,2-Dichloropropane	<0.43		50.0	53.5		ug/L		107	67 - 130		
1,3-Dichloropropane	<0.36		50.0	58.3		ug/L		117	62 - 136		
2,2-Dichloropropane	<0.44		50.0	60.4		ug/L		121	58 - 139		
1,1-Dichloropropene	<0.30		50.0	64.9	F1	ug/L		130	70 - 121		
Ethylbenzene	<0.18		50.0	60.3		ug/L		121	70 - 123		
Hexachlorobutadiene	<0.45		50.0	83.7	F1	ug/L		167	51 - 150		
Isopropylbenzene	<0.39		50.0	63.1		ug/L		126	70 - 126		
1,3-Dichlorobenzene	<0.40		50.0	61.8		ug/L		124	70 - 125		
Bromomethane	<0.80		50.0	53.4		ug/L		107	40 - 152		
Chloromethane	2.0	J B	50.0	35.7		ug/L		67	56 - 152		
Dibromomethane	<0.27		50.0	55.4		ug/L		111	70 - 120		
Methylene Chloride	<1.6		50.0	65.4	F1	ug/L		131	69 - 125		
2-Butanone (MEK)	<2.1		50.0	31.9		ug/L		64	46 - 144		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-234942-19 MS
Matrix: Water
Analysis Batch: 718868

Client Sample ID: MW-18B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	<0.39		50.0	62.6	F1	ug/L		125	55 - 123
Naphthalene	<0.34		50.0	58.6		ug/L		117	53 - 144
n-Butylbenzene	<0.39		50.0	65.7	F1	ug/L		131	68 - 125
N-Propylbenzene	<0.41		50.0	61.6		ug/L		123	69 - 127
1,2-Dichlorobenzene	<0.33		50.0	63.8	F1	ug/L		128	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	60.4	F1	ug/L		121	70 - 120
4-Isopropyltoluene	<0.36		50.0	62.6		ug/L		125	70 - 125
sec-Butylbenzene	<0.40		50.0	65.7	F1	ug/L		131	70 - 123
Styrene	<0.39		50.0	58.8		ug/L		118	70 - 120
tert-Butylbenzene	<0.40		50.0	63.6	F1	ug/L		127	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	61.7		ug/L		123	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	59.2		ug/L		118	62 - 140
Tetrachloroethene	<0.37		50.0	65.0	F1	ug/L		130	70 - 128
Tetrahydrofuran	<1.9		100	82.7		ug/L		83	59 - 139
Toluene	<0.15		50.0	60.2		ug/L		120	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	64.5	F1	ug/L		129	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	53.3		ug/L		107	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	69.3		ug/L		139	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	68.8	F1	ug/L		138	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	62.7		ug/L		125	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	57.3		ug/L		115	71 - 130
Trichloroethene	1.3		50.0	56.5		ug/L		110	70 - 125
Trichlorofluoromethane	<0.43		50.0	42.7		ug/L		85	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	58.2		ug/L		116	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	65.0	F1	ug/L		130	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	65.1	F1	ug/L		130	70 - 123
Vinyl chloride	<0.20		50.0	47.2		ug/L		94	64 - 126
Xylenes, Total	<0.22		100	131	F1	ug/L		131	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*109*		*75 - 120*

Lab Sample ID: 500-234942-19 MSD
Matrix: Water
Analysis Batch: 718868

Client Sample ID: MW-18B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	2.8	J B	50.0	44.4		ug/L		83	40 - 143	12	20
Benzene	<0.15		50.0	60.4	F1	ug/L		121	70 - 120	5	20
Bromobenzene	<0.36		50.0	58.6		ug/L		117	70 - 122	1	20
Bromochloromethane	<0.43		50.0	54.4		ug/L		109	65 - 122	6	20
Bromodichloromethane	<0.37		50.0	54.3		ug/L		109	69 - 120	0	20
Bromoform	<0.48		50.0	50.8		ug/L		102	56 - 132	2	20
Carbon disulfide	<0.45		50.0	57.1		ug/L		114	66 - 120	9	20
Carbon tetrachloride	<0.38		50.0	53.9		ug/L		108	59 - 133	7	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-234942-19 MSD
Matrix: Water
Analysis Batch: 718868

Client Sample ID: MW-18B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobenzene	<0.39		50.0	55.6		ug/L		111	70 - 120	3	20
Chloroethane	<0.51		50.0	48.1		ug/L		96	48 - 136	6	20
Chloroform	1.1	J	50.0	58.1		ug/L		114	70 - 120	7	20
2-Chlorotoluene	<0.31		50.0	60.3		ug/L		121	70 - 125	5	20
4-Chlorotoluene	<0.35		50.0	58.9		ug/L		118	68 - 124	3	20
cis-1,2-Dichloroethene	<0.41		50.0	59.7		ug/L		119	70 - 125	8	20
cis-1,3-Dichloropropene	<0.42		50.0	57.3		ug/L		115	64 - 127	0	20
Dibromochloromethane	<0.49		50.0	51.4		ug/L		103	68 - 125	0	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	60.5		ug/L		121	56 - 123	1	20
1,2-Dibromoethane (EDB)	<0.39		50.0	60.3		ug/L		121	70 - 125	6	20
Dichlorodifluoromethane	<0.67		50.0	39.6		ug/L		79	40 - 159	6	20
1,1-Dichloroethane	<0.41		50.0	56.5		ug/L		113	70 - 125	7	20
1,2-Dichloroethane	<0.39		50.0	54.8		ug/L		110	68 - 127	2	20
1,1-Dichloroethene	<0.39		50.0	57.5		ug/L		115	67 - 122	9	20
1,2-Dichloropropane	<0.43		50.0	52.4		ug/L		105	67 - 130	2	20
1,3-Dichloropropane	<0.36		50.0	59.4		ug/L		119	62 - 136	2	20
2,2-Dichloropropane	<0.44		50.0	55.6		ug/L		111	58 - 139	8	20
1,1-Dichloropropene	<0.30		50.0	60.9	F1	ug/L		122	70 - 121	7	20
Ethylbenzene	<0.18		50.0	56.8		ug/L		114	70 - 123	6	20
Hexachlorobutadiene	<0.45		50.0	77.9	F1	ug/L		156	51 - 150	7	20
Isopropylbenzene	<0.39		50.0	60.1		ug/L		120	70 - 126	5	20
1,3-Dichlorobenzene	<0.40		50.0	59.1		ug/L		118	70 - 125	5	20
Bromomethane	<0.80		50.0	49.9		ug/L		100	40 - 152	7	20
Chloromethane	2.0	J B	50.0	33.3		ug/L		63	56 - 152	7	20
Dibromomethane	<0.27		50.0	56.5		ug/L		113	70 - 120	2	20
Methylene Chloride	<1.6		50.0	61.1		ug/L		122	69 - 125	7	20
2-Butanone (MEK)	<2.1		50.0	38.0		ug/L		76	46 - 144	17	20
Methyl tert-butyl ether	<0.39		50.0	59.7		ug/L		119	55 - 123	5	20
Naphthalene	<0.34		50.0	58.3		ug/L		117	53 - 144	0	20
n-Butylbenzene	<0.39		50.0	62.0		ug/L		124	68 - 125	6	20
N-Propylbenzene	<0.41		50.0	59.1		ug/L		118	69 - 127	4	20
1,2-Dichlorobenzene	<0.33		50.0	60.7		ug/L		121	70 - 125	5	20
1,4-Dichlorobenzene	<0.36		50.0	58.5		ug/L		117	70 - 120	3	20
4-Isopropyltoluene	<0.36		50.0	58.7		ug/L		117	70 - 125	6	20
sec-Butylbenzene	<0.40		50.0	62.3	F1	ug/L		125	70 - 123	5	20
Styrene	<0.39		50.0	57.3		ug/L		115	70 - 120	2	20
tert-Butylbenzene	<0.40		50.0	60.4		ug/L		121	70 - 121	5	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	57.7		ug/L		115	70 - 125	7	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	60.9		ug/L		122	62 - 140	3	20
Tetrachloroethene	<0.37		50.0	61.7		ug/L		123	70 - 128	5	20
Tetrahydrofuran	<1.9		100	87.3		ug/L		87	59 - 139	5	20
Toluene	<0.15		50.0	57.6		ug/L		115	70 - 125	4	20
trans-1,2-Dichloroethene	<0.35		50.0	58.7		ug/L		117	70 - 125	10	20
trans-1,3-Dichloropropene	<0.36		50.0	55.1		ug/L		110	62 - 128	3	20
1,2,3-Trichlorobenzene	<0.46		50.0	67.4		ug/L		135	51 - 145	3	20
1,2,4-Trichlorobenzene	<0.34		50.0	65.6		ug/L		131	57 - 137	5	20
1,1,1-Trichloroethane	<0.38		50.0	58.0		ug/L		116	70 - 125	8	20
1,1,2-Trichloroethane	<0.35		50.0	57.4		ug/L		115	71 - 130	0	20
Trichloroethene	1.3		50.0	54.9		ug/L		107	70 - 125	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-234942-19 MSD
Matrix: Water
Analysis Batch: 718868

Client Sample ID: MW-18B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichlorofluoromethane	<0.43		50.0	21.5	F1 F2	ug/L		43	55 - 128	66	20
1,2,3-Trichloropropane	<0.41		50.0	59.8		ug/L		120	50 - 133	3	20
1,2,4-Trimethylbenzene	<0.36		50.0	61.5		ug/L		123	70 - 123	6	20
1,3,5-Trimethylbenzene	<0.25		50.0	61.9	F1	ug/L		124	70 - 123	5	20
Vinyl chloride	<0.20		50.0	42.1		ug/L		84	64 - 126	12	20
Xylenes, Total	<0.22		100	122		ug/L		122	70 - 125	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
Toluene-d8 (Surr)	*108*		*75 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-717761/1-A
Matrix: Water
Analysis Batch: 717703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717761

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.19		1.6	0.19	ug/L		06/09/23 08:33	06/09/23 16:13	1
1,2-Dichlorobenzene	<0.20		1.6	0.20	ug/L		06/09/23 08:33	06/09/23 16:13	1
1,3-Dichlorobenzene	<0.17		1.6	0.17	ug/L		06/09/23 08:33	06/09/23 16:13	1
1,4-Dichlorobenzene	<0.17		1.6	0.17	ug/L		06/09/23 08:33	06/09/23 16:13	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		06/09/23 08:33	06/09/23 16:13	1
2,2'-oxybis[1-chloropropane]	<0.30		1.6	0.30	ug/L		06/09/23 08:33	06/09/23 16:13	1
2,4,5-Trichlorophenol	<2.1		8.0	2.1	ug/L		06/09/23 08:33	06/09/23 16:13	1
2,4,6-Trichlorophenol	<0.57		4.0	0.57	ug/L		06/09/23 08:33	06/09/23 16:13	1
2,4-Dichlorophenol	<2.1		8.0	2.1	ug/L		06/09/23 08:33	06/09/23 16:13	1
2,4-Dimethylphenol	<1.4		8.0	1.4	ug/L		06/09/23 08:33	06/09/23 16:13	1
2,4-Dinitrophenol	<6.9		16	6.9	ug/L		06/09/23 08:33	06/09/23 16:13	1
2,4-Dinitrotoluene	<0.20		0.80	0.20	ug/L		06/09/23 08:33	06/09/23 16:13	1
2,6-Dinitrotoluene	<0.059		0.80	0.059	ug/L		06/09/23 08:33	06/09/23 16:13	1
2-Chloronaphthalene	<0.19		1.6	0.19	ug/L		06/09/23 08:33	06/09/23 16:13	1
2-Chlorophenol	<0.45		4.0	0.45	ug/L		06/09/23 08:33	06/09/23 16:13	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		06/09/23 08:33	06/09/23 16:13	1
2-Methylphenol	<0.24		1.6	0.24	ug/L		06/09/23 08:33	06/09/23 16:13	1
2-Nitroaniline	<1.0		4.0	1.0	ug/L		06/09/23 08:33	06/09/23 16:13	1
2-Nitrophenol	<2.0		8.0	2.0	ug/L		06/09/23 08:33	06/09/23 16:13	1
3 & 4 Methylphenol	<0.36		1.6	0.36	ug/L		06/09/23 08:33	06/09/23 16:13	1
3,3'-Dichlorobenzidine	<1.4		4.0	1.4	ug/L		06/09/23 08:33	06/09/23 16:13	1
3-Nitroaniline	<1.4		8.0	1.4	ug/L		06/09/23 08:33	06/09/23 16:13	1
4,6-Dinitro-2-methylphenol	<4.7		16	4.7	ug/L		06/09/23 08:33	06/09/23 16:13	1
4-Bromophenyl phenyl ether	<0.43		4.0	0.43	ug/L		06/09/23 08:33	06/09/23 16:13	1
4-Chloro-3-methylphenol	<1.8		8.0	1.8	ug/L		06/09/23 08:33	06/09/23 16:13	1
4-Chloroaniline	<1.6		8.0	1.6	ug/L		06/09/23 08:33	06/09/23 16:13	1
4-Chlorophenyl phenyl ether	<0.51		4.0	0.51	ug/L		06/09/23 08:33	06/09/23 16:13	1
4-Nitroaniline	<1.3		8.0	1.3	ug/L		06/09/23 08:33	06/09/23 16:13	1
4-Nitrophenol	<5.9		16	5.9	ug/L		06/09/23 08:33	06/09/23 16:13	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-717761/1-A
Matrix: Water
Analysis Batch: 717703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717761

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.80	0.25	ug/L		06/09/23 08:33	06/09/23 16:13	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		06/09/23 08:33	06/09/23 16:13	1
Anthracene	<0.27		0.80	0.27	ug/L		06/09/23 08:33	06/09/23 16:13	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		06/09/23 08:33	06/09/23 16:13	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		06/09/23 08:33	06/09/23 16:13	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		06/09/23 08:33	06/09/23 16:13	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		06/09/23 08:33	06/09/23 16:13	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		06/09/23 08:33	06/09/23 16:13	1
Benzoic acid	<4.6		16	4.6	ug/L		06/09/23 08:33	06/09/23 16:13	1
Benzyl alcohol	<4.8		16	4.8	ug/L		06/09/23 08:33	06/09/23 16:13	1
Bis(2-chloroethoxy)methane	<0.23		1.6	0.23	ug/L		06/09/23 08:33	06/09/23 16:13	1
Bis(2-chloroethyl)ether	<0.23		1.6	0.23	ug/L		06/09/23 08:33	06/09/23 16:13	1
Bis(2-ethylhexyl) phthalate	<1.4		8.0	1.4	ug/L		06/09/23 08:33	06/09/23 16:13	1
Butyl benzyl phthalate	<0.38		1.6	0.38	ug/L		06/09/23 08:33	06/09/23 16:13	1
Carbazole	<0.28		4.0	0.28	ug/L		06/09/23 08:33	06/09/23 16:13	1
Chrysene	<0.055		0.16	0.055	ug/L		06/09/23 08:33	06/09/23 16:13	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		06/09/23 08:33	06/09/23 16:13	1
Dibenzofuran	<0.21		1.6	0.21	ug/L		06/09/23 08:33	06/09/23 16:13	1
Diethyl phthalate	<0.29		4.0	0.29	ug/L		06/09/23 08:33	06/09/23 16:13	1
Dimethyl phthalate	<0.25		4.0	0.25	ug/L		06/09/23 08:33	06/09/23 16:13	1
Di-n-butyl phthalate	<0.58		4.0	0.58	ug/L		06/09/23 08:33	06/09/23 16:13	1
Di-n-octyl phthalate	<0.84		8.0	0.84	ug/L		06/09/23 08:33	06/09/23 16:13	1
Fluoranthene	<0.36		0.80	0.36	ug/L		06/09/23 08:33	06/09/23 16:13	1
Fluorene	<0.20		0.80	0.20	ug/L		06/09/23 08:33	06/09/23 16:13	1
Hexachlorobenzene	<0.064		0.40	0.064	ug/L		06/09/23 08:33	06/09/23 16:13	1
Hexachlorobutadiene	<0.41		4.0	0.41	ug/L		06/09/23 08:33	06/09/23 16:13	1
Hexachlorocyclopentadiene	<5.1		16	5.1	ug/L		06/09/23 08:33	06/09/23 16:13	1
Hexachloroethane	<0.48		4.0	0.48	ug/L		06/09/23 08:33	06/09/23 16:13	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		06/09/23 08:33	06/09/23 16:13	1
Isophorone	<0.30		1.6	0.30	ug/L		06/09/23 08:33	06/09/23 16:13	1
Naphthalene	<0.25		0.80	0.25	ug/L		06/09/23 08:33	06/09/23 16:13	1
Nitrobenzene	<0.36		0.80	0.36	ug/L		06/09/23 08:33	06/09/23 16:13	1
N-Nitrosodi-n-propylamine	<0.12		0.40	0.12	ug/L		06/09/23 08:33	06/09/23 16:13	1
N-Nitrosodiphenylamine	<0.30		1.6	0.30	ug/L		06/09/23 08:33	06/09/23 16:13	1
Pentachlorophenol	<3.2		16	3.2	ug/L		06/09/23 08:33	06/09/23 16:13	1
Phenanthrene	<0.24		0.80	0.24	ug/L		06/09/23 08:33	06/09/23 16:13	1
Phenol	<0.54		4.0	0.54	ug/L		06/09/23 08:33	06/09/23 16:13	1
Pyrene	<0.34		0.80	0.34	ug/L		06/09/23 08:33	06/09/23 16:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*43*		*27 - 110*	*06/09/23 08:33*	*06/09/23 16:13*	*1*
Phenol-d5 (Surr)	*45*		*20 - 110*	*06/09/23 08:33*	*06/09/23 16:13*	*1*
Nitrobenzene-d5 (Surr)	*71*		*36 - 120*	*06/09/23 08:33*	*06/09/23 16:13*	*1*
2-Fluorobiphenyl	*59*		*34 - 110*	*06/09/23 08:33*	*06/09/23 16:13*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*40 - 145*	*06/09/23 08:33*	*06/09/23 16:13*	*1*
Terphenyl-d14 (Surr)	*91*		*40 - 145*	*06/09/23 08:33*	*06/09/23 16:13*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-717761/2-A
Matrix: Water
Analysis Batch: 717703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717761

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	32.0	15.7		ug/L		49	26 - 110
1,2-Dichlorobenzene	32.0	16.8		ug/L		53	26 - 110
1,3-Dichlorobenzene	32.0	16.8		ug/L		53	22 - 110
1,4-Dichlorobenzene	32.0	17.2		ug/L		54	23 - 110
1-Methylnaphthalene	32.0	18.4		ug/L		58	38 - 110
2,2'-oxybis[1-chloropropane]	32.0	23.5		ug/L		73	38 - 140
2,4,5-Trichlorophenol	32.0	23.2		ug/L		72	63 - 124
2,4,6-Trichlorophenol	32.0	22.4		ug/L		70	62 - 121
2,4-Dichlorophenol	32.0	22.8		ug/L		71	58 - 120
2,4-Dimethylphenol	32.0	23.0		ug/L		72	51 - 115
2,4-Dinitrophenol	64.0	26.5		ug/L		41	37 - 130
2,4-Dinitrotoluene	32.0	26.0		ug/L		81	63 - 129
2,6-Dinitrotoluene	32.0	25.5		ug/L		80	63 - 129
2-Chloronaphthalene	32.0	19.0		ug/L		59	39 - 110
2-Chlorophenol	32.0	24.0		ug/L		75	59 - 110
2-Methylnaphthalene	32.0	26.8		ug/L		84	34 - 110
2-Methylphenol	32.0	23.2		ug/L		73	53 - 115
2-Nitroaniline	32.0	31.8		ug/L		99	59 - 138
2-Nitrophenol	32.0	22.5		ug/L		70	59 - 115
3 & 4 Methylphenol	32.0	21.4		ug/L		67	50 - 116
3,3'-Dichlorobenzidine	32.0	26.4		ug/L		82	60 - 132
3-Nitroaniline	32.0	19.6		ug/L		61	47 - 123
4,6-Dinitro-2-methylphenol	64.0	43.3		ug/L		68	50 - 129
4-Bromophenyl phenyl ether	32.0	24.2		ug/L		75	58 - 120
4-Chloro-3-methylphenol	32.0	27.2		ug/L		85	64 - 128
4-Chloroaniline	32.0	19.7		ug/L		62	35 - 128
4-Chlorophenyl phenyl ether	32.0	20.8		ug/L		65	48 - 116
4-Nitroaniline	32.0	24.1		ug/L		75	35 - 110
4-Nitrophenol	64.0	16.7		ug/L		26	20 - 110
Acenaphthene	32.0	21.3		ug/L		67	46 - 110
Acenaphthylene	32.0	21.8		ug/L		68	47 - 113
Anthracene	32.0	28.0		ug/L		87	67 - 118
Benzo[a]anthracene	32.0	27.7		ug/L		87	70 - 126
Benzo[a]pyrene	32.0	30.6		ug/L		96	70 - 135
Benzo[b]fluoranthene	32.0	29.6		ug/L		92	69 - 136
Benzo[g,h,i]perylene	32.0	32.5		ug/L		101	70 - 135
Benzo[k]fluoranthene	32.0	30.7		ug/L		96	70 - 133
Benzoic acid	64.0	14.4	J	ug/L		23	10 - 112
Benzyl alcohol	32.0	21.0		ug/L		66	46 - 132
Bis(2-chloroethoxy)methane	32.0	27.0		ug/L		84	59 - 118
Bis(2-chloroethyl)ether	32.0	34.2		ug/L		107	54 - 112
Bis(2-ethylhexyl) phthalate	32.0	34.8		ug/L		109	69 - 136
Butyl benzyl phthalate	32.0	33.2		ug/L		104	68 - 135
Carbazole	32.0	30.5		ug/L		95	61 - 145
Chrysene	32.0	28.3		ug/L		88	68 - 129
Dibenz(a,h)anthracene	32.0	34.0		ug/L		106	70 - 134
Dibenzofuran	32.0	22.1		ug/L		69	51 - 110
Diethyl phthalate	32.0	28.7		ug/L		90	62 - 123

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-717761/2-A
Matrix: Water
Analysis Batch: 717703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717761

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dimethyl phthalate			32.0	25.0		ug/L		78	63 - 122		
Di-n-butyl phthalate			32.0	30.9		ug/L		96	69 - 129		
Di-n-octyl phthalate			32.0	33.7		ug/L		105	68 - 137		
Fluoranthene			32.0	27.3		ug/L		85	68 - 126		
Fluorene			32.0	23.7		ug/L		74	53 - 120		
Hexachlorobenzene			32.0	24.6		ug/L		77	61 - 126		
Hexachlorobutadiene			32.0	15.2		ug/L		48	20 - 100		
Hexachlorocyclopentadiene			32.0	6.72	J	ug/L		21	10 - 105		
Hexachloroethane			32.0	18.1		ug/L		56	20 - 100		
Indeno[1,2,3-cd]pyrene			32.0	33.8		ug/L		106	65 - 133		
Isophorone			32.0	25.2		ug/L		79	54 - 127		
Naphthalene			32.0	18.0		ug/L		56	36 - 110		
Nitrobenzene			32.0	26.7		ug/L		83	54 - 121		
N-Nitrosodi-n-propylamine			32.0	29.1		ug/L		91	47 - 131		
N-Nitrosodiphenylamine			32.0	28.0		ug/L		88	66 - 120		
Pentachlorophenol			64.0	27.4		ug/L		43	42 - 148		
Phenanthrene			32.0	27.1		ug/L		85	65 - 120		
Phenol			32.0	14.8		ug/L		46	33 - 100		
Pyrene			32.0	29.3		ug/L		92	70 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*66*		*27 - 110*
Phenol-d5 (Surr)	*47*		*20 - 110*
Nitrobenzene-d5 (Surr)	*77*		*36 - 120*
2-Fluorobiphenyl	*70*		*34 - 110*
2,4,6-Tribromophenol (Surr)	*78*		*40 - 145*
Terphenyl-d14 (Surr)	*88*		*40 - 145*

Lab Sample ID: LCSD 500-717761/3-A
Matrix: Water
Analysis Batch: 717703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 717761

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			32.0	15.5		ug/L		48	26 - 110	2	20
1,2-Dichlorobenzene			32.0	16.8		ug/L		52	26 - 110	0	20
1,3-Dichlorobenzene			32.0	16.6		ug/L		52	22 - 110	1	20
1,4-Dichlorobenzene			32.0	17.0		ug/L		53	23 - 110	1	20
1-Methylnaphthalene			32.0	17.9		ug/L		56	38 - 110	3	20
2,2'-oxybis[1-chloropropane]			32.0	23.2		ug/L		72	38 - 140	1	20
2,4,5-Trichlorophenol			32.0	21.7		ug/L		68	63 - 124	7	20
2,4,6-Trichlorophenol			32.0	22.2		ug/L		69	62 - 121	1	20
2,4-Dichlorophenol			32.0	22.2		ug/L		69	58 - 120	3	20
2,4-Dimethylphenol			32.0	22.7		ug/L		71	51 - 115	1	20
2,4-Dinitrophenol			64.0	26.1		ug/L		41	37 - 130	2	20
2,4-Dinitrotoluene			32.0	26.7		ug/L		83	63 - 129	2	20
2,6-Dinitrotoluene			32.0	25.5		ug/L		80	63 - 129	0	20
2-Chloronaphthalene			32.0	18.7		ug/L		59	39 - 110	1	20
2-Chlorophenol			32.0	23.9		ug/L		75	59 - 110	0	20

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-717761/3-A
Matrix: Water
Analysis Batch: 717703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 717761

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene			32.0	26.4		ug/L		83	34 - 110	1	20
2-Methylphenol			32.0	22.2		ug/L		69	53 - 115	4	20
2-Nitroaniline			32.0	31.2		ug/L		97	59 - 138	2	20
2-Nitrophenol			32.0	22.8		ug/L		71	59 - 115	2	20
3 & 4 Methylphenol			32.0	21.6		ug/L		68	50 - 116	1	20
3,3'-Dichlorobenzidine			32.0	26.7		ug/L		84	60 - 132	1	20
3-Nitroaniline			32.0	19.7		ug/L		62	47 - 123	1	20
4,6-Dinitro-2-methylphenol			64.0	42.4		ug/L		66	50 - 129	2	20
4-Bromophenyl phenyl ether			32.0	22.9		ug/L		72	58 - 120	5	20
4-Chloro-3-methylphenol			32.0	26.9		ug/L		84	64 - 128	1	20
4-Chloroaniline			32.0	19.4		ug/L		61	35 - 128	2	20
4-Chlorophenyl phenyl ether			32.0	20.3		ug/L		63	48 - 116	3	20
4-Nitroaniline			32.0	24.5		ug/L		77	35 - 110	2	20
4-Nitrophenol			64.0	18.1		ug/L		28	20 - 110	8	20
Acenaphthene			32.0	20.8		ug/L		65	46 - 110	2	20
Acenaphthylene			32.0	20.7		ug/L		65	47 - 113	5	20
Anthracene			32.0	27.9		ug/L		87	67 - 118	0	20
Benzo[a]anthracene			32.0	28.1		ug/L		88	70 - 126	1	20
Benzo[a]pyrene			32.0	31.1		ug/L		97	70 - 135	2	20
Benzo[b]fluoranthene			32.0	30.3		ug/L		95	69 - 136	2	20
Benzo[g,h,i]perylene			32.0	33.5		ug/L		105	70 - 135	3	20
Benzo[k]fluoranthene			32.0	31.3		ug/L		98	70 - 133	2	20
Benzoic acid			64.0	14.5	J	ug/L		23	10 - 112	1	20
Benzyl alcohol			32.0	20.4		ug/L		64	46 - 132	3	20
Bis(2-chloroethoxy)methane			32.0	26.4		ug/L		83	59 - 118	2	20
Bis(2-chloroethyl)ether			32.0	33.2		ug/L		104	54 - 112	3	20
Bis(2-ethylhexyl) phthalate			32.0	35.6		ug/L		111	69 - 136	2	20
Butyl benzyl phthalate			32.0	33.9		ug/L		106	68 - 135	2	20
Carbazole			32.0	29.7		ug/L		93	61 - 145	3	20
Chrysene			32.0	28.9		ug/L		90	68 - 129	2	20
Dibenz(a,h)anthracene			32.0	35.3		ug/L		110	70 - 134	4	20
Dibenzofuran			32.0	21.1		ug/L		66	51 - 110	5	20
Diethyl phthalate			32.0	29.2		ug/L		91	62 - 123	2	20
Dimethyl phthalate			32.0	25.3		ug/L		79	63 - 122	1	20
Di-n-butyl phthalate			32.0	31.1		ug/L		97	69 - 129	1	20
Di-n-octyl phthalate			32.0	33.9		ug/L		106	68 - 137	1	20
Fluoranthene			32.0	27.6		ug/L		86	68 - 126	1	20
Fluorene			32.0	22.7		ug/L		71	53 - 120	4	20
Hexachlorobenzene			32.0	24.4		ug/L		76	61 - 126	1	20
Hexachlorobutadiene			32.0	14.9		ug/L		47	20 - 100	2	20
Hexachlorocyclopentadiene			32.0	6.26	J	ug/L		20	10 - 105	7	20
Hexachloroethane			32.0	17.7		ug/L		55	20 - 100	2	20
Indeno[1,2,3-cd]pyrene			32.0	34.9		ug/L		109	65 - 133	3	20
Isophorone			32.0	24.2		ug/L		75	54 - 127	4	20
Naphthalene			32.0	17.8		ug/L		56	36 - 110	1	20
Nitrobenzene			32.0	26.1		ug/L		82	54 - 121	2	20
N-Nitrosodi-n-propylamine			32.0	28.3		ug/L		89	47 - 131	3	20
N-Nitrosodiphenylamine			32.0	27.6		ug/L		86	66 - 120	1	20
Pentachlorophenol			64.0	28.6		ug/L		45	42 - 148	4	20

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-717761/3-A
Matrix: Water
Analysis Batch: 717703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 717761

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			32.0	27.0		ug/L		84	65 - 120	0	20
Phenol			32.0	13.9		ug/L		43	33 - 100	6	20
Pyrene			32.0	30.3		ug/L		95	70 - 126	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*59*		*27 - 110*
Phenol-d5 (Surr)	*45*		*20 - 110*
Nitrobenzene-d5 (Surr)	*73*		*36 - 120*
2-Fluorobiphenyl	*66*		*34 - 110*
2,4,6-Tribromophenol (Surr)	*77*		*40 - 145*
Terphenyl-d14 (Surr)	*88*		*40 - 145*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-717767/1-A
Matrix: Water
Analysis Batch: 718270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717767

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0037		0.010	0.0037	mg/L		06/09/23 08:51	06/12/23 18:26	1
Cadmium	<0.00043		0.0020	0.00043	mg/L		06/09/23 08:51	06/12/23 18:26	1
Chromium	<0.0017		0.010	0.0017	mg/L		06/09/23 08:51	06/12/23 18:26	1
Copper	0.00188	J	0.010	0.0018	mg/L		06/09/23 08:51	06/12/23 18:26	1
Iron	<0.082		0.20	0.082	mg/L		06/09/23 08:51	06/12/23 18:26	1
Lead	<0.0027		0.0050	0.0027	mg/L		06/09/23 08:51	06/12/23 18:26	1
Manganese	<0.0023		0.010	0.0023	mg/L		06/09/23 08:51	06/12/23 18:26	1
Molybdenum	<0.0038		0.010	0.0038	mg/L		06/09/23 08:51	06/12/23 18:26	1
Nickel	<0.0019		0.010	0.0019	mg/L		06/09/23 08:51	06/12/23 18:26	1
Selenium	<0.0053		0.010	0.0053	mg/L		06/09/23 08:51	06/12/23 18:26	1
Silver	<0.0015		0.0050	0.0015	mg/L		06/09/23 08:51	06/12/23 18:26	1
Zinc	<0.0050		0.020	0.0050	mg/L		06/09/23 08:51	06/12/23 18:26	1

Lab Sample ID: LCS 500-717767/2-A
Matrix: Water
Analysis Batch: 718270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717767

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			0.100	0.101		mg/L		101	80 - 120
Cadmium			0.0500	0.0490		mg/L		98	80 - 120
Chromium			0.200	0.195		mg/L		97	80 - 120
Copper			0.250	0.263		mg/L		105	80 - 120
Iron			1.00	1.18		mg/L		118	80 - 120
Lead			0.100	0.0966		mg/L		97	80 - 120
Manganese			0.500	0.478		mg/L		96	80 - 120
Molybdenum			1.00	1.03		mg/L		103	80 - 120
Nickel			0.500	0.499		mg/L		100	80 - 120
Selenium			0.100	0.0868		mg/L		87	80 - 120
Silver			0.0500	0.0497		mg/L		99	80 - 120
Zinc			0.500	0.476		mg/L		95	80 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: 500-234942-1 MS
Matrix: Water
Analysis Batch: 718270

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 717767

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<0.0037		0.100	0.0985		mg/L		98	75 - 125
Cadmium	<0.00043		0.0500	0.0488		mg/L		98	75 - 125
Chromium	<0.0017		0.200	0.190		mg/L		95	75 - 125
Copper	0.0038	J B	0.250	0.262		mg/L		103	75 - 125
Iron	<0.082		1.00	1.07		mg/L		107	75 - 125
Lead	<0.0027		0.100	0.0944		mg/L		94	75 - 125
Manganese	<0.0023		0.500	0.462		mg/L		92	75 - 125
Molybdenum	<0.0038		1.00	1.01		mg/L		101	75 - 125
Nickel	<0.0019		0.500	0.487		mg/L		97	75 - 125
Selenium	<0.0053		0.100	0.0753		mg/L		75	75 - 125
Silver	<0.0015		0.0500	0.0478		mg/L		96	75 - 125
Zinc	0.015	J	0.500	0.483		mg/L		94	75 - 125

Lab Sample ID: 500-234942-1 MSD
Matrix: Water
Analysis Batch: 718270

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 717767

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.0037		0.100	0.101		mg/L		101	75 - 125	3	20
Cadmium	<0.00043		0.0500	0.0491		mg/L		98	75 - 125	1	20
Chromium	<0.0017		0.200	0.190		mg/L		95	75 - 125	0	20
Copper	0.0038	J B	0.250	0.262		mg/L		103	75 - 125	0	20
Iron	<0.082		1.00	1.02		mg/L		102	75 - 125	5	20
Lead	<0.0027		0.100	0.0936		mg/L		94	75 - 125	1	20
Manganese	<0.0023		0.500	0.464		mg/L		93	75 - 125	0	20
Molybdenum	<0.0038		1.00	1.01		mg/L		101	75 - 125	1	20
Nickel	<0.0019		0.500	0.491		mg/L		98	75 - 125	1	20
Selenium	<0.0053		0.100	0.0804		mg/L		80	75 - 125	7	20
Silver	<0.0015		0.0500	0.0480		mg/L		96	75 - 125	0	20
Zinc	0.015	J	0.500	0.485		mg/L		94	75 - 125	0	20

Lab Sample ID: 500-234942-1 DU
Matrix: Water
Analysis Batch: 718270

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 717767

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.0037		<0.0037		mg/L		NC	20
Cadmium	<0.00043		0.000777	J	mg/L		NC	20
Chromium	<0.0017		<0.0017		mg/L		NC	20
Copper	0.0038	J B	0.00375	J	mg/L		1	20
Iron	<0.082		<0.082		mg/L		NC	20
Lead	<0.0027		<0.0027		mg/L		NC	20
Manganese	<0.0023		<0.0023		mg/L		NC	20
Molybdenum	<0.0038		<0.0038		mg/L		NC	20
Nickel	<0.0019		<0.0019		mg/L		NC	20
Selenium	<0.0053		<0.0053		mg/L		NC	20
Silver	<0.0015		<0.0015		mg/L		NC	20
Zinc	0.015	J	0.0145	J	mg/L		2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-719767/12-A
Matrix: Water
Analysis Batch: 719995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719767

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000079		0.00020	0.000079	mg/L		06/21/23 11:55	06/22/23 08:06	1

Lab Sample ID: LCS 500-719767/13-A
Matrix: Water
Analysis Batch: 719995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00198	0.00190		mg/L		96	80 - 120

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 500-717997/1-A
Matrix: Water
Analysis Batch: 718092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717997

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		06/12/23 08:00	06/12/23 11:13	1

Lab Sample ID: LCS 500-717997/2-A
Matrix: Water
Analysis Batch: 718092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717997

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.104		mg/L		104	90 - 110

Method: 4500 NH3 G - 4500NH3 G - Nitrogen, Total Kjeldahl'

Lab Sample ID: MB 500-718731/1-A
Matrix: Water
Analysis Batch: 719052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 718731

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	0.336	J	0.40	0.23	mg/L		06/15/23 09:40	06/16/23 11:00	1

Lab Sample ID: LCS 500-718731/2-A
Matrix: Water
Analysis Batch: 719052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 718731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	2.00	2.05		mg/L		103	80 - 120

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 500-717897/3
Matrix: Water
Analysis Batch: 717897

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			06/08/23 16:20	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 500-717897/4
Matrix: Water
Analysis Batch: 717897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	102.3		mg/L		102	90 - 110

Lab Sample ID: 500-234942-12 DU
Matrix: Water
Analysis Batch: 717897

Client Sample ID: MW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	217		218.3		mg/L		0.4	20

Lab Sample ID: MB 500-718329/3
Matrix: Water
Analysis Batch: 718329

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<3.7		5.0	3.7	mg/L			06/13/23 08:36	1

Lab Sample ID: LCS 500-718329/4
Matrix: Water
Analysis Batch: 718329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	95.42		mg/L		95	90 - 110

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-717902/1
Matrix: Water
Analysis Batch: 717902

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			06/10/23 08:52	1

Lab Sample ID: LCS 500-717902/2
Matrix: Water
Analysis Batch: 717902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	200	200.6		mg/L		100	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-718085/16
Matrix: Water
Analysis Batch: 718085

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		2.0	1.0	mg/L			06/12/23 11:50	1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 500-718085/17
Matrix: Water
Analysis Batch: 718085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	19.59		mg/L		98	85 - 115		

Lab Sample ID: MB 500-718760/16
Matrix: Water
Analysis Batch: 718760

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		2.0	1.0	mg/L			06/14/23 10:03	1

Lab Sample ID: MB 500-718760/58
Matrix: Water
Analysis Batch: 718760

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		2.0	1.0	mg/L			06/14/23 11:16	1

Lab Sample ID: LCS 500-718760/17
Matrix: Water
Analysis Batch: 718760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	19.54		mg/L		98	85 - 115		

Lab Sample ID: LCS 500-718760/59
Matrix: Water
Analysis Batch: 718760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			20.0	20.08		mg/L		100	85 - 115		

Lab Sample ID: 500-234942-16 MS
Matrix: Water
Analysis Batch: 718760

Client Sample ID: MW-17A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	26.5		20.0	44.17		mg/L		88	75 - 125		

Lab Sample ID: 500-234942-16 MSD
Matrix: Water
Analysis Batch: 718760

Client Sample ID: MW-17A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26.5		20.0	44.26		mg/L		89	75 - 125	0	20

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 500-718999/1-A
Matrix: Water
Analysis Batch: 719122

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 718999

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		06/16/23 10:18	06/17/23 12:16	1

Lab Sample ID: LCS 500-718999/2-A
Matrix: Water
Analysis Batch: 719122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 718999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus as P	0.500	0.533		mg/L		107	88 - 123

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 500-718340/1
Matrix: Water
Analysis Batch: 718340

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			06/08/23 14:31	1

Lab Sample ID: LCS 500-718340/4
Matrix: Water
Analysis Batch: 718340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	165.9	*	mg/L		84	84.6 - 115.4

Lab Sample ID: LCS 500-718340/5
Matrix: Water
Analysis Batch: 718340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	169.4		mg/L		86	84.6 - 115.4

Lab Sample ID: LCS 500-718340/6
Matrix: Water
Analysis Batch: 718340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	169.4		mg/L		86	84.6 - 115.4

Method: SM 5220C - COD

Lab Sample ID: MB 500-717759/1-A
Matrix: Water
Analysis Batch: 717765

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717759

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<6.0		10.0	6.0	mg/L		06/09/23 08:20	06/09/23 12:55	1

Method: SM 5220C - COD (Continued)

Lab Sample ID: LCS 500-717759/2-A
Matrix: Water
Analysis Batch: 717765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717759

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand			50.0	45.20		mg/L		90	85 - 115		

Lab Sample ID: MB 500-717899/1-A
Matrix: Water
Analysis Batch: 717900

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 717899

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<6.0		10.0	6.0	mg/L		06/10/23 07:57	06/10/23 10:55	1

Lab Sample ID: LCS 500-717899/2-A
Matrix: Water
Analysis Batch: 717900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 717899

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand			50.0	54.09		mg/L		108	85 - 115		

Lab Sample ID: 500-234942-9 MS
Matrix: Water
Analysis Batch: 717900

Client Sample ID: MW-15C
Prep Type: Total/NA
Prep Batch: 717899

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand	9.9	J	50.0	58.56		mg/L		97	75 - 125		

Lab Sample ID: 500-234942-9 MSD
Matrix: Water
Analysis Batch: 717900

Client Sample ID: MW-15C
Prep Type: Total/NA
Prep Batch: 717899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	9.9	J	50.0	54.59		mg/L		89	75 - 125	7	20

Lab Sample ID: MB 500-718240/1-A
Matrix: Water
Analysis Batch: 718310

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 718240

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<60.4		100	60.4	mg/L		06/13/23 11:45	06/13/23 14:20	10

Lab Sample ID: LCS 500-718240/2-A
Matrix: Water
Analysis Batch: 718310

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 718240

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand			500	472.1		mg/L		94	85 - 115		

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-4
Date Collected: 06/06/23 13:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 14:07
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 18:32
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718085	LP	EET CHI	06/12/23 11:54
Total/NA	Prep	SM 5220			717759	MB	EET CHI	06/09/23 08:20 - 06/09/23 10:20 [1]
Total/NA	Analysis	SM 5220C		1	717765	MB	EET CHI	06/09/23 12:58
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/06/23 13:30

Client Sample ID: MW-6
Date Collected: 06/06/23 10:50
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 14:31
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 18:55
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:04
Total/NA	Prep	SM 5220			717759	MB	EET CHI	06/09/23 08:20 - 06/09/23 10:20 [1]
Total/NA	Analysis	SM 5220C		1	717765	MB	EET CHI	06/09/23 12:59
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/06/23 10:50

Client Sample ID: MW-7
Date Collected: 06/06/23 13:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 14:55
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 18:58
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:04
Total/NA	Prep	SM 5220			717759	MB	EET CHI	06/09/23 08:20 - 06/09/23 10:20 [1]
Total/NA	Analysis	SM 5220C		1	717765	MB	EET CHI	06/09/23 13:00
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/06/23 13:00

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-8

Date Collected: 06/06/23 12:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 15:19
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:01
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:05
Total/NA	Prep	SM 5220			717759	MB	EET CHI	06/09/23 08:20 - 06/09/23 10:20 [1]
Total/NA	Analysis	SM 5220C		1	717765	MB	EET CHI	06/09/23 13:01
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/06/23 12:30

Client Sample ID: MW-9

Date Collected: 06/06/23 10:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 15:43
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:04
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:05
Total/NA	Prep	SM 5220			717759	MB	EET CHI	06/09/23 08:20 - 06/09/23 10:20 [1]
Total/NA	Analysis	SM 5220C		1	717765	MB	EET CHI	06/09/23 13:01
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/06/23 10:00

Client Sample ID: MW-10

Date Collected: 06/06/23 10:10
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 16:08
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:07
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:05
Total/NA	Prep	SM 5220			717759	MB	EET CHI	06/09/23 08:20 - 06/09/23 10:20 [1]
Total/NA	Analysis	SM 5220C		1	717765	MB	EET CHI	06/09/23 13:02
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/06/23 10:10

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-15A
Date Collected: 06/06/23 14:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 16:32
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:10
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:06
Total/NA	Prep	SM 5220			717759	MB	EET CHI	06/09/23 08:20 - 06/09/23 10:20 [1]
Total/NA	Analysis	SM 5220C		1	717765	MB	EET CHI	06/09/23 13:03
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/06/23 14:30

Client Sample ID: MW-15B
Date Collected: 06/06/23 14:45
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 16:56
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:14
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:06
Total/NA	Prep	SM 5220			717759	MB	EET CHI	06/09/23 08:20 - 06/09/23 10:20 [1]
Total/NA	Analysis	SM 5220C		1	717765	MB	EET CHI	06/09/23 13:04
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/06/23 14:45

Client Sample ID: MW-15C
Date Collected: 06/06/23 15:10
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 17:20
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:17
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:06
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 10:56
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/06/23 15:10

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-11
Date Collected: 06/07/23 12:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 17:44
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:20
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		2	718760	MM	EET CHI	06/14/23 10:06
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 10:59
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 12:00

Client Sample ID: MW-12
Date Collected: 06/07/23 14:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 18:08
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:30
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:06
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 11:00
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 14:00

Client Sample ID: MW-13
Date Collected: 06/07/23 11:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 18:32
Total/NA	Prep	3510C			717761	DAK	EET CHI	06/09/23 08:33
Total/NA	Analysis	8270E		1	717703	SS	EET CHI	06/09/23 18:12
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:33
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	717897	EH	EET CHI	06/08/23 16:20
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:06
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 11:01
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 11:20

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-14
Date Collected: 06/07/23 10:50
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 18:56
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:36
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	718329	EH	EET CHI	06/13/23 08:36
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:07
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 11:01
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 10:50

Client Sample ID: MW-16
Date Collected: 06/07/23 10:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 19:20
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:39
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	718329	EH	EET CHI	06/13/23 08:36
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:07
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 11:02
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 10:20

Client Sample ID: MW-16B
Date Collected: 06/07/23 10:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 19:44
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:42
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	718329	EH	EET CHI	06/13/23 08:36
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:07
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 11:03
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 10:00

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-17A
Date Collected: 06/07/23 08:40
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 20:08
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:45
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	718329	EH	EET CHI	06/13/23 08:36
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 10:07
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 11:04
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 08:40

Client Sample ID: MW-17B
Date Collected: 06/07/23 09:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 20:32
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:49
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	718329	EH	EET CHI	06/13/23 08:36
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 11:16
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 11:05
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 09:00

Client Sample ID: MW-18A
Date Collected: 06/07/23 09:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718468	W1T	EET CHI	06/14/23 20:56
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:52
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	718329	EH	EET CHI	06/13/23 08:36
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 11:17
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 11:06
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 09:20

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: MW-18B

Date Collected: 06/07/23 09:40
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718868	EA	EET CHI	06/16/23 02:19
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:55
Dissolved	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Dissolved	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Analysis	SM 2320B		1	718329	EH	EET CHI	06/13/23 08:36
Total/NA	Analysis	SM 4500 Cl- E		1	718760	MM	EET CHI	06/14/23 11:17
Total/NA	Prep	SM 5220			717899	MB	EET CHI	06/10/23 07:57 - 06/10/23 09:57 [1]
Total/NA	Analysis	SM 5220C		1	717900	MB	EET CHI	06/10/23 11:07
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 09:40

Client Sample ID: Leachate

Date Collected: 06/07/23 15:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718868	EA	EET CHI	06/16/23 02:41
Total/NA	Prep	3510C			717761	DAK	EET CHI	06/09/23 08:33
Total/NA	Analysis	8270E		1	717703	SS	EET CHI	06/09/23 18:36
Total/NA	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Total/NA	Analysis	6010B		1	718270	CMS	EET CHI	06/12/23 19:58
Total/NA	Prep	7470A			719767	MJG	EET CHI	06/21/23 11:55 - 06/21/23 13:55 [1]
Total/NA	Analysis	7470A		1	719995	MJG	EET CHI	06/22/23 08:12
Total/NA	Prep	3010A			717767	BDE	EET CHI	06/09/23 08:51 - 06/09/23 09:21 [1]
Total/NA	Analysis	SM 2340B		1	718280	DAJ	EET CHI	06/13/23 10:14
Total/NA	Prep	Distill/CN			717997	LP	EET CHI	06/12/23 08:20 - 06/12/23 08:21 [1]
Total/NA	Analysis	335.4		1	718092	LP	EET CHI	06/12/23 12:04
Total/NA	Prep	SM4500Norg_C			718731	KF	EET CHI	06/15/23 09:40
Total/NA	Analysis	4500 NH3 G		50	719052	KF	EET CHI	06/16/23 11:27
Total/NA	Analysis	SM 2320B		1	718329	EH	EET CHI	06/13/23 08:36
Total/NA	Analysis	SM 2540D		1	717902	MB	EET CHI	06/10/23 09:20 - 06/10/23 09:23 [1]
Total/NA	Analysis	SM 4500 Cl- E		10	718760	MM	EET CHI	06/14/23 11:17
Total/NA	Prep	SM 4500 P B			718999	MC	EET CHI	06/16/23 10:18 - 06/16/23 13:48 [1]
Total/NA	Analysis	SM 4500 P E		1	719122	MC	EET CHI	06/17/23 13:05
Total/NA	Analysis	SM 5210B		1	718340	JC	EET CHI	06/08/23 14:56
Total/NA	Prep	SM 5220			718240	MB	EET CHI	06/13/23 12:13 - 06/13/23 12:19 [1]
Total/NA	Analysis	SM 5220C		10	718310	MB	EET CHI	06/13/23 14:24
Total/NA	Analysis	Field Sampling		1	721721	JMH	EET CHI	06/07/23 15:00

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Client Sample ID: Trip Blank

Date Collected: 06/07/23 00:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234942-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718868	EA	EET CHI	06/16/23 01:56

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Junker Landfill

Job ID: 500-234942-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708 534-5200 Fax 708 534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Renee Sletten	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-113306-30169 1
Client Contact: Mitch Evenson	Phone:	E Mail: Sandra Fredrick@et eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: Cedar Corporation	PWS D:	Analysis Requested		Job #: 500-234942
Address: 604 Wi son Avenue	Due Date Requested:			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I ce, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-, Y Trizma, Z other (specify)
City: Menomonie	TAT Requested (days):			
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not requ red			
Email: mitch evensor@cedarcorp com	WO #:			
Project Name: Junker Landfill	Project #: 50006557			
Site:	SSOW#:			Other:

500-234942 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Alkalinity/Chloride/COD	Total hardness (filtered)	DISS Fe, Mn (filtered)	VOCs	Total Number of containers	Special Instructions/Note
			Preservation Code:									
1 MW-4	6/6/23	1330	G	Water	X		X	X	X	X		
2 MW-6		1050		Water	X							
3 MW-7		1300		Water	X							
4 MW-8		1230		Water	X							
5 MW-9		1000		Water	X							
6 MW-10		1010		Water	X							
7 MW-15A		1430		Water	X							
8 MW-15B		1445		Water	X							
9 MW-15C		1510		Water	X							
				Water								
				Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements: Tracking #. 6248 4233 4296 NITNC bottles field filtered, EDDs

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Renee Sletten	6/6/23 1700	Cedar corp	Received by: Shri Sood	6/8/23 0950	EEDL
Relinquished by:	Date/Time:	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.1 → 2.0, 1.5 → 1.9, 1.0 → 1.4

Ver: 06/08/2021

7/5/2023

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Renee Slotten	Lab PM: Fredrick Sandee	Carrier Tracking No(s):	COC No: 500-113306-30169 2
Client Contact: Mitch Evenson	Phone:	E Mail: Sandra Fredrick@et eurofinsus com	State of Origin:	Page: Page 2 of 3
Company: Cedar Corporation	PWSID:	Analysis Requested		Job #: 500-234942
Address: 604 Wilson Avenue	Due Date Requested:			Preservation Codes: A HCL; B NaOH; C Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H Ascorbic Acid; I Ice; J DI Water; K EDTA; L EDA; M Hexane; N None; O AsNaO2; P Na2O4S; Q Na2SO3; R Na2S2O3; S H2SO4; T TSP Dodecahydrate; U Acetone; V MCAA; W pH 4-5; Y Trizma; Z other (specify); Other
City: Menomonie	TAT Requested (days):			
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: mitch evenson@cedarcorp com	WO #:			
Project Name: Junker Landfill	Project #: 50006557			
Site:	SSOW#:			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Alkalinity/Chloride/COD	Total hardness (filtered)	Diss Fe, Mn (filtered)	VOCs	SVOCs	BOD/TSS/Alk./Chloride	COD/TKN/Phos	Hardness/metals	Cyanide	Total Number of containers	Special Instructions/Note
			Preservation Code:															
10	MW-11	6/7/23	1200	G	Water	X		X	X	X	X							BOD - short hold time
11	MW-12		1400		Water	X												
12	MW-13		1120		Water	X						X						
13	MW-14		1050		Water	X												Nitric acid field filtered
14	MW-16		1020		Water	X												
15	MW-16B		1000		Water	X												
16	MW-17A		0840		Water	X												
17	MW-17B		0900		Water	X												
18	MW-18A		0920		Water	X												
19	MW-18B		0940		Water	X												
20	Leachate		1500		Water							X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements: Please send EDDS

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	6/7/23 1550	CedarCorp	[signature]	6/8/23 0950	EPM
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes No | Custody Seal No | Cooler Temperature(s) and Other Remarks

ORIGIN ID:RRLA (715) 235-9081
ORION REUTZEL
WESTERN WISCONSIN TITLE
815 7TH STREET EAST
MENOMONIE, WI 54751
UNITED STATES US
SHIP DATE: 31MAY23
ACTWGT: 25 00 LB MAN
CAD: 0269688/CAFE3707
TO SAMPLE RECIEPT
EUROFINS CHICAGO
2417 BOND STREET
500-234942 Waybi
UNIVERSITY PARK IL 60484
(708) 534-6200
INV:
PO
REF:
DEPT
RMA
FedEx
Express
FedEx
TRK# 0221 6483 4233 4296
WED - 07 JUN 10:30A
PRIORITY OVERNIGHT
NX JOTA
60484
IL-US ORD

ORIGIN ID:RRLA (715) 235-9081
ORION REUTZEL
WESTERN WISCONSIN TITLE
815 7TH STREET EAST
MENOMONIE, WI 54751
UNITED STATES US
SHIP DATE: 31MAY23
ACTWGT: 25 00 LB MAN
CAD: 0269688/CAFE3707
TO SAMPLE RECIEPT
EUROFINS CHICAGO
2417 BOND STREET
UNIVERSITY PARK IL 60484
(708) 534-6200
INV:
PO
REF
DEPT:
RMA
FedEx
Express
FedEx
TRK# 0221 6483 4233 4285
THU - 08 JUN 10:30A
PRIORITY OVERNIGHT
NX JOTA
60484
IL-US ORD

ORIGIN ID:RRLA (715) 235-9081
ORION REUTZEL
WESTERN WISCONSIN TITLE
815 7TH STREET EAST
MENOMONIE, WI 54751
UNITED STATES US
SHIP DATE: 31MAY23
ACTWGT: 25.00 LB MAN
CAD: 0269688/CAFE3707
TO SAMPLE RECIEPT
EUROFINS CHICAGO
2417 BOND STREET
UNIVERSITY PARK IL 60484
(708) 534-6200
INV
PO.
REF
DEPT
RMA
FedEx
Express
FedEx
TRK# 0221 6483 4233 4274
THU - 08 JUN 10:30A
PRIORITY OVERNIGH
NX JOTA
60484
IL-US ORD
EXP 11/23

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-234942-1

Login Number: 234942
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0,1.9,1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Cedar CORPORATION

Table 1
Groundwater Quality Parameters
Junker's Landfill
Hudson, St. Croix County, Wisconsin
License: #01972

GEW	DNR #	Date	Groundwater Elevation (ft. msl) (04189)	Temperature (°C)	Turbidity (00003)	Color (00002)	Odor (00001)	pH (00400)	Conductivity (us/cm) (00094)	Time
		NR 140 PAL	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*	
		NR 140 ES	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	
3	3	6/6/2023	-	-	-	-	-	-	-	-
4	4	6/6/2023	897.47	20.0	None	None	None	7.1	541	1330
6	6	6/6/2023	897.18	19.6	None	None	None	7.23	624	1050
7	7	6/6/2023	899.17	18.1	Slight	Light tan	None	7.68	429	1300
8	8	6/6/2023	898.02	18.2	None	None	None	7.42	575	1230
9	9	6/6/2023	897.70	16.4	None	None	None	7.65	698	1000
10	10	6/6/2023	897.32	16.2	None	None	None	7.79	472	1010
11	15	6/7/2023	900.91	13.9	None	None	None	7.74	515	1200
12	17	6/7/2023	908.72	18.0	Slight	None	None	7.3	657	1400
13	19	6/7/2023	898.67	13.3	None	None	None	7.75	492	1120
14	21	6/7/2023	897.01	14.4	Slight	Light red	None	8.05	582	1050
15A	23	6/6/2023	850.76	20.5	Moderate	Tan	None	7.96	475	1430
15B	25	6/6/2023	850.86	21.7	None	None	None	7.9	497	1445
15C	27	6/6/2023	851.25	20.8	None	None	None	7.51	518	1510
16	29	6/7/2023	851.34	13.5	None	None	None	7.8	498	1020
16B		6/7/2023	852.34	14.1	None	None	None	7.76	566	1000
17A		6/7/2023	855.31	12.5	Moderate	Brown	None	8.2	538	840
17B		6/7/2023	849.84	11.6	None	None	None	7.98	494	900
18A		6/7/2023	847.62	12.2	None	None	None	7.81	502	920
18B		6/7/2023	847.75	12.4	None	None	None	7.8	546	940
Leachate		6/7/2023	-	17.5	Heavy	Brown	Yes	7.03	1887	1500

Monitoring Well	DNR #	Date	DTL (ft. msl)
LEW-1		5/31/2023	36.02
LHW-1		5/31/2023	30.22
LHW-2		5/31/2023	33.03
LHW-3		5/31/2023	dry
LHW-4		5/31/2023	63.37

GEW	DNR #	Date	DTL (ft. msl)	Valve	System Pressure	CH4 %
1		5/31/2023	67.31	closed	-0.05	0.0
2		5/31/2023	25.64	broken	-10.92	0.0
3		5/31/2023	37.00	open	-7.57	0.0
4		5/31/2023	62.75	broken	-3.60	0.0
5		5/31/2023	43.28	broken	0.05	0.0
6		5/31/2023	47.13	open	0.04	38.0
7		5/31/2023	blocked	closed	0.07	0.0
8		5/31/2023	45.62	closed	0.07	0.6
9		5/31/2023	41.00	open	0.12	71.7
10		5/31/2023	blocked	closed	0.03	0.0
11		5/31/2023	64.67	closed	0.01	0.0
12		5/31/2023	38.78	open	0.01	54.4
13		5/31/2023	32.12	open	-0.05	22.6
14		5/31/2023	66.16	closed	0.01	0.0
15		5/31/2023	21.30	closed	0.02	0.0
17		5/31/2023	43.29	open	-3.10	9.5
18		5/31/2023	39.39	broken	-4.93	0.0
19		5/31/2023	blocked	closed	0.00	0.0
20		5/31/2023	61.99	open	0.02	34.1
21		5/31/2023	60.81	open	-0.10	5.9

Monitoring Well	DNR #	Date	% Methane	Valve
1A		5/31/2023	0.0	closed
1B		5/31/2023	0.0	closed
2A		5/31/2023	0.4	closed
2B		5/31/2023	2.6	closed
3		5/31/2023	0.0	closed

Notes found on last page

Cedar CORPORATION

Table 1 Groundwater Quality Parameters Junker's Landfill Hudson, St. Croix County, Wisconsin License: #01972										
GEW	DNR #	Date	Groundwater Elevation (ft. msl) (04189)	Temperature (°C)	Turbidity (00003)	Color (00002)	Odor (00001)	pH (00400)	Conductivity (us/cm) (00094)	Time
4A		5/31/2023	0.0	closed						
4B		5/31/2023	0.0	closed						
5S		5/31/2023	0.0	closed						
5M		5/31/2023	0.0	closed						
5D		5/31/2023	0.0	closed						
6S		5/31/2023	0.8	closed						
6M		5/31/2023	1.1	closed						
6D		5/31/2023	0.0	closed						
7		5/31/2023	0.0	closed						
8S		5/31/2023	0.2	closed						
8M		5/31/2023	0.0	closed						
8D		5/31/2023	0.0	closed						
9		5/31/2023	0.0	closed						
10		5/31/2023	0.0	closed						
MW-4		5/31/2023	0.0	closed						
MW-7		5/31/2023	0.0	closed						
MW-13		5/31/2023	0.0	closed						

Monitoring Well	DNR #	Date	Baro Press/ Trend	CH4 %	CO2 %	O2 %	Bal. %	System Pressure	Gas Temp (F)
Blower		6/6/2023	28.96/F	16.7	25.3	1.1	56.9	0.4	89.0

NS = No
Established
Standard
Bold = Concentration exceeds NR 140 Enforcement Standard
Italics = Concentration exceeds NR 140 Preventive Action Limit
ug/L = Micrograms per liter
mg/L = Milligrams per liter
NA = Not analyzed
J = Reported value was between the limit of detection and the limit of quantitation.

** = Not exceeded per ch. NR 140.14(3)(c) If the preventive action limit or enforcement standard is between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or enforcement standard to be attained or exceeded if the concentration of a substance is reported at or above the limit of quantitation.

[1] = ES and PAL levels are for 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene combined
[2] = ES and PAL levels are for m, p and o xylenes combined (total xylenes)
[3] = ES and PAL are Public Welfare (ch. NR 140 Table 2) Standards
V = Serial Dilution exceeded the control imits

(Annual) Sample monitoring wells in June (MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15A, MW-15B (BIENNIAL), MW-15C, MW-16, TRIP BLANK(1), DUPLICATES(2))
Alkalinity
Chlorides
COD
Total Hardness (filtered)
Iron, dissolved (filtered)
Manganese, dissolved (filtered)
VOCs
SVOCs on MW-3 or MW-13

Fenced Area at Flare Building in June (Annual)
TSS
BOD (5-day)
COD
Fe, Mn, Cu, Ni, Zn, Mo, total As, Cd, Cr, Pb, Hg, Se, Ag, total Cyanide
Chlorides
Alkalinity
Kjeldahl Nitrogen, total
Phosphorus, total
VOCs (chloroform included)

Notes found on last page

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 7/28/2023 4:26:42 PM

JOB DESCRIPTION

Junker LF Blower

JOB NUMBER

500-237195-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Job ID: 500-237195-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-237195-1

Receipt
The sample was received on 7/26/2023 1:00 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice.

Air - GC/MS VOA
Methods TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by Eurofins TestAmerica Knoxville.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Client Sample ID: BLOWER_20230721 — Lab Sample ID: 500-237195-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzene	110	J	120	19	ppb v/v	261.22		TO-15	Total/NA
Bromodichloromethane	74	J	120	26	ppb v/v	261.22		TO-15	Total/NA
Chloroethane	70	J	460	46	ppb v/v	261.22		TO-15	Total/NA
Chloroform	390		120	21	ppb v/v	261.22		TO-15	Total/NA
cis-1,2-Dichloroethene	21	J	120	15	ppb v/v	261.22		TO-15	Total/NA
Cyclohexane	110	J	290	54	ppb v/v	261.22		TO-15	Total/NA
Dichlorodifluoromethane	90	J	290	20	ppb v/v	261.22		TO-15	Total/NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	19	J	120	17	ppb v/v	261.22		TO-15	Total/NA
Ethylbenzene	4500		120	19	ppb v/v	261.22		TO-15	Total/NA
Hexane	290	J	460	37	ppb v/v	261.22		TO-15	Total/NA
Isopropylbenzene	220	J	460	25	ppb v/v	261.22		TO-15	Total/NA
Methylene Chloride	310	J B	580	200	ppb v/v	261.22		TO-15	Total/NA
m-Xylene & p-Xylene	13000		460	42	ppb v/v	261.22		TO-15	Total/NA
o-Xylene	3400		120	22	ppb v/v	261.22		TO-15	Total/NA
Tetrahydrofuran	1800	J B	2900	100	ppb v/v	261.22		TO-15	Total/NA
Toluene	2100		580	33	ppb v/v	261.22		TO-15	Total/NA
Trichlorofluoromethane	42	J	120	16	ppb v/v	261.22		TO-15	Total/NA
1,2,4-Trimethylbenzene	860		120	29	ppb v/v	261.22		TO-15	Total/NA
1,3,5-Trimethylbenzene	450		230	93	ppb v/v	261.22		TO-15	Total/NA
Vinyl chloride	280		230	38	ppb v/v	261.22		TO-15	Total/NA

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzene	360	J	370	61	ug/m3	261.22		TO-15	Total/NA
Bromodichloromethane	500	J	780	170	ug/m3	261.22		TO-15	Total/NA
Chloroethane	180	J	1200	120	ug/m3	261.22		TO-15	Total/NA
Chloroform	1900		570	100	ug/m3	261.22		TO-15	Total/NA
cis-1,2-Dichloroethene	83	J	460	58	ug/m3	261.22		TO-15	Total/NA
Cyclohexane	390	J	1000	190	ug/m3	261.22		TO-15	Total/NA
Dichlorodifluoromethane	440	J	1400	100	ug/m3	261.22		TO-15	Total/NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	130	J	810	120	ug/m3	261.22		TO-15	Total/NA
Ethylbenzene	19000		500	83	ug/m3	261.22		TO-15	Total/NA
Hexane	1000	J	1600	130	ug/m3	261.22		TO-15	Total/NA
Isopropylbenzene	1100	J	2300	120	ug/m3	261.22		TO-15	Total/NA
Methylene Chloride	1100	J B	2000	690	ug/m3	261.22		TO-15	Total/NA
m-Xylene & p-Xylene	55000		2000	180	ug/m3	261.22		TO-15	Total/NA
o-Xylene	15000		500	96	ug/m3	261.22		TO-15	Total/NA
Tetrahydrofuran	5400	J B	8600	310	ug/m3	261.22		TO-15	Total/NA
Toluene	7800		2200	120	ug/m3	261.22		TO-15	Total/NA
Trichlorofluoromethane	240	J	650	91	ug/m3	261.22		TO-15	Total/NA
1,2,4-Trimethylbenzene	4200		570	140	ug/m3	261.22		TO-15	Total/NA
1,3,5-Trimethylbenzene	2200		1100	460	ug/m3	261.22		TO-15	Total/NA
Vinyl chloride	700		590	96	ug/m3	261.22		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-237195-1	BLOWER_20230721	Air	07/21/23 10:00	07/26/23 13:00	Air Canister (6-Liter) #12250

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Client Sample ID: BLOWER_20230721
Date Collected: 07/21/23 10:00
Date Received: 07/26/23 13:00

Lab Sample ID: 500-237195-1
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<810		4400	810	ppb v/v			07/28/23 02:57	261.22
Benzene	**110**	**J**	120	19	ppb v/v			07/28/23 02:57	261.22
Benzyl chloride	<55		460	55	ppb v/v			07/28/23 02:57	261.22
Bromodichloromethane	**74**	**J**	120	26	ppb v/v			07/28/23 02:57	261.22
Bromoform	<38		120	38	ppb v/v			07/28/23 02:57	261.22
Bromomethane	<32		120	32	ppb v/v			07/28/23 02:57	261.22
2-Butanone (MEK)	<100		580	100	ppb v/v			07/28/23 02:57	261.22
Carbon disulfide	<51		290	51	ppb v/v			07/28/23 02:57	261.22
Carbon tetrachloride	<19		120	19	ppb v/v			07/28/23 02:57	261.22
Chlorobenzene	<33		120	33	ppb v/v			07/28/23 02:57	261.22
Chloroethane	**70**	**J**	460	46	ppb v/v			07/28/23 02:57	261.22
Chloroform	**390**		120	21	ppb v/v			07/28/23 02:57	261.22
Chloromethane	<93		580	93	ppb v/v			07/28/23 02:57	261.22
cis-1,2-Dichloroethene	**21**	**J**	120	15	ppb v/v			07/28/23 02:57	261.22
cis-1,3-Dichloropropene	<28		230	28	ppb v/v			07/28/23 02:57	261.22
Cyclohexane	**110**	**J**	290	54	ppb v/v			07/28/23 02:57	261.22
Dibromochloromethane	<20		120	20	ppb v/v			07/28/23 02:57	261.22
1,2-Dibromoethane (EDB)	<18		120	18	ppb v/v			07/28/23 02:57	261.22
1,2-Dichlorobenzene	<45		230	45	ppb v/v			07/28/23 02:57	261.22
1,3-Dichlorobenzene	<23		120	23	ppb v/v			07/28/23 02:57	261.22
1,4-Dichlorobenzene	<23		120	23	ppb v/v			07/28/23 02:57	261.22
Dichlorodifluoromethane	**90**	**J**	290	20	ppb v/v			07/28/23 02:57	261.22
1,1-Dichloroethane	<16		120	16	ppb v/v			07/28/23 02:57	261.22
1,2-Dichloroethane	<15		120	15	ppb v/v			07/28/23 02:57	261.22
1,1-Dichloroethene	<19		120	19	ppb v/v			07/28/23 02:57	261.22
1,2-Dichloropropane	<15		120	15	ppb v/v			07/28/23 02:57	261.22
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**19**	**J**	120	17	ppb v/v			07/28/23 02:57	261.22
1,4-Dioxane	<44		2900	44	ppb v/v			07/28/23 02:57	261.22
Ethylbenzene	**4500**		120	19	ppb v/v			07/28/23 02:57	261.22
Hexachlorobutadiene	<46		580	46	ppb v/v			07/28/23 02:57	261.22
Hexane	**290**	**J**	460	37	ppb v/v			07/28/23 02:57	261.22
Isopropyl alcohol	<140		2900	140	ppb v/v			07/28/23 02:57	261.22
Isopropylbenzene	**220**	**J**	460	25	ppb v/v			07/28/23 02:57	261.22
Methylene Chloride	**310**	**J B**	580	200	ppb v/v			07/28/23 02:57	261.22
4-Methyl-2-pentanone (MIBK)	<81		580	81	ppb v/v			07/28/23 02:57	261.22
Methyl tert-butyl ether	<75		580	75	ppb v/v			07/28/23 02:57	261.22
m-Xylene & p-Xylene	**13000**		460	42	ppb v/v			07/28/23 02:57	261.22
Naphthalene	<58		290	58	ppb v/v			07/28/23 02:57	261.22
o-Xylene	**3400**		120	22	ppb v/v			07/28/23 02:57	261.22
Styrene	<35		120	35	ppb v/v			07/28/23 02:57	261.22
1,1,2,2-Tetrachloroethane	<20		120	20	ppb v/v			07/28/23 02:57	261.22
Tetrachloroethene	<17		120	17	ppb v/v			07/28/23 02:57	261.22
Tetrahydrofuran	**1800**	**J B**	2900	100	ppb v/v			07/28/23 02:57	261.22
Toluene	**2100**		580	33	ppb v/v			07/28/23 02:57	261.22
trans-1,2-Dichloroethene	<19		120	19	ppb v/v			07/28/23 02:57	261.22
trans-1,3-Dichloropropene	<28		120	28	ppb v/v			07/28/23 02:57	261.22
1,2,4-Trichlorobenzene	<52		1200	52	ppb v/v			07/28/23 02:57	261.22
1,1,1-Trichloroethane	<42		120	42	ppb v/v			07/28/23 02:57	261.22
1,1,2-Trichloroethane	<22		120	22	ppb v/v			07/28/23 02:57	261.22

Client Sample ID: BLOWER_20230721
Date Collected: 07/21/23 10:00
Date Received: 07/26/23 13:00

Lab Sample ID: 500-237195-1
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<19		120	19	ppb v/v			07/28/23 02:57	261.22
Trichlorofluoromethane	**42**	**J**	120	16	ppb v/v			07/28/23 02:57	261.22
1,1,2-Trichloro-1,2,2-trifluoroethane	<14		120	14	ppb v/v			07/28/23 02:57	261.22
1,2,4-Trimethylbenzene	**860**		120	29	ppb v/v			07/28/23 02:57	261.22
1,3,5-Trimethylbenzene	**450**		230	93	ppb v/v			07/28/23 02:57	261.22
Vinyl acetate	<41		2900	41	ppb v/v			07/28/23 02:57	261.22
Vinyl bromide	<29		120	29	ppb v/v			07/28/23 02:57	261.22
Vinyl chloride	**280**		230	38	ppb v/v			07/28/23 02:57	261.22

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1900		10000	1900	ug/m3			07/28/23 02:57	261.22
Benzene	**360**	**J**	370	61	ug/m3			07/28/23 02:57	261.22
Benzyl chloride	<290		2400	290	ug/m3			07/28/23 02:57	261.22
Bromodichloromethane	**500**	**J**	780	170	ug/m3			07/28/23 02:57	261.22
Bromoform	<400		1200	400	ug/m3			07/28/23 02:57	261.22
Bromomethane	<120		450	120	ug/m3			07/28/23 02:57	261.22
2-Butanone (MEK)	<310		1700	310	ug/m3			07/28/23 02:57	261.22
Carbon disulfide	<160		900	160	ug/m3			07/28/23 02:57	261.22
Carbon tetrachloride	<120		730	120	ug/m3			07/28/23 02:57	261.22
Chlorobenzene	<150		530	150	ug/m3			07/28/23 02:57	261.22
Chloroethane	**180**	**J**	1200	120	ug/m3			07/28/23 02:57	261.22
Chloroform	**1900**		570	100	ug/m3			07/28/23 02:57	261.22
Chloromethane	<190		1200	190	ug/m3			07/28/23 02:57	261.22
cis-1,2-Dichloroethene	**83**	**J**	460	58	ug/m3			07/28/23 02:57	261.22
cis-1,3-Dichloropropene	<130		1100	130	ug/m3			07/28/23 02:57	261.22
Cyclohexane	**390**	**J**	1000	190	ug/m3			07/28/23 02:57	261.22
Dibromochloromethane	<170		990	170	ug/m3			07/28/23 02:57	261.22
1,2-Dibromoethane (EDB)	<140		890	140	ug/m3			07/28/23 02:57	261.22
1,2-Dichlorobenzene	<270		1400	270	ug/m3			07/28/23 02:57	261.22
1,3-Dichlorobenzene	<140		700	140	ug/m3			07/28/23 02:57	261.22
1,4-Dichlorobenzene	<140		700	140	ug/m3			07/28/23 02:57	261.22
Dichlorodifluoromethane	**440**	**J**	1400	100	ug/m3			07/28/23 02:57	261.22
1,1-Dichloroethane	<63		470	63	ug/m3			07/28/23 02:57	261.22
1,2-Dichloroethane	<59		470	59	ug/m3			07/28/23 02:57	261.22
1,1-Dichloroethene	<74		460	74	ug/m3			07/28/23 02:57	261.22
1,2-Dichloropropane	<67		540	67	ug/m3			07/28/23 02:57	261.22
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**130**	**J**	810	120	ug/m3			07/28/23 02:57	261.22
1,4-Dioxane	<160		10000	160	ug/m3			07/28/23 02:57	261.22
Ethylbenzene	**19000**		500	83	ug/m3			07/28/23 02:57	261.22
Hexachlorobutadiene	<500		6200	500	ug/m3			07/28/23 02:57	261.22
Hexane	**1000**	**J**	1600	130	ug/m3			07/28/23 02:57	261.22
Isopropyl alcohol	<340		7100	340	ug/m3			07/28/23 02:57	261.22
Isopropylbenzene	**1100**	**J**	2300	120	ug/m3			07/28/23 02:57	261.22
Methylene Chloride	**1100**	**J B**	2000	690	ug/m3			07/28/23 02:57	261.22
4-Methyl-2-pentanone (MIBK)	<330		2400	330	ug/m3			07/28/23 02:57	261.22
Methyl tert-butyl ether	<270		2100	270	ug/m3			07/28/23 02:57	261.22
m-Xylene & p-Xylene	**55000**		2000	180	ug/m3			07/28/23 02:57	261.22
Naphthalene	<300		1500	300	ug/m3			07/28/23 02:57	261.22
o-Xylene	**15000**		500	96	ug/m3			07/28/23 02:57	261.22

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Client Sample ID: BLOWER_20230721
Date Collected: 07/21/23 10:00
Date Received: 07/26/23 13:00

Lab Sample ID: 500-237195-1
Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<150		490	150	ug/m3			07/28/23 02:57	261.22
1,1,2,2-Tetrachloroethane	<140		800	140	ug/m3			07/28/23 02:57	261.22
Tetrachloroethene	<110		790	110	ug/m3			07/28/23 02:57	261.22
Tetrahydrofuran	**5400**	**J B**	8600	310	ug/m3			07/28/23 02:57	261.22
Toluene	**7800**		2200	120	ug/m3			07/28/23 02:57	261.22
trans-1,2-Dichloroethene	<76		460	76	ug/m3			07/28/23 02:57	261.22
trans-1,3-Dichloropropene	<130		530	130	ug/m3			07/28/23 02:57	261.22
1,2,4-Trichlorobenzene	<380		8600	380	ug/m3			07/28/23 02:57	261.22
1,1,1-Trichloroethane	<230		630	230	ug/m3			07/28/23 02:57	261.22
1,1,2-Trichloroethane	<120		630	120	ug/m3			07/28/23 02:57	261.22
Trichloroethene	<100		620	100	ug/m3			07/28/23 02:57	261.22
Trichlorofluoromethane	**240**	**J**	650	91	ug/m3			07/28/23 02:57	261.22
1,1,2-Trichloro-1,2,2-trifluoroethane	<110		890	110	ug/m3			07/28/23 02:57	261.22
1,2,4-Trimethylbenzene	**4200**		570	140	ug/m3			07/28/23 02:57	261.22
1,3,5-Trimethylbenzene	**2200**		1100	460	ug/m3			07/28/23 02:57	261.22
Vinyl acetate	<140		10000	140	ug/m3			07/28/23 02:57	261.22
Vinyl bromide	<130		510	130	ug/m3			07/28/23 02:57	261.22
Vinyl chloride	**700**		590	96	ug/m3			07/28/23 02:57	261.22

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Air - GC/MS VOA

Analysis Batch: 75765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237195-1	BLOWER_20230721	Total/NA	Air	TO-15	
MB 140-75765/9	Method Blank	Total/NA	Air	TO-15	
LCS 140-75765/1002	Lab Control Sample	Total/NA	Air	TO-15	

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 140-75765/9
Matrix: Air
Analysis Batch: 75765

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.4		7.5	1.4	ppb v/v			07/27/23 12:57	1
Benzene	<0.033		0.20	0.033	ppb v/v			07/27/23 12:57	1
Benzyl chloride	<0.095		0.80	0.095	ppb v/v			07/27/23 12:57	1
Bromodichloromethane	<0.044		0.20	0.044	ppb v/v			07/27/23 12:57	1
Bromoform	<0.066		0.20	0.066	ppb v/v			07/27/23 12:57	1
Bromomethane	<0.055		0.20	0.055	ppb v/v			07/27/23 12:57	1
2-Butanone (MEK)	<0.18		1.0	0.18	ppb v/v			07/27/23 12:57	1
Carbon disulfide	<0.087		0.50	0.087	ppb v/v			07/27/23 12:57	1
Carbon tetrachloride	<0.032		0.20	0.032	ppb v/v			07/27/23 12:57	1
Chlorobenzene	<0.056		0.20	0.056	ppb v/v			07/27/23 12:57	1
Chloroethane	<0.079		0.80	0.079	ppb v/v			07/27/23 12:57	1
Chloroform	<0.036		0.20	0.036	ppb v/v			07/27/23 12:57	1
Chloromethane	<0.16		1.0	0.16	ppb v/v			07/27/23 12:57	1
cis-1,2-Dichloroethene	<0.025		0.20	0.025	ppb v/v			07/27/23 12:57	1
cis-1,3-Dichloropropene	<0.048		0.40	0.048	ppb v/v			07/27/23 12:57	1
Cyclohexane	<0.093		0.50	0.093	ppb v/v			07/27/23 12:57	1
Dibromochloromethane	<0.034		0.20	0.034	ppb v/v			07/27/23 12:57	1
1,2-Dibromoethane (EDB)	<0.031		0.20	0.031	ppb v/v			07/27/23 12:57	1
1,2-Dichlorobenzene	<0.078		0.40	0.078	ppb v/v			07/27/23 12:57	1
1,3-Dichlorobenzene	<0.040		0.20	0.040	ppb v/v			07/27/23 12:57	1
1,4-Dichlorobenzene	<0.040		0.20	0.040	ppb v/v			07/27/23 12:57	1
Dichlorodifluoromethane	<0.035		0.50	0.035	ppb v/v			07/27/23 12:57	1
1,1-Dichloroethane	<0.027		0.20	0.027	ppb v/v			07/27/23 12:57	1
1,2-Dichloroethane	<0.025		0.20	0.025	ppb v/v			07/27/23 12:57	1
1,1-Dichloroethene	<0.032		0.20	0.032	ppb v/v			07/27/23 12:57	1
1,2-Dichloropropane	<0.025		0.20	0.025	ppb v/v			07/27/23 12:57	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.030		0.20	0.030	ppb v/v			07/27/23 12:57	1
1,4-Dioxane	<0.075		5.0	0.075	ppb v/v			07/27/23 12:57	1
Ethylbenzene	<0.033		0.20	0.033	ppb v/v			07/27/23 12:57	1
Hexachlorobutadiene	<0.080		1.0	0.080	ppb v/v			07/27/23 12:57	1
Hexane	<0.063		0.80	0.063	ppb v/v			07/27/23 12:57	1
Isopropyl alcohol	<0.24		5.0	0.24	ppb v/v			07/27/23 12:57	1
Isopropylbenzene	<0.043		0.80	0.043	ppb v/v			07/27/23 12:57	1
Methylene Chloride	0.361	J	1.0	0.34	ppb v/v			07/27/23 12:57	1
4-Methyl-2-pentanone (MIBK)	<0.14		1.0	0.14	ppb v/v			07/27/23 12:57	1
Methyl tert-butyl ether	<0.13		1.0	0.13	ppb v/v			07/27/23 12:57	1
m-Xylene & p-Xylene	<0.073		0.80	0.073	ppb v/v			07/27/23 12:57	1
Naphthalene	<0.10		0.50	0.10	ppb v/v			07/27/23 12:57	1
o-Xylene	<0.038		0.20	0.038	ppb v/v			07/27/23 12:57	1
Styrene	<0.060		0.20	0.060	ppb v/v			07/27/23 12:57	1
1,1,2,2-Tetrachloroethane	<0.035		0.20	0.035	ppb v/v			07/27/23 12:57	1
Tetrachloroethene	<0.029		0.20	0.029	ppb v/v			07/27/23 12:57	1
Tetrahydrofuran	0.210	J	5.0	0.18	ppb v/v			07/27/23 12:57	1
Toluene	<0.057		1.0	0.057	ppb v/v			07/27/23 12:57	1
trans-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			07/27/23 12:57	1
trans-1,3-Dichloropropene	<0.049		0.20	0.049	ppb v/v			07/27/23 12:57	1
1,2,4-Trichlorobenzene	<0.089		2.0	0.089	ppb v/v			07/27/23 12:57	1
1,1,1-Trichloroethane	<0.072		0.20	0.072	ppb v/v			07/27/23 12:57	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-75765/9
Matrix: Air
Analysis Batch: 75765

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.038		0.20	0.038	ppb v/v			07/27/23 12:57	1
Trichloroethene	<0.033		0.20	0.033	ppb v/v			07/27/23 12:57	1
Trichlorofluoromethane	<0.028		0.20	0.028	ppb v/v			07/27/23 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.024		0.20	0.024	ppb v/v			07/27/23 12:57	1
1,2,4-Trimethylbenzene	<0.050		0.20	0.050	ppb v/v			07/27/23 12:57	1
1,3,5-Trimethylbenzene	<0.16		0.40	0.16	ppb v/v			07/27/23 12:57	1
Vinyl acetate	<0.070		5.0	0.070	ppb v/v			07/27/23 12:57	1
Vinyl bromide	<0.050		0.20	0.050	ppb v/v			07/27/23 12:57	1
Vinyl chloride	<0.065		0.40	0.065	ppb v/v			07/27/23 12:57	1

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<3.3		18	3.3	ug/m3			07/27/23 12:57	1
Benzene	<0.11		0.64	0.11	ug/m3			07/27/23 12:57	1
Benzyl chloride	<0.49		4.1	0.49	ug/m3			07/27/23 12:57	1
Bromodichloromethane	<0.29		1.3	0.29	ug/m3			07/27/23 12:57	1
Bromoform	<0.68		2.1	0.68	ug/m3			07/27/23 12:57	1
Bromomethane	<0.21		0.78	0.21	ug/m3			07/27/23 12:57	1
2-Butanone (MEK)	<0.53		2.9	0.53	ug/m3			07/27/23 12:57	1
Carbon disulfide	<0.27		1.6	0.27	ug/m3			07/27/23 12:57	1
Carbon tetrachloride	<0.20		1.3	0.20	ug/m3			07/27/23 12:57	1
Chlorobenzene	<0.26		0.92	0.26	ug/m3			07/27/23 12:57	1
Chloroethane	<0.21		2.1	0.21	ug/m3			07/27/23 12:57	1
Chloroform	<0.18		0.98	0.18	ug/m3			07/27/23 12:57	1
Chloromethane	<0.33		2.1	0.33	ug/m3			07/27/23 12:57	1
cis-1,2-Dichloroethene	<0.099		0.79	0.099	ug/m3			07/27/23 12:57	1
cis-1,3-Dichloropropene	<0.22		1.8	0.22	ug/m3			07/27/23 12:57	1
Cyclohexane	<0.32		1.7	0.32	ug/m3			07/27/23 12:57	1
Dibromochloromethane	<0.29		1.7	0.29	ug/m3			07/27/23 12:57	1
1,2-Dibromoethane (EDB)	<0.24		1.5	0.24	ug/m3			07/27/23 12:57	1
1,2-Dichlorobenzene	<0.47		2.4	0.47	ug/m3			07/27/23 12:57	1
1,3-Dichlorobenzene	<0.24		1.2	0.24	ug/m3			07/27/23 12:57	1
1,4-Dichlorobenzene	<0.24		1.2	0.24	ug/m3			07/27/23 12:57	1
Dichlorodifluoromethane	<0.17		2.5	0.17	ug/m3			07/27/23 12:57	1
1,1-Dichloroethane	<0.11		0.81	0.11	ug/m3			07/27/23 12:57	1
1,2-Dichloroethane	<0.10		0.81	0.10	ug/m3			07/27/23 12:57	1
1,1-Dichloroethene	<0.13		0.79	0.13	ug/m3			07/27/23 12:57	1
1,2-Dichloropropane	<0.12		0.92	0.12	ug/m3			07/27/23 12:57	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.21		1.4	0.21	ug/m3			07/27/23 12:57	1
1,4-Dioxane	<0.27		18	0.27	ug/m3			07/27/23 12:57	1
Ethylbenzene	<0.14		0.87	0.14	ug/m3			07/27/23 12:57	1
Hexachlorobutadiene	<0.85		11	0.85	ug/m3			07/27/23 12:57	1
Hexane	<0.22		2.8	0.22	ug/m3			07/27/23 12:57	1
Isopropyl alcohol	<0.59		12	0.59	ug/m3			07/27/23 12:57	1
Isopropylbenzene	<0.21		3.9	0.21	ug/m3			07/27/23 12:57	1
Methylene Chloride	1.25	J	3.5	1.2	ug/m3			07/27/23 12:57	1
4-Methyl-2-pentanone (MIBK)	<0.57		4.1	0.57	ug/m3			07/27/23 12:57	1
Methyl tert-butyl ether	<0.47		3.6	0.47	ug/m3			07/27/23 12:57	1
m-Xylene & p-Xylene	<0.32		3.5	0.32	ug/m3			07/27/23 12:57	1
Naphthalene	<0.52		2.6	0.52	ug/m3			07/27/23 12:57	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-75765/9
Matrix: Air
Analysis Batch: 75765

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.17		0.87	0.17	ug/m3			07/27/23 12:57	1
Styrene	<0.26		0.85	0.26	ug/m3			07/27/23 12:57	1
1,1,2,2-Tetrachloroethane	<0.24		1.4	0.24	ug/m3			07/27/23 12:57	1
Tetrachloroethene	<0.20		1.4	0.20	ug/m3			07/27/23 12:57	1
Tetrahydrofuran	0.620	J	15	0.53	ug/m3			07/27/23 12:57	1
Toluene	<0.21		3.8	0.21	ug/m3			07/27/23 12:57	1
trans-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			07/27/23 12:57	1
trans-1,3-Dichloropropene	<0.22		0.91	0.22	ug/m3			07/27/23 12:57	1
1,2,4-Trichlorobenzene	<0.66		15	0.66	ug/m3			07/27/23 12:57	1
1,1,1-Trichloroethane	<0.39		1.1	0.39	ug/m3			07/27/23 12:57	1
1,1,2-Trichloroethane	<0.21		1.1	0.21	ug/m3			07/27/23 12:57	1
Trichloroethene	<0.18		1.1	0.18	ug/m3			07/27/23 12:57	1
Trichlorofluoromethane	<0.16		1.1	0.16	ug/m3			07/27/23 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.18		1.5	0.18	ug/m3			07/27/23 12:57	1
1,2,4-Trimethylbenzene	<0.25		0.98	0.25	ug/m3			07/27/23 12:57	1
1,3,5-Trimethylbenzene	<0.79		2.0	0.79	ug/m3			07/27/23 12:57	1
Vinyl acetate	<0.25		18	0.25	ug/m3			07/27/23 12:57	1
Vinyl bromide	<0.22		0.87	0.22	ug/m3			07/27/23 12:57	1
Vinyl chloride	<0.17		1.0	0.17	ug/m3			07/27/23 12:57	1

Lab Sample ID: LCS 140-75765/1002
Matrix: Air
Analysis Batch: 75765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	6.00	6.98		ppb v/v		116	60 - 140
Benzene	2.00	2.09		ppb v/v		104	70 - 130
Benzyl chloride	2.00	1.80		ppb v/v		90	70 - 130
Bromodichloromethane	2.00	1.97		ppb v/v		99	70 - 130
Bromoform	2.00	1.88		ppb v/v		94	60 - 140
Bromomethane	2.00	2.13		ppb v/v		107	70 - 130
2-Butanone (MEK)	2.00	2.06		ppb v/v		103	60 - 140
Carbon disulfide	2.00	2.22		ppb v/v		111	70 - 130
Carbon tetrachloride	2.00	1.94		ppb v/v		97	70 - 130
Chlorobenzene	2.00	1.88		ppb v/v		94	70 - 130
Chloroethane	2.00	2.05		ppb v/v		103	70 - 130
Chloroform	2.00	2.12		ppb v/v		106	70 - 130
Chloromethane	2.00	2.41		ppb v/v		120	60 - 140
cis-1,2-Dichloroethene	2.00	2.00		ppb v/v		100	70 - 130
cis-1,3-Dichloropropene	2.00	2.04		ppb v/v		102	70 - 130
Cyclohexane	2.00	2.08		ppb v/v		104	70 - 130
Dibromochloromethane	2.00	1.91		ppb v/v		96	70 - 130
1,2-Dibromoethane (EDB)	2.00	1.93		ppb v/v		96	70 - 130
1,2-Dichlorobenzene	2.00	1.92		ppb v/v		96	70 - 130
1,3-Dichlorobenzene	2.00	1.85		ppb v/v		93	70 - 130
1,4-Dichlorobenzene	2.00	1.93		ppb v/v		97	70 - 130
Dichlorodifluoromethane	2.00	2.54		ppb v/v		127	60 - 140
1,1-Dichloroethane	2.00	2.19		ppb v/v		109	70 - 130
1,2-Dichloroethane	2.00	2.02		ppb v/v		101	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-75765/1002
Matrix: Air
Analysis Batch: 75765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	2.00	2.06		ppb v/v		103	70 - 130
1,2-Dichloropropane	2.00	2.12		ppb v/v		106	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.00	2.33		ppb v/v		116	60 - 140
1,4-Dioxane	2.00	1.81	J	ppb v/v		91	60 - 140
Ethylbenzene	2.00	1.85		ppb v/v		92	70 - 130
Hexachlorobutadiene	2.00	1.85		ppb v/v		93	60 - 140
Hexane	2.00	2.23		ppb v/v		112	70 - 130
Isopropyl alcohol	6.00	6.96		ppb v/v		116	60 - 140
Isopropylbenzene	2.00	1.81		ppb v/v		90	70 - 130
Methylene Chloride	2.00	2.21		ppb v/v		110	70 - 130
4-Methyl-2-pentanone (MIBK)	2.00	2.12		ppb v/v		106	60 - 140
Methyl tert-butyl ether	2.00	2.06		ppb v/v		103	60 - 140
m-Xylene & p-Xylene	4.00	3.68		ppb v/v		92	70 - 130
Naphthalene	2.00	2.00		ppb v/v		100	60 - 140
o-Xylene	2.00	1.78		ppb v/v		89	70 - 130
Styrene	2.00	1.90		ppb v/v		95	70 - 130
1,1,2,2-Tetrachloroethane	2.00	1.90		ppb v/v		95	70 - 130
Tetrachloroethene	2.00	1.79		ppb v/v		89	70 - 130
Tetrahydrofuran	2.00	2.27		ppb v/v		114	60 - 140
Toluene	2.00	1.88		ppb v/v		94	70 - 130
trans-1,2-Dichloroethene	2.00	2.06		ppb v/v		103	70 - 130
trans-1,3-Dichloropropene	2.00	2.02		ppb v/v		101	70 - 130
1,2,4-Trichlorobenzene	2.00	2.17		ppb v/v		109	60 - 140
1,1,1-Trichloroethane	2.00	1.95		ppb v/v		98	70 - 130
1,1,2-Trichloroethane	2.00	1.99		ppb v/v		100	70 - 130
Trichloroethene	2.00	1.79		ppb v/v		89	70 - 130
Trichlorofluoromethane	2.00	2.09		ppb v/v		105	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.08		ppb v/v		104	70 - 130
1,2,4-Trimethylbenzene	2.00	1.88		ppb v/v		94	70 - 130
1,3,5-Trimethylbenzene	2.00	1.71		ppb v/v		85	70 - 130
Vinyl acetate	2.00	2.32		ppb v/v		116	60 - 140
Vinyl bromide	2.00	2.14		ppb v/v		107	60 - 140
Vinyl chloride	2.00	2.26		ppb v/v		113	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	14	16.6		ug/m3		116	60 - 140
Benzene	6.4	6.67		ug/m3		104	70 - 130
Benzyl chloride	10	9.32		ug/m3		90	70 - 130
Bromodichloromethane	13	13.2		ug/m3		99	70 - 130
Bromoform	21	19.5		ug/m3		94	60 - 140
Bromomethane	7.8	8.27		ug/m3		107	70 - 130
2-Butanone (MEK)	5.9	6.07		ug/m3		103	60 - 140
Carbon disulfide	6.2	6.90		ug/m3		111	70 - 130
Carbon tetrachloride	13	12.2		ug/m3		97	70 - 130
Chlorobenzene	9.2	8.65		ug/m3		94	70 - 130
Chloroethane	5.3	5.41		ug/m3		103	70 - 130
Chloroform	9.8	10.3		ug/m3		106	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-75765/1002
Matrix: Air
Analysis Batch: 75765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	4.1	4.97		ug/m3		120	60 - 140
cis-1,2-Dichloroethene	7.9	7.92		ug/m3		100	70 - 130
cis-1,3-Dichloropropene	9.1	9.25		ug/m3		102	70 - 130
Cyclohexane	6.9	7.17		ug/m3		104	70 - 130
Dibromochloromethane	17	16.3		ug/m3		96	70 - 130
1,2-Dibromoethane (EDB)	15	14.8		ug/m3		96	70 - 130
1,2-Dichlorobenzene	12	11.5		ug/m3		96	70 - 130
1,3-Dichlorobenzene	12	11.1		ug/m3		93	70 - 130
1,4-Dichlorobenzene	12	11.6		ug/m3		97	70 - 130
Dichlorodifluoromethane	9.9	12.6		ug/m3		127	60 - 140
1,1-Dichloroethane	8.1	8.85		ug/m3		109	70 - 130
1,2-Dichloroethane	8.1	8.16		ug/m3		101	70 - 130
1,1-Dichloroethene	7.9	8.18		ug/m3		103	70 - 130
1,2-Dichloropropane	9.2	9.79		ug/m3		106	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	14	16.3		ug/m3		116	60 - 140
1,4-Dioxane	7.2	6.54	J	ug/m3		91	60 - 140
Ethylbenzene	8.7	8.02		ug/m3		92	70 - 130
Hexachlorobutadiene	21	19.7		ug/m3		93	60 - 140
Hexane	7.0	7.86		ug/m3		112	70 - 130
Isopropyl alcohol	15	17.1		ug/m3		116	60 - 140
Isopropylbenzene	9.8	8.88		ug/m3		90	70 - 130
Methylene Chloride	6.9	7.66		ug/m3		110	70 - 130
4-Methyl-2-pentanone (MIBK)	8.2	8.67		ug/m3		106	60 - 140
Methyl tert-butyl ether	7.2	7.42		ug/m3		103	60 - 140
m-Xylene & p-Xylene	17	16.0		ug/m3		92	70 - 130
Naphthalene	10	10.5		ug/m3		100	60 - 140
o-Xylene	8.7	7.75		ug/m3		89	70 - 130
Styrene	8.5	8.08		ug/m3		95	70 - 130
1,1,2,2-Tetrachloroethane	14	13.0		ug/m3		95	70 - 130
Tetrachloroethene	14	12.1		ug/m3		89	70 - 130
Tetrahydrofuran	5.9	6.71		ug/m3		114	60 - 140
Toluene	7.5	7.07		ug/m3		94	70 - 130
trans-1,2-Dichloroethene	7.9	8.18		ug/m3		103	70 - 130
trans-1,3-Dichloropropene	9.1	9.19		ug/m3		101	70 - 130
1,2,4-Trichlorobenzene	15	16.1		ug/m3		109	60 - 140
1,1,1-Trichloroethane	11	10.6		ug/m3		98	70 - 130
1,1,2-Trichloroethane	11	10.9		ug/m3		100	70 - 130
Trichloroethene	11	9.60		ug/m3		89	70 - 130
Trichlorofluoromethane	11	11.8		ug/m3		105	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	15	16.0		ug/m3		104	70 - 130
1,2,4-Trimethylbenzene	9.8	9.23		ug/m3		94	70 - 130
1,3,5-Trimethylbenzene	9.8	8.40		ug/m3		85	70 - 130
Vinyl acetate	7.0	8.18		ug/m3		116	60 - 140
Vinyl bromide	8.7	9.37		ug/m3		107	60 - 140
Vinyl chloride	5.1	5.77		ug/m3		113	70 - 130

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Client Sample ID: BLOWER_20230721

Date Collected: 07/21/23 10:00
Date Received: 07/26/23 13:00

Lab Sample ID: 500-237195-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		261.22	75765	S1K	EET KNX	07/28/23 02:57

Laboratory References:

EET KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job ID: 500-237195-1

Laboratory: Eurofins Knoxville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998044300	08-31-23

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike

Knoxville, TN 37921-5947
phone 865.291.3000 fax 865.584.4315

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

eurofins | Environment Testing TestAmerica

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	**Client Project Manager:** Mitch Everson	**Samples Collected By:** RMS	COC No: 1 of 1 COCs
Company Name: Cedar Corporation	**Phone:**		TALS Project #:
Address: 604 Wilson Ave	**Email:** mitch.everson@cedarcorp.com		**For Lab Use Only:** Walk-in Client: / Lab Sampling:
City/State/Zip Menomonie, WI 54751			Job / SDG No.:
Phone: 715-235-9081	**Site Contact:**		(See below for Add'l Items)
FAX:	**Tel/Fax**		
Project Name: Junker LF	**Analysis Turnaround Time**		
Site/Location:	Standard (Specific):		
P O #	Rush (Specifiy):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
Blower_20230721	7/21	1000	–	–	–	–	–	12250	X												X		
Custody Seal Intact																							
Received Ambient																							
DH 7/26/23																							
1 Box FedEx 6471 4648 4600 G																							
1 Can / 1 Guage																							

500-237195 Chain of Custody

Temperature (Fahrenheit)			
	Start	Interior	Ambient
	Stop	–	73° F

Pressure (inches of Hg)			
	Start	Interior	Ambient
	Stop	–	29.05

Tracking #: 6471 4648 4600

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	**Date / Time:** 7/21/23 1430	**Samples Received by:** Dean Hill ETA KNX 7/26/23 13:05
Samples Relinquished by:	**Date / Time:**	**Received by:**
Relinquished by:	**Date / Time:**	**Received by:**
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**

Form No. CA-C-WI-003, Rev. 2.23, dated 5/4/2020

7/28/2023

Loc: 500
237195

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

Review Items	Yes	No	NA	If No, what was the problem?
1. Are the shipping containers intact?	✓			☐ **Containers, Broken**
2. Were ambient air containers received intact?			✓	☑ Checked in lab
3. The coolers/containers custody seal if present, is it intact?	✓			☐ Yes ☐ NA
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID : _____ Correction factor: _____			✓	☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt**
5. Were all of the sample containers received intact?	✓			☐ **Containers, Broken**
6. Were samples received in appropriate containers?	✓			☐ **Containers, Improper; Client Contacted; Proceed/Cancel**
7. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received**
8. Were all of the samples listed on the COC received?	✓			☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received**
9. Is the date/time of sample collection noted?	✓			☐ **COC; No Date/Time; Client Contacted**
10. Was the sampler identified on the COC?	✓			☐ **Sampler Not Listed on COC**
11. Is the client and project name/# identified?	✓			☐ **COC Incorrect/Incomplete**
12. Are tests/parameters listed for each sample?	✓			☐ **COC No tests on COC**
13. Is the matrix of the samples noted?	✓			☐ **COC Incorrect/Incomplete**
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **COC Incorrect/Incomplete**
15. Were samples received within holding time?	✓			☐ **Holding Time - Receipt**
16. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative**
17. Were VOA samples received without headspace?			✓	☐ **Headspace (VOA only)**
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number:			✓	☐ **Residual Chlorine**
19. For 1613B water samples is pH<9?			✓	☐ If no, notify lab to adjust
20. For rad samples was sample activity info. Provided?			✓	☐ Project missing info

Comments/Actions Taken

Labeling Verified by: **Date:**

pH test strip lot number:

	Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:		
Lot Number:		
Exp Date:		
Analyst:		
Date:		
Time:		

Project #: 50006557 PM Instructions: _____

Sample Receiving Associate: Dean Hick Date: 7/26/23

QA026R32.doc, 062719

7/28/2023

Eurofins Knoxville - Air Canister Initial Pressure Check

Gauge ID: g5
Date/Time: 7/26/23 1411

Analyst	Sample ID	Pressure @ Receipt (-in Hg or +psig)/initial pressurisation (if applicable)	Asset #	Cleaning Job	Cert Type	Size (L)	Comments
BTB	500-237195-a-1	-1.0	12250	140-32420-a-12	B	6	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville | Job No.: 140-32420-1

SDG No.:

Client Sample ID: 11191 | Lab Sample ID: 140-32420-1

Matrix: Air | Lab File ID: GG03L32420.D

Analysis Method: TO 15 LL | Date Collected: 06/30/2023 08:10

Sample wt/vol: 500(mL) | Date Analyzed: 07/03/2023 15:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 74906 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.16	
106-99-0	1,3-Butadine	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND		1.0	
107-83-5	2-Methylpentane	ND		0.080	
107-05-1	3-Chloroprene	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville | Job No.: 140-32420-1

SDG No.:

Client Sample ID: 11191 | Lab Sample ID: 140-32420-1

Matrix: Air | Lab File ID: GG03L32420.D

Analysis Method: TO 15 LL | Date Collected: 06/30/2023 08:10

Sample wt/vol: 500 (mL) | Date Analyzed: 07/03/2023 15:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32 (mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 74906 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND		0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND		0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND		0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND		0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND		0.080	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville | Job No.: 140-32420-1

SDG No.:

Client Sample ID: 11191 | Lab Sample ID: 140-32420-1

Matrix: Air | Lab File ID: GG03L32420.D

Analysis Method: TO 15 LL | Date Collected: 06/30/2023 08:10

Sample wt/vol: 500 (mL) | Date Analyzed: 07/03/2023 15:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32 (mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 74906 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	ND		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND		0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND		0.40	
115-07-1	Propene	ND		1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND		0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND		0.080	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville Job No.: 140-32420-1

SDG No.:

Client Sample ID: 11191 Lab Sample ID: 140-32420-1

Matrix: Air Lab File ID: GG03L32420.D

Analysis Method: TO 15 LL Date Collected: 06/30/2023 08:10

Sample wt/vol: 500 (mL) Date Analyzed: 07/03/2023 15:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32 (mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 74906 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-01-4	Vinyl chloride	ND		0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Knoxville | Job No.: 140-32420-1

SDG No.:

Client Sample ID: 11191 | Lab Sample ID: 140-32420-1

Matrix: Air | Lab File ID: GG03L32420.D

Analysis Method: TO 15 LL | Date Collected: 06/30/2023 08:10

Sample wt/vol: 500(mL) | Date Analyzed: 07/03/2023 15:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

Purge Volume: | Heated Purge: (Y/N) pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 74906 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Eurofins Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MG\20230629-28655.b\GG03L32420.D				
Lims ID:	140-32420-A-1				
Client ID:	11191				
Sample Type:	Client				
Inject. Date:	03-Jul-2023 15:49:30	ALS Bottle#:	1	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0028655-004				
Misc. Info.:	11191				
Operator ID:		Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20230629-28655.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	04-Jul-2023 13:02:32	Calib Date:	06-Jun-2023 01:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20230605-28306.b\GF05IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1642				
First Level Reviewer: khachitpongpanits		Date:	04-Jul-2023 13:02:32		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.354	9.354	0.000	72	175672	3.76	
* 2 1,4-Difluorobenzene	114	11.533	11.533	0.000	94	959834	4.00	
* 3 Chlorobenzene-d5 (IS)	117	16.219	16.219	0.000	87	787664	3.92	
$ 4 4-Bromofluorobenzene (Surr)	95	17.858	17.885	-0.027	91	616381	3.55	
23 Acetone	58	5.671	5.660	0.011	99	25245	0.9471	
31 Methylene Chloride	84	6.674	6.674	0.000	84	13272	0.2163	
39 2-Butanone (MEK)	72	8.556	8.540	0.016	93	2498	0.0888	
51 n-Butanol	31	10.929	10.907	0.022	84	1835	0.2173	
61 1,4-Dioxane	88	12.471	12.460	0.011	89	3623	0.1574	
115 2-Methylnaphthalene	142	22.420	22.415	0.005	91	466	0.0103	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSUR_00003 Amount Added: 40.00 Units: mL Run Reagent

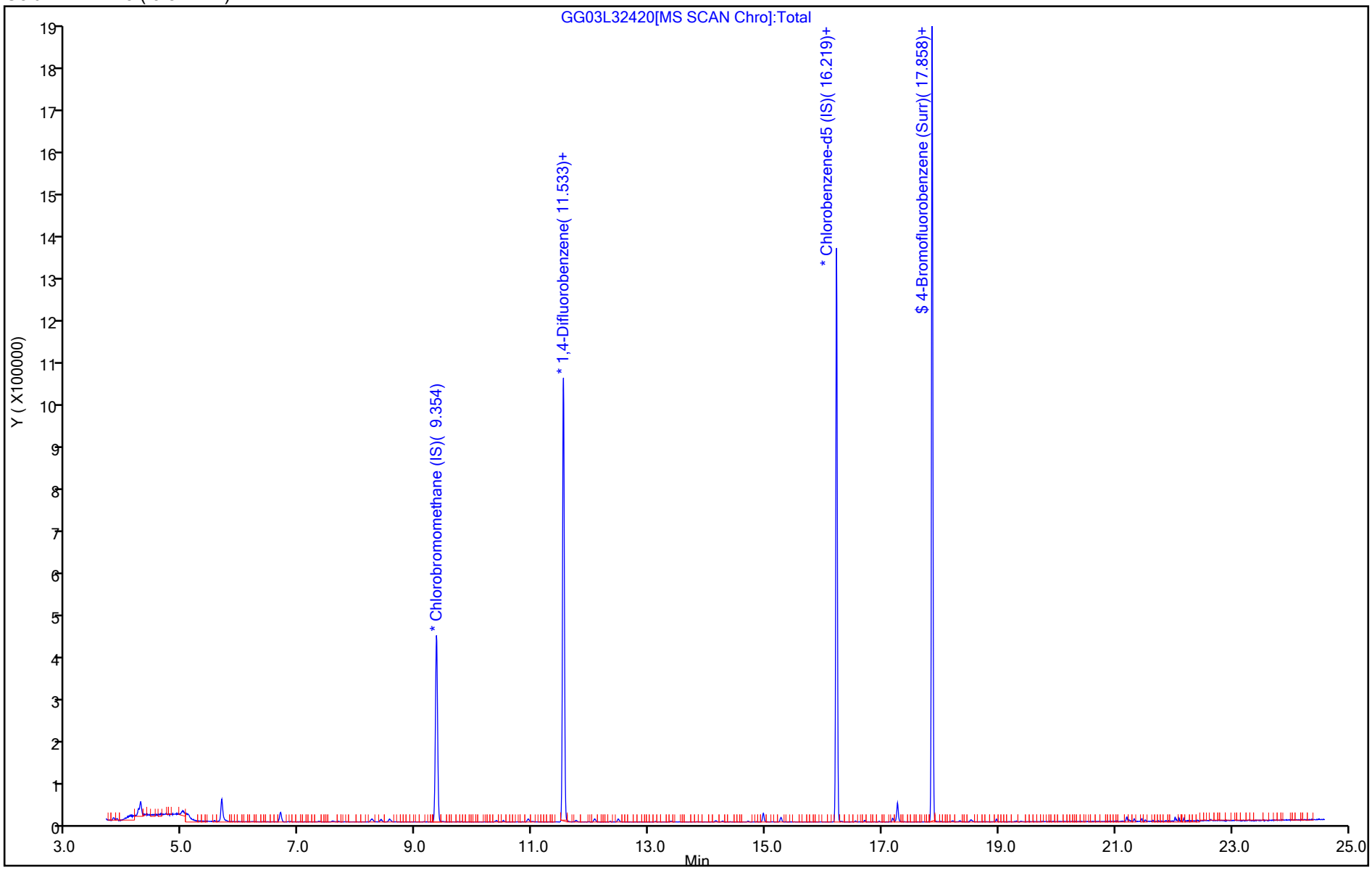
Report Date: 04-Jul-2023 13:02:32 Chrom Revision: 2.3 21-Jun-2023 17:36:34

Eurofins Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20230629-28655.b\GG03L32420.D

Injection Date:	03-Jul-2023 15:49:30	Instrument ID:	MG	Operator ID:	
Lims ID:	140-32420-A-1	Lab Sample ID:	140-32420-1	Worklist Smp#:	4
Client ID:	11191				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



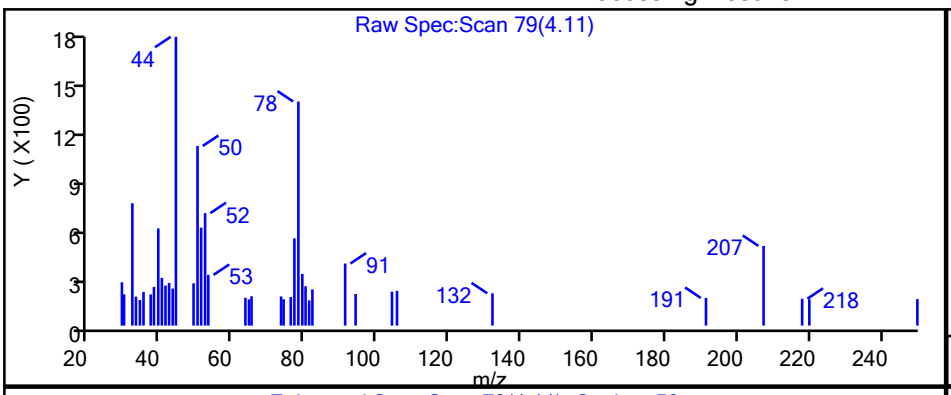
User Disabled Compound Report

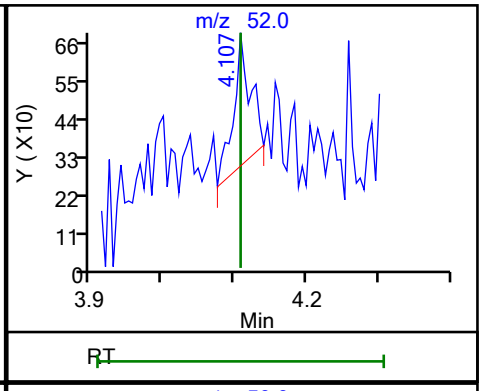
Eurofins Knoxville

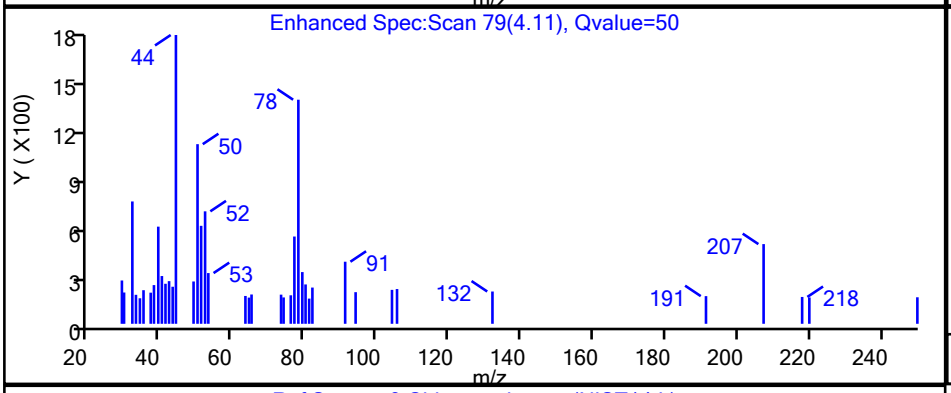
Data File:	\\chromfs\Knoxville\ChromData\MG\20230629-28655.b\GG03L32420.D		
Injection Date:	03-Jul-2023 15:49:30	Instrument ID:	MG
Lims ID:	140-32420-A-1	Lab Sample ID:	140-32420-1
Client ID:	11191		
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

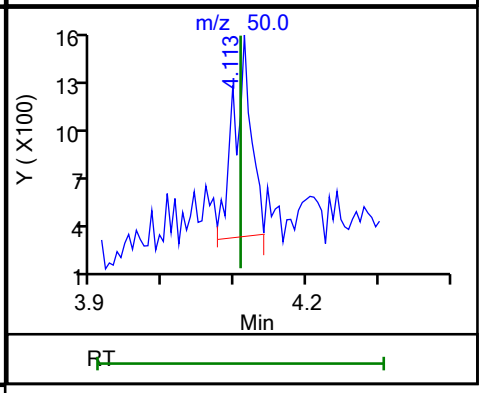
9 Chloromethane, CAS: 74-87-3

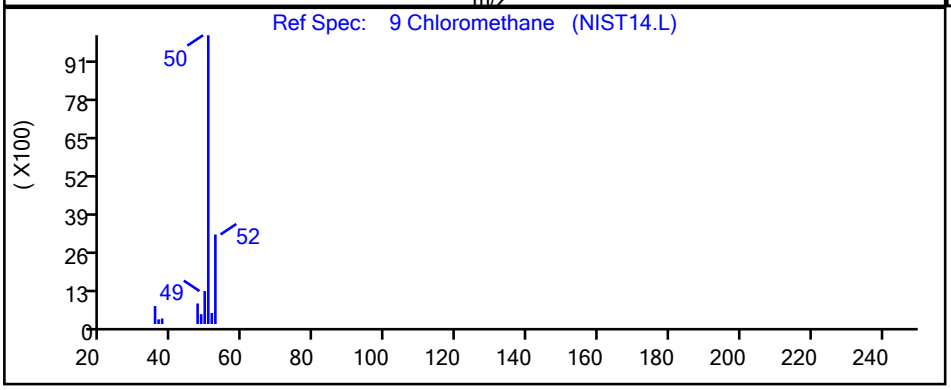
Processing Results











RT	Mass	Response	Amount
4.11	52.00	619	0.075916
4.11	50.00	2095	

Reviewer: khachitpongpanits, 04-Jul-2023 13:01:54 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

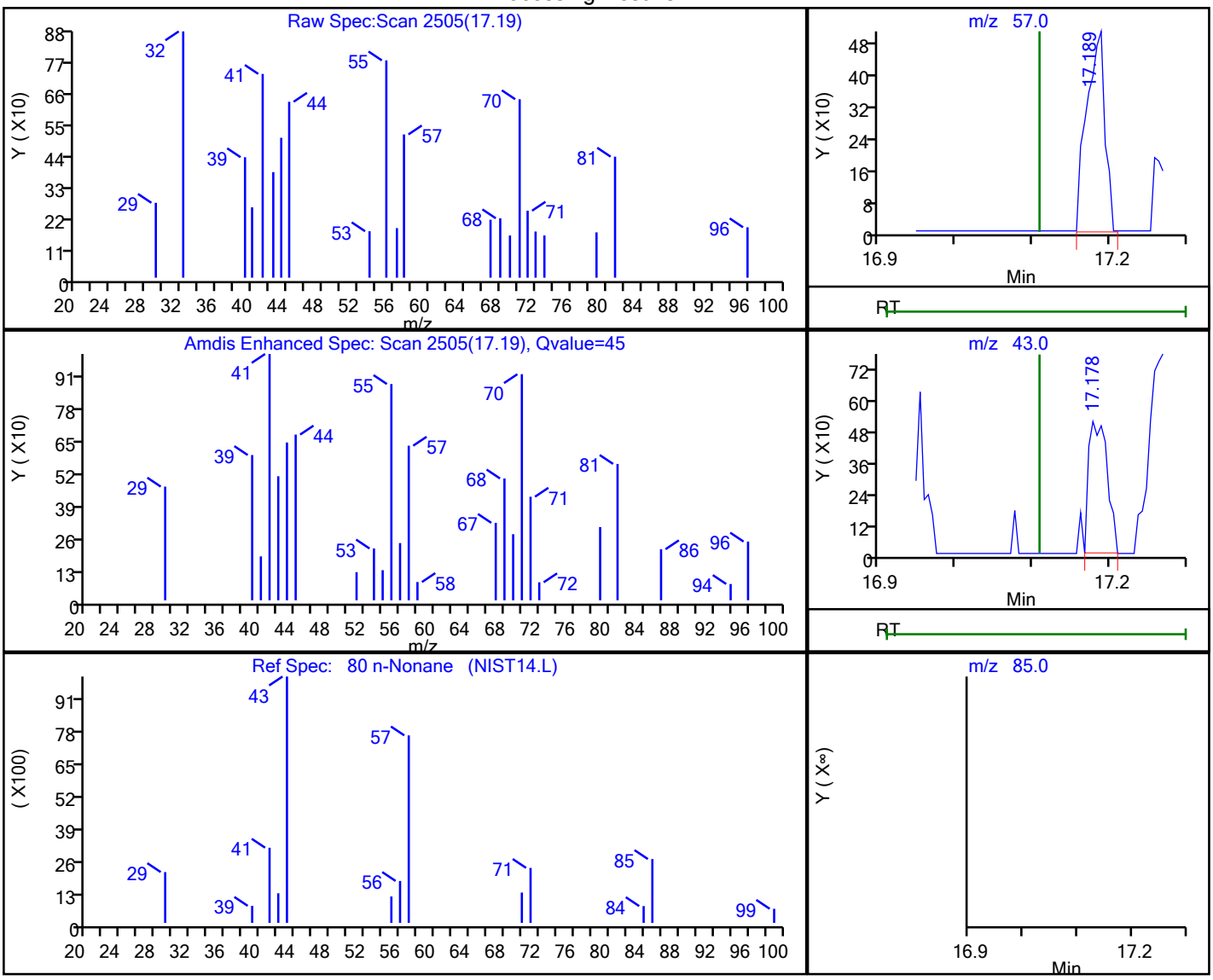
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20230629-28655.b\GG03L32420.D		
Injection Date:	03-Jul-2023 15:49:30	Instrument ID:	MG
Lims ID:	140-32420-A-1	Lab Sample ID:	140-32420-1
Client ID:	11191		
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

80 n-Nonane, CAS: 111-84-2

Processing Results



RT	Mass	Response	Amount
17.19	57.00	840	0.071724
17.18	43.00	870	
17.11	85.00	0	

Reviewer: khachitpongpanits, 04-Jul-2023 13:02:25 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

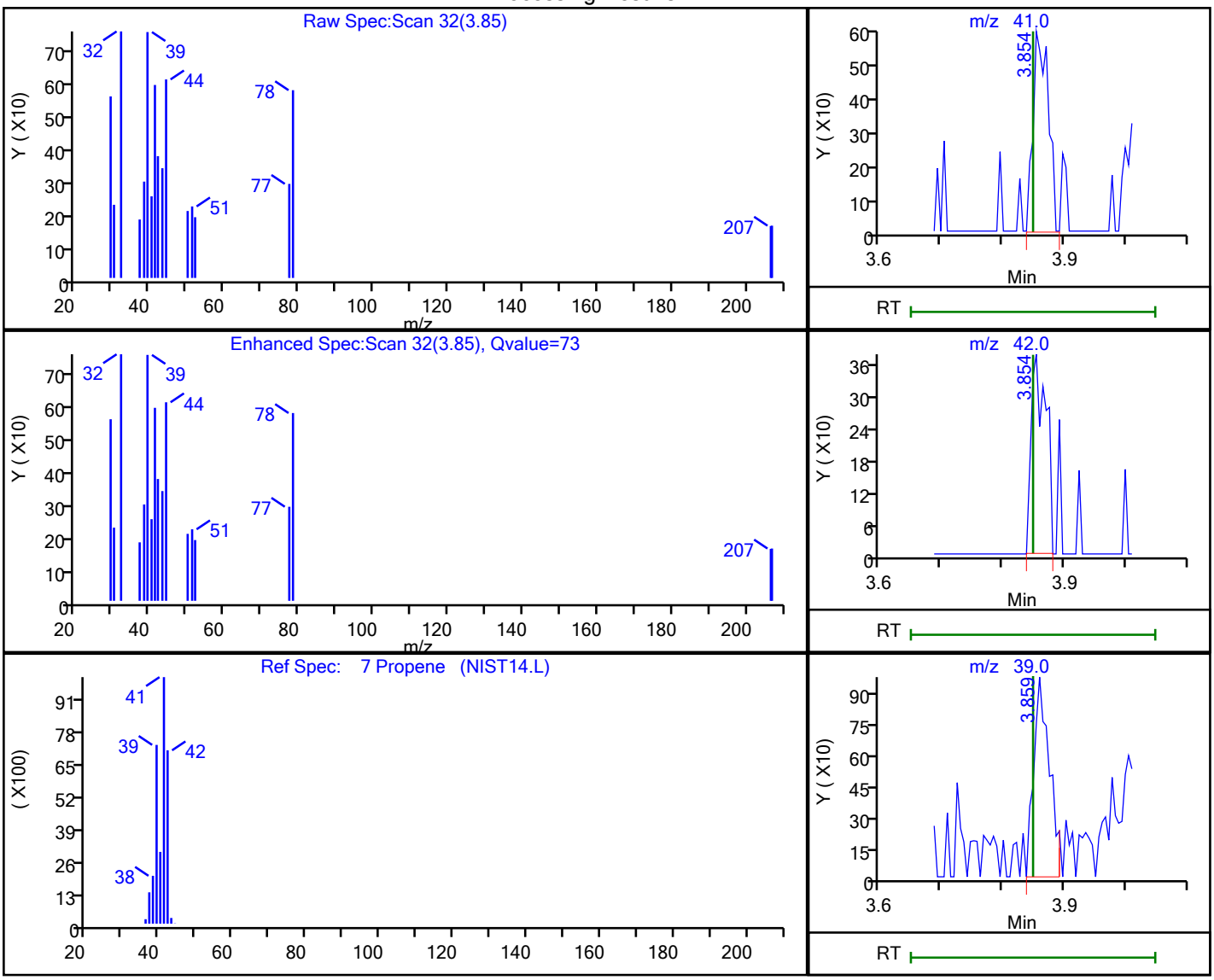
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20230629-28655.b\GG03L32420.D		
Injection Date:	03-Jul-2023 15:49:30	Instrument ID:	MG
Lims ID:	140-32420-A-1	Lab Sample ID:	140-32420-1
Client ID:	11191		
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.85	41.00	1024	0.024327
3.85	42.00	634	
3.86	39.00	1762	

Reviewer: khachitpongpanits, 04-Jul-2023 13:01:50 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

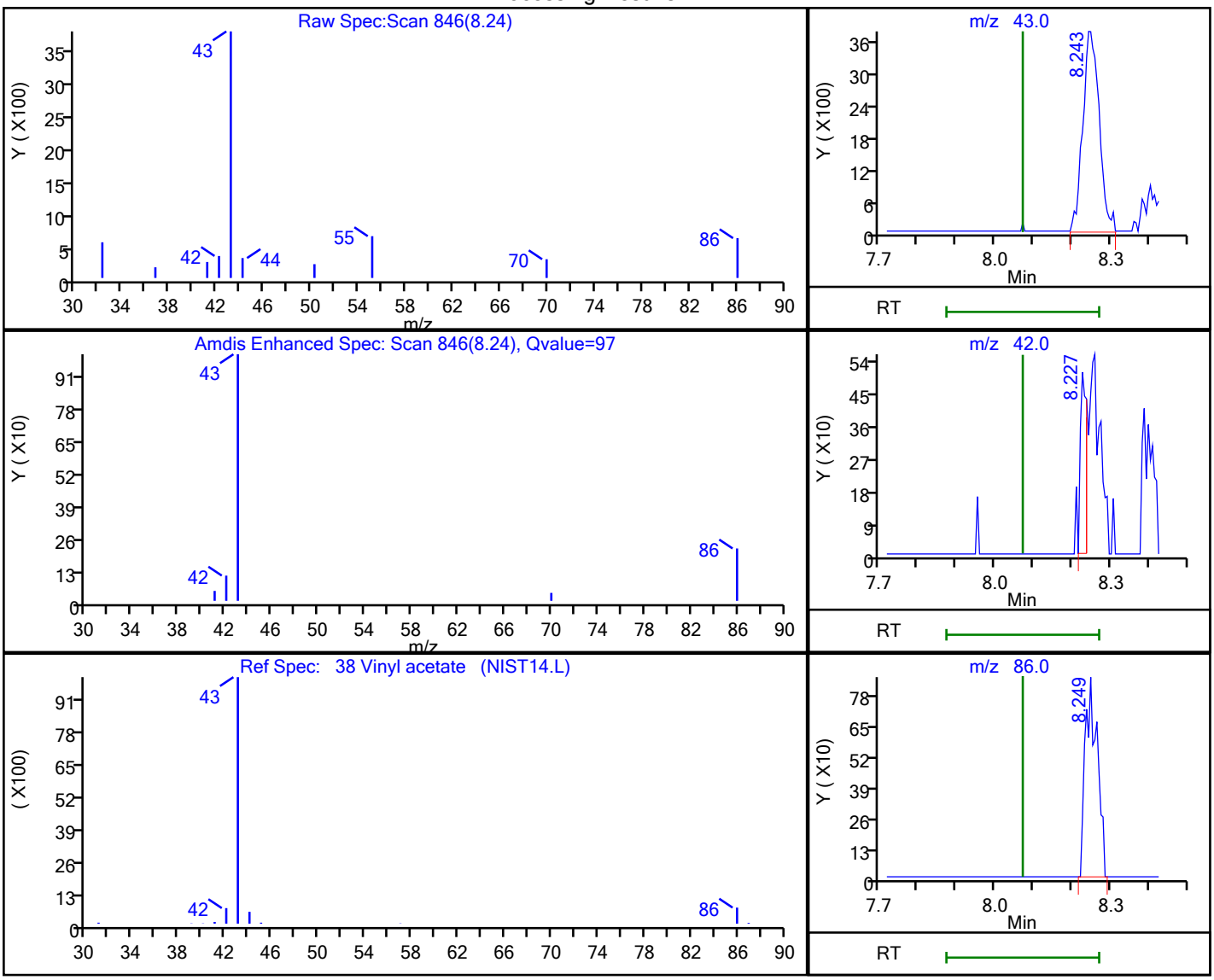
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20230629-28655.b\GG03L32420.D		
Injection Date:	03-Jul-2023 15:49:30	Instrument ID:	MG
Lims ID:	140-32420-A-1	Lab Sample ID:	140-32420-1
Client ID:	11191		
Operator ID:		ALS Bottle#:	1 Worklist Smp#: 4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

38 Vinyl acetate, CAS: 108-05-4

Processing Results



RT	Mass	Response	Amount
8.24	43.00	11041	0.122522
8.23	42.00	557	
8.25	86.00	1878	

Reviewer: khachitpongpanits, 04-Jul-2023 13:02:11 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Summa Canister Dilution Worksheet

Client: Cedar Corporation
Project/Site: Junker LF Blower

Job No.: 500-237195-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
500-237195-1	6	0	1.00	6.00	1.3	1.09	6.53	25	261.22	261.22	g5 10004	07/27/23 9:50	BTB

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

APPENDIX C

LETTERS TO PRIVATE WELL OWNERS – REQUESTING WATER SAMPLE

LABORATORY ANALYTICAL REPORTS – PRIVATE WATER SUPPLY WELLS

LETTERS TO PRIVATE WELL OWNERS – ANALYTICAL RESULTS

LETTERS TO PRIVATE WELL OWNERS – OVERDUE WATER SAMPLE

LETTERS TO PRIVATE WELL OWNERS – REQUEST FOR VOC SAMPLING OUTSIDE SWCA

APPENDIX C

LETTERS TO PRIVATE WELL OWNERS – REQUESTING WATER SAMPLE

LABORATORY ANALYTICAL REPORTS – PRIVATE WATER SUPPLY WELLS

LETTERS TO PRIVATE WELL OWNERS – ANALYTICAL RESULTS

LETTERS TO PRIVATE WELL OWNERS – REQUESTING WATER SAMPLE

Cedar CORPORATION
community infrastructure | architecture | environmental

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
800-472-7372
FAX 715-235-2727
www.cedarcorp.com

February 2, 2023

Tyler Bonngard
756 McCutcheon Road
Hudson, WI 54016

Dear Tyler,

According to our records, your drinking water is due to be sampled as there was a change out of your water filtration system. Samples will be taken from the untreated (before the filters) and/or treated water (after the filters) to monitor groundwater quality and ensure the drinking water quality meets the State of Wisconsin safe drinking water standards. The sampling will take approximately five minutes to complete.

Please contact me, Renee Sletten, at your convenience to schedule a time to have your water sampled within the next few weeks. I can be reached in the office at (715) 235-9081 or by email renee.sletten@cedarcorp.com.

For any questions you may have, please contact myself or Candace Sykora at the Wisconsin Department of Natural Resources at (715) 928-0452 or by email at candace.sykora@wisconsin.gov.

Thank you in advance for your cooperation.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Cedar CORPORATION
community infrastructure | architecture | environmental

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
800-472-7372
FAX 715-235-2727
www.cedarcorp.com

February 2, 2023

Kelly & Jennifer Wendlandt
814 Dove Court
Hudson, WI 54016

Dear Kelly & Jennifer,

According to our records, your drinking water is due to be sampled as there was a change out of your water filtration system. Samples will be taken from the untreated (before the filters) and/or treated water (after the filters) to monitor groundwater quality and ensure the drinking water quality meets the State of Wisconsin safe drinking water standards. The sampling will take approximately five minutes to complete.

Please contact me, Renee Sletten, at your convenience to schedule a time to have your water sampled within the next few weeks. I can be reached in the office at (715) 235-9081 or by email renee.sletten@cedarcorp.com.

For any questions you may have, please contact myself or Candace Sykora at the Wisconsin Department of Natural Resources at (715) 928-0452 or by email at candace.sykora@wisconsin.gov.

Thank you in advance for your cooperation.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Cedar CORPORATION
community infrastructure | architecture | environmental

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
800-472-7372
FAX 715-235-2727
www.cedarcorp.com

February 2, 2023

Chris & Stephanie Bankes
917 LaBarge Road
Hudson, WI 54016

Dear Chris & Stephanie,

According to our records, your drinking water is due to be sampled as there was a change out of your water filtration system. Samples will be taken from the untreated (before the filters) and/or treated water (after the filters) to monitor groundwater quality and ensure the drinking water quality meets the State of Wisconsin safe drinking water standards. The sampling will take approximately five minutes to complete.

Please contact me, Renee Sletten, at your convenience to schedule a time to have your water sampled within the next few weeks. I can be reached in the office at (715) 235-9081 or by email renee.sletten@cedarcorp.com.

For any questions you may have, please contact myself or Candace Sykora at the Wisconsin Department of Natural Resources at (715) 928-0452 or by email at candace.sykora@wisconsin.gov.

Thank you in advance for your cooperation.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Cedar CORPORATION
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February 2, 2023

Alicia Torgerson
959 Fraser Lane
Hudson, WI 54016

Dear Alicia,

According to our records, your drinking water is due to be sampled as there was a change out of your water filtration system. Samples will be taken from the untreated (before the filters) and/or treated water (after the filters) to monitor groundwater quality and ensure the drinking water quality meets the State of Wisconsin safe drinking water standards. The sampling will take approximately five minutes to complete.

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February 2, 2023

Brian & Christine Gerhardt
974 Florence Lane
Hudson, WI 54016

Dear Brian & Christine,

According to our records, your drinking water is due to be sampled as there was a change out of your water filtration system. Samples will be taken from the untreated (before the filters) and/or treated water (after the filters) to monitor groundwater quality and ensure the drinking water quality meets the State of Wisconsin safe drinking water standards. The sampling will take approximately five minutes to complete.

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February 2, 2023

Dave & Kim Benoy
979 LaBarge Road
Hudson, WI 54016

Dear Dave & Kim,

According to our records, your drinking water is due to be sampled as there was a change out of your water filtration system. Samples will be taken from the untreated (before the filters) and/or treated water (after the filters) to monitor groundwater quality and ensure the drinking water quality meets the State of Wisconsin safe drinking water standards. The sampling will take approximately five minutes to complete.

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February 2, 2023

Thomas & Brenda Youderian
1001 Tanney Lane
Hudson, WI 54016

Dear Thomas & Brenda,

According to our records, your drinking water is due to be sampled as there was a change out of your water filtration system. Samples will be taken from the untreated (before the filters) and/or treated water (after the filters) to monitor groundwater quality and ensure the drinking water quality meets the State of Wisconsin safe drinking water standards. The sampling will take approximately five minutes to complete.

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Environmental Specialist

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April 3, 2023

John Schultz
985 Drover Trail
Hudson, WI 54016

Dear John,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 3, 2023

Craig & Michelle Berquist
941 Florence Lane
Hudson, WI 54016

Dear Craig & Michelle,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 3, 2023

Tiffiny Wolfe
684 Pine Timber Lane
Hudson, WI 54016

Dear Tiffiny,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

David Spivey
991 Burch Circle
Hudson, WI 54016

Dear David,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

Mark & Heather Langert
972 Labarge Road
Hudson, WI 54016

Dear Mark & Heather,

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April 4, 2023

Kenneth & Barbara Kolbe
970 Florence Lane
Hudson, WI 54016

Dear Kenneth & Barbara,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

Anthony & Ashly Tallarico
965 Fraser Lane
Hudson, WI 54016

Dear Anthony & Ashly,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

Jeff & Shannon Welle
952 Florence Lane
Hudson, WI 54016

Dear Jeff & Shannon,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

Charles & Rebecca Gillis
949 Florence Lane
Hudson, WI 54016

Dear Charles & Rebecca,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
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www.cedarcorp.com

April 4, 2023

Matthew Butzen
943 Alexander Road
Hudson, WI 54016

Dear Matthew,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
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April 4, 2023

Dan & Ashley Gilles
934 Coyote Lane
Hudson, WI 54016

Dear Dan & Ashley,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

Rick & Lynn Jasperson
894 Young Road
Hudson, WI 54016

Dear Rick & Lynn,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

Rick Hanson
881 Yellowstone Trail
Hudson, WI 54016

Dear Rick,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

Jacob & Mickey Lang
848 Hillside Trail
Hudson, WI 54016

Dear Jacob & Mickey,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

Brad McGhee
844 Hillside Trail
Hudson, WI 54016

Dear Brad,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

Mike & Sherry Schmidt
808 Hillside Trail
Hudson, WI 54016

Dear Mike & Sherry,

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April 4, 2023

Mark & Glenda Mattonen
783 Holden Lane
Hudson, WI 54016

Dear Mark & Glenda,

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April 4, 2023

Steve & Julie Reams
756 Holden Lane
Hudson, WI 54016

Dear Steve & Julie,

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April 4, 2023

Norflex Inc
C/O Arnie Anderson
720 Norflex Drive
Hudson, WI 54016

Dear Arnie,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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April 4, 2023

Jeremy & Traci Wolfe
667 Pine Timber Lane
Hudson, WI 54016

Dear Jeremy & Traci,

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For any questions you may have, please contact myself or Candace Sykora at the Wisconsin Department of Natural Resources at (715) 928-0452 or by email at candace.sykora@wisconsin.gov.

Thank you in advance for your cooperation.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Cedar CORPORATION

604 Wilson Avenue
Menomonie, WI 54751

Community Infrastructure • Architecture • Environmental Services

715-235-9081
www.cedarcorp.com

May 8, 2023

Rob & Ellen Farrell
989 Burch Circle
Hudson, WI 54016

Dear Rob & Ellen,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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604 Wilson Avenue
Menomonie, WI 54751
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May 8, 2023

Jamie Zimmer
982 Drover Trail
Hudson, WI 54016

Dear Jamie,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
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May 8, 2023

Mike Kjar
974 Labarge Road
Hudson, WI 54016

Dear Mike,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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604 Wilson Avenue
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May 8, 2023

Rod Kromrey
972 Fraser Lane
Hudson, WI 54016

Dear Rod,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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604 Wilson Avenue
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May 8, 2023

Duane Scholtz
963 Labarge Road
Hudson, WI 54016

Dear Duane,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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May 8, 2023

John & Melanie Tevik
962 Labarge Road
Hudson, WI 54016

Dear John & Melanie,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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604 Wilson Avenue
Menomonie, WI 54751
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May 8, 2023

Mike Sletten
946 Sadie's Lane
Hudson, WI 54016

Dear Mike,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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May 8, 2023

Josh Schommer
937 Sadie's Lane
Hudson, WI 54016

Dear Josh,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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May 8, 2023

Ryan & Elizabeth Goulette
935 Coyote Lane
Hudson, WI 54016

Dear Ryan & Elizabeth,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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May 8, 2023

Josh & Amy Pals
933 Sadie's Lane
Hudson, WI 54016

Dear Josh & Amy,

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May 8, 2023

Matthew & Melissa Clymer
930 Fraser Lane
Hudson, WI 54016

Dear Matthew & Melissa,

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May 8, 2023

Ed & Susan Hastreiter
927 Fraser Lane
Hudson, WI 54016

Dear Ed & Susan,

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May 8, 2023

Shane & Amanda Piringer
920 Fraser Lane
Hudson, WI 54016

Dear Shane & Amanda,

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May 8, 2023

Tony & Lori Jurek
884 Young Road
Hudson, WI 54016

Dear Tony & Lori,

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May 8, 2023

Dean Jr. & Carin Kern
875 Jane Circle
Hudson, WI 54016

Dear Dean & Carin,

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May 8, 2023

Jeremy & Sherry Rasmussen
776 Holden Lane
Hudson, WI 54016

Dear Jeremy & Sherry,

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May 8, 2023

Sean & Nicole Hopp
682 Pine Timber Lane
Hudson, WI 54016

Dear Sean & Nicole,

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May 8, 2023

Michael & Amy O'Donnell
665 Pine Timber Lane
Hudson, WI 54016

Dear Michael & Amy,

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June 23, 2023

Matthew Pevan
987 Labarge Road
Hudson, WI 54016

Dear Matthew,

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June 23, 2023

Sharon & John Janssen
786 McCutcheon Road
Hudson, WI 54016

Dear Sharon & John,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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June 23, 2023

Carrie & Mitchell Stump
807 Hillside Trail
Hudson, WI 54016

Dear Carrie & Mitchell,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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June 23, 2023

Scott & Tammy Bjork
940 Sadie's Lane
Hudson, WI 54016

Dear Scott & Tammy,

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June 23, 2023

Kenneth & Beverly Heutmaker
698 Pine Timber Lane
Hudson, WI 54016

Dear Kenneth & Beverly,

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604 Wilson Avenue
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June 23, 2023

Joe & Patty Thompson
817 Hillside Trail
Hudson, WI 54016

Dear Joe & Patty,

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Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Cedar CORPORATION

604 Wilson Avenue
Menomonie, WI 54751

Community Infrastructure • Architecture • Environmental Services

715-235-9081
www.cedarcorp.com

June 23, 2023

Tom & Becky Bohlen
724 McCutcheon Road
Hudson, WI 54016

Dear Tom & Becky,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Renee Sletten

Renee Sletten
Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 17, 2023

Ed Rankin
964 Sadie's Lane
Hudson, WI 54016

Dear Ed,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 17, 2023

Richard & Colleen Wobge
815 Dove Court
Hudson, WI 54016

Dear Richard & Colleen,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
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www.cedarcorp.com

August 17, 2023

Timothy & Vicki Hieb
693 Pine Timber Lane
Hudson, WI 54016

Dear Timothy & Vicki,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
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www.cedarcorp.com

August 17, 2023

Zach Turpin
982 Tanney Lane
Hudson, WI 54016

Dear Zach,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
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August 17, 2023

Joel Sengbush
963 Florence Lane
Hudson, WI 54016

Dear Joel,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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604 Wilson Avenue
Menomonie, WI 54751
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August 17, 2023

Scott & Candy Freer
790 Holden Lane
Hudson, WI 54016

Dear Scott & Candy,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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604 Wilson Avenue
Menomonie, WI 54751
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August 17, 2023

Brad & Emily Hubert
880 Hillside Trail
Hudson, WI 54016

Dear Brad & Emily,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 17, 2023

Carroll Sengbush
954 Fraser Lane
Hudson, WI 54016

Dear Carroll,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 17, 2023

Donald & Diane Peavy
696 McCutcheon Road
Hudson, WI 54016

Dear Donald & Diane,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 17, 2023

Jessica Jacobson
910 Florence Lane
Hudson, WI 54016

Dear Jessica,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
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August 17, 2023

Cara Noren
941 Sadie's Lane
Hudson, WI 54016

Dear Cara,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
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www.cedarcorp.com

August 17, 2023

Ludvig Blagen
692 McCutcheon Road
Hudson, WI 54016

Dear Ludvig,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Renee Sletten
Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 18, 2023

Galen Sederlund
855 Hillside Trail Unit B
Hudson, WI 54016

Dear Galen,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Renee Sletten

Renee Sletten
Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 18, 2023

Paul & Sara Schultz
865 Hillside Trail
Hudson, WI 54016

Dear Paul & Sara,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 18, 2023

Steve Krinke
942 Pup Circle
Hudson, WI 54016

Dear Steve,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
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August 18, 2023

Robert Stanway
929 Labarge Road
Hudson, WI 54016

Dear Robert,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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604 Wilson Avenue
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715-235-9081
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August 18, 2023

Jim Reams
941 Pup Circle
Hudson, WI 54016

Dear Jim,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
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August 18, 2023

Brenda Larson
891-B Fraser Lane
Hudson, WI 54016

Dear Brenda,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
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August 18, 2023

Charlie & Kandace Stephenson
817 Dove Court
Hudson, WI 54016

Dear Charlie & Kandace,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 18, 2023

Dave Corrin
813 Hillside Trail
Hudson, WI 54016

Dear Dave,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
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715-235-9081
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August 18, 2023

Lance & Darlene Wendlandt
816 Dove Court
Hudson, WI 54016

Dear Lance & Darlene,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
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August 18, 2023

Anthony & Jackie Beaudry
758 McCutcheon Road
Hudson, WI 54016

Dear Anthony & Jackie,

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604 Wilson Avenue
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August 18, 2023

Julie Johnson
960 Fraser Lane
Hudson, WI 54016

Dear Julie,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 18, 2023

John & Jean Hutchison
826 Hillside Trail
Hudson, WI 54016

Dear John & Jean,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

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715-235-9081
www.cedarcorp.com

August 18, 2023

Steve Citro
809 Hillside Trail
Hudson, WI 54016

Dear Steve,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

Please contact me, Renee Sletten, at your convenience to schedule a time to have your water sampled within the next few weeks. I can be reached in the office at (715) 235-9081 or by email renee.sletten@cedarcorp.com.

For any questions you may have, please contact myself or Candace Sykora at the Wisconsin Department of Natural Resources at (715) 928-0452 or by email at candace.sykora@wisconsin.gov.

Thank you in advance for your cooperation.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 18, 2023

Joe Starkey
783 McCutcheon Road
Hudson, WI 54016

Dear Joe,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

Please contact me, Renee Sletten, at your convenience to schedule a time to have your water sampled within the next few weeks. I can be reached in the office at (715) 235-9081 or by email renee.sletten@cedarcorp.com.

For any questions you may have, please contact myself or Candace Sykora at the Wisconsin Department of Natural Resources at (715) 928-0452 or by email at candace.sykora@wisconsin.gov.

Thank you in advance for your cooperation.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 18, 2023

Pete & Janine Wilde
887 Young Road
Hudson, WI 54016

Dear Pete & Janine,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

Please contact me, Renee Sletten, at your convenience to schedule a time to have your water sampled within the next few weeks. I can be reached in the office at (715) 235-9081 or by email renee.sletten@cedarcorp.com.

For any questions you may have, please contact myself or Candace Sykora at the Wisconsin Department of Natural Resources at (715) 928-0452 or by email at candace.sykora@wisconsin.gov.

Thank you in advance for your cooperation.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Cedar CORPORATION

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

August 18, 2023

Todd & Darcy Carlson
957 Sadie's Lane
Hudson, WI 54016

Dear Todd & Darcy,

According to our records, the drinking water at your residence is overdue for sampling. This is part of the ongoing sampling requirements regarding the Junker Landfill Remediation Trust. It is important to sample accordingly to ensure drinking water quality meets the State of Wisconsin safe drinking water standards. The water sample will be analyzed for volatile organic compounds (VOCs); this does not include analyses for bacteria or nitrates. Sampling and lab analysis are at no cost to you.

Please contact me, Renee Sletten, at your convenience to schedule a time to have your water sampled within the next few weeks. I can be reached in the office at (715) 235-9081 or by email renee.sletten@cedarcorp.com.

For any questions you may have, please contact myself or Candace Sykora at the Wisconsin Department of Natural Resources at (715) 928-0452 or by email at candace.sykora@wisconsin.gov.

Thank you in advance for your cooperation.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

LABORATORY ANALYTICAL REPORTS – PRIVATE WATER SUPPLY WELLS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 1/16/2023 9:51:36 AM

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-227634-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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1/16/2023 9:51:36 AM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Job ID: 500-227634-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-227634-1

Comments
No additional comments.

Receipt
The samples were received on 1/5/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.0º C.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) for analytical batch 500-692763 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 500-692763 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 767 McCutcheon Rd Raw (500-227634-1), 867 Yellowstone Trl Raw (500-227634-2), 867 Yellowstone Trl DW (500-227634-3) and 886 Hillside Trl Raw (500-227634-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 767 McCutcheon Rd Raw — Lab Sample ID: 500-227634-1

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 867 Yellowstone Trl Raw — Lab Sample ID: 500-227634-2

No Detections.

Client Sample ID: 867 Yellowstone Trl DW — Lab Sample ID: 500-227634-3

No Detections.

Client Sample ID: 886 Hillside Trl Raw — Lab Sample ID: 500-227634-4

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.94		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-227634-1	767 McCutcheon Rd Raw	Water	01/03/23 08:40	01/05/23 09:30
500-227634-2	867 Yellowstone Trl Raw	Water	01/03/23 08:50	01/05/23 09:30
500-227634-3	867 Yellowstone Trl DW	Water	01/03/23 08:55	01/05/23 09:30
500-227634-4	886 Hillside Trl Raw	Water	01/03/23 09:10	01/05/23 09:30

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 767 McCutcheon Rd Raw
Date Collected: 01/03/23 08:40
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 15:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 15:25	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 15:25	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 15:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 15:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 15:25	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 15:25	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 15:25	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 15:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 15:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 15:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 15:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 15:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 15:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 15:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 15:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 15:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 15:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 15:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 15:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 15:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 15:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 15:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 15:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 15:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 15:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 15:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 15:25	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 15:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 15:25	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 15:25	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 767 McCutcheon Rd Raw
Date Collected: 01/03/23 08:40
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 15:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 15:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 15:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 15:25	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			01/06/23 15:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 15:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 15:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 15:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*01/06/23 15:25*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*01/06/23 15:25*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*01/06/23 15:25*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*01/06/23 15:25*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl Raw

Date Collected: 01/03/23 08:50
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 15:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 15:49	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 15:49	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 15:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 15:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 15:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 15:49	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 15:49	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 15:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 15:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 15:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 15:49	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 15:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 15:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 15:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 15:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 15:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 15:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 15:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 15:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 15:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 15:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 15:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 15:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 15:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 15:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 15:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 15:49	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 15:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 15:49	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 15:49	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl Raw
Date Collected: 01/03/23 08:50
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 15:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 15:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 15:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 15:49	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/06/23 15:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 15:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 15:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 15:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*01/06/23 15:49*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*01/06/23 15:49*	*1*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*01/06/23 15:49*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*01/06/23 15:49*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl DW

Date Collected: 01/03/23 08:55
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 16:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 16:13	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 16:13	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 16:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 16:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 16:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 16:13	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 16:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 16:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 16:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 16:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 16:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 16:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 16:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 16:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 16:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 16:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 16:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 16:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 16:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 16:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 16:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 16:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 16:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 16:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 16:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 16:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 16:13	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 16:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 16:13	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 16:13	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl DW
Date Collected: 01/03/23 08:55
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 16:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 16:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 16:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 16:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/06/23 16:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 16:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 16:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 16:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*01/06/23 16:13*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*01/06/23 16:13*	*1*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*01/06/23 16:13*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*01/06/23 16:13*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 886 Hillside Trl Raw
Date Collected: 01/03/23 09:10
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 16:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 16:37	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 16:37	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 16:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 16:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 16:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 16:37	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 16:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 16:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 16:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 16:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 16:37	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 16:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 16:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 16:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 16:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 16:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 16:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 16:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 16:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 16:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 16:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 16:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 16:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 16:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 16:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 16:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 16:37	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 16:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 16:37	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 16:37	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 886 Hillside Trl Raw
Date Collected: 01/03/23 09:10
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 16:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 16:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 16:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 16:37	1
Trichloroethene	**0.94**		0.50	0.16	ug/L			01/06/23 16:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 16:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 16:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 16:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*01/06/23 16:37*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*01/06/23 16:37*	*1*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*01/06/23 16:37*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*01/06/23 16:37*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

GC/MS VOA

Analysis Batch: 692763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-227634-1	767 McCutcheon Rd Raw	Total/NA	Water	8260B	
500-227634-2	867 Yellowstone Trl Raw	Total/NA	Water	8260B	
500-227634-3	867 Yellowstone Trl DW	Total/NA	Water	8260B	
500-227634-4	886 Hillside Trl Raw	Total/NA	Water	8260B	
MB 500-692763/7	Method Blank	Total/NA	Water	8260B	
LCS 500-692763/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-126)	(75-120)	(72-124)	(75-120)
500-227634-1	767 McCutcheon Rd Raw	100	97	110	99
500-227634-2	867 Yellowstone Trl Raw	99	97	113	99
500-227634-3	867 Yellowstone Trl DW	98	96	108	100
500-227634-4	886 Hillside Trl Raw	97	96	110	101
LCS 500-692763/5	Lab Control Sample	92	98	103	97
MB 500-692763/7	Method Blank	94	96	105	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-692763/7
Matrix: Water
Analysis Batch: 692763

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 12:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 12:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 12:13	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 12:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/06/23 12:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 12:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 12:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 12:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 12:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 12:13	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 12:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 12:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 12:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 12:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 12:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 12:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 12:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 12:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 12:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 12:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 12:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 12:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 12:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 12:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 12:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 12:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 12:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 12:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 12:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 12:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 12:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 12:13	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 12:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 12:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 12:13	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-692763/7
Matrix: Water
Analysis Batch: 692763

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 12:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 12:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 12:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 12:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 12:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/06/23 12:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 12:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 12:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 12:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 12:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*01/06/23 12:13*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*01/06/23 12:13*	*1*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*01/06/23 12:13*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*01/06/23 12:13*	*1*

Lab Sample ID: LCS 500-692763/5
Matrix: Water
Analysis Batch: 692763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	47.8		ug/L		96	70 - 120
Bromobenzene	50.0	47.4		ug/L		95	70 - 122
Bromochloromethane	50.0	46.4		ug/L		93	65 - 122
Bromodichloromethane	50.0	52.0		ug/L		104	69 - 120
Bromoform	50.0	57.2		ug/L		114	56 - 132
Bromomethane	50.0	81.4	*	ug/L		163	40 - 152
n-Butylbenzene	50.0	52.1		ug/L		104	68 - 125
sec-Butylbenzene	50.0	50.6		ug/L		101	70 - 123
tert-Butylbenzene	50.0	49.0		ug/L		98	70 - 121
Carbon tetrachloride	50.0	52.7		ug/L		105	59 - 133
Chlorobenzene	50.0	48.8		ug/L		98	70 - 120
Dibromochloromethane	50.0	54.6		ug/L		109	68 - 125
Chloroethane	50.0	54.7		ug/L		109	48 - 136
Chloroform	50.0	47.6		ug/L		95	70 - 120
Chloromethane	50.0	37.5		ug/L		75	56 - 152
2-Chlorotoluene	50.0	50.1		ug/L		100	70 - 125
4-Chlorotoluene	50.0	51.9		ug/L		104	68 - 124
1,2-Dibromo-3-Chloropropane	50.0	50.1		ug/L		100	56 - 123
1,2-Dibromoethane (EDB)	50.0	47.0		ug/L		94	70 - 125
Dibromomethane	50.0	48.8		ug/L		98	70 - 120
1,2-Dichlorobenzene	50.0	46.7		ug/L		93	70 - 125
1,3-Dichlorobenzene	50.0	46.7		ug/L		93	70 - 125
1,4-Dichlorobenzene	50.0	46.8		ug/L		94	70 - 120
Dichlorodifluoromethane	50.0	40.6		ug/L		81	40 - 159

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-692763/5
Matrix: Water
Analysis Batch: 692763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	50.0	46.4		ug/L		93	70 - 125
1,2-Dichloroethane	50.0	47.2		ug/L		94	68 - 127
1,1-Dichloroethene	50.0	48.2		ug/L		96	67 - 122
cis-1,2-Dichloroethene	50.0	48.7		ug/L		97	70 - 125
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	70 - 125
1,2-Dichloropropane	50.0	45.5		ug/L		91	67 - 130
1,3-Dichloropropane	50.0	49.6		ug/L		99	62 - 136
2,2-Dichloropropane	50.0	58.4		ug/L		117	58 - 139
1,1-Dichloropropene	50.0	48.9		ug/L		98	70 - 121
cis-1,3-Dichloropropene	50.0	48.1		ug/L		96	64 - 127
trans-1,3-Dichloropropene	50.0	50.4		ug/L		101	62 - 128
Ethylbenzene	50.0	49.9		ug/L		100	70 - 123
Hexachlorobutadiene	50.0	35.9		ug/L		72	51 - 150
Isopropylbenzene	50.0	49.7		ug/L		99	70 - 126
p-Isopropyltoluene	50.0	51.0		ug/L		102	70 - 125
Methylene Chloride	50.0	47.9		ug/L		96	69 - 125
Methyl tert-butyl ether	50.0	46.5		ug/L		93	55 - 123
Naphthalene	50.0	40.2		ug/L		80	53 - 144
N-Propylbenzene	50.0	52.0		ug/L		104	69 - 127
Styrene	50.0	53.3		ug/L		107	70 - 120
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/L		96	70 - 125
1,1,2,2-Tetrachloroethane	50.0	50.5		ug/L		101	62 - 140
Tetrachloroethene	50.0	44.9		ug/L		90	70 - 128
Toluene	50.0	50.8		ug/L		102	70 - 125
1,2,3-Trichlorobenzene	50.0	36.0		ug/L		72	51 - 145
1,2,4-Trichlorobenzene	50.0	40.3		ug/L		81	57 - 137
1,1,1-Trichloroethane	50.0	49.1		ug/L		98	70 - 125
1,1,2-Trichloroethane	50.0	47.9		ug/L		96	71 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	50.7		ug/L		101	55 - 128
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	50 - 133
1,2,4-Trimethylbenzene	50.0	51.7		ug/L		103	70 - 123
1,3,5-Trimethylbenzene	50.0	51.2		ug/L		102	70 - 123
Vinyl chloride	50.0	49.9		ug/L		100	64 - 126
Xylenes, Total	100	103		ug/L		103	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 767 McCutcheon Rd Raw
Lab Sample ID: 500-227634-1
Date Collected: 01/03/23 08:40
Matrix: Water
Date Received: 01/05/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	692763	W1T	EET CHI	01/06/23 15:25

Client Sample ID: 867 Yellowstone Trl Raw
Lab Sample ID: 500-227634-2
Date Collected: 01/03/23 08:50
Matrix: Water
Date Received: 01/05/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	692763	W1T	EET CHI	01/06/23 15:49

Client Sample ID: 867 Yellowstone Trl DW
Lab Sample ID: 500-227634-3
Date Collected: 01/03/23 08:55
Matrix: Water
Date Received: 01/05/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	692763	W1T	EET CHI	01/06/23 16:13

Client Sample ID: 886 Hillside Trl Raw
Lab Sample ID: 500-227634-4
Date Collected: 01/03/23 09:10
Matrix: Water
Date Received: 01/05/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	692763	W1T	EET CHI	01/06/23 16:37

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-227634-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

500-227634 COC

Client Information	Sampler: RMS	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	Job #: 500-227634
Client Contact: Mitch Evenson	Phone: 715-235-9081	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin:	
Company: Cedar Corporation	PWSID:			
Address: 604 Wilson Avenue	Due Date Requested:			
City: Menomonie	TAT Requested (days):			
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: mitch evenson@cedarcorp com	WO #:			
Project Name: Junker LF Residentials	Project #: 50006556			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I ce, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs	Total Number of containers	Special Instructions/Note
	Preservation Code:									
1	767 Mccutcheon Rd Raw	1/3/23	0840	G	W			X		
2	867 Yellowstone Tri Raw		0850					X		
3	867 Yellowstone Tri DW		0855					X		
4	886 Hillside Tri Raw		0910					X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company		Date/Time	Company
Relinquished by	1/4/23 0810	Cedar Corp	Received by	1-5-23 0930	
Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks: 1.5 - 1.0

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-227634-1

Login Number: 227634
List Number: 1
Creator: James, Jeff A

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 1/16/2023 2:01:55 PM Revision 1

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-227634-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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1/16/2023 2:01:55 PM
Revision 1

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Job ID: 500-227634-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-227634-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 1/16/2023. The report (revision 1) is being revised due to: Incorrect project used for login. Analyte list updated..

Receipt
The samples were received on 1/5/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.0º C.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) and continuing calibration verification (CCVIS) for analytical batch 500-692763 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS/CCVIS and were not detected in the associated samples; therefore, the data have been reported.767 McCutcheon Rd Raw (500-227634-1), 867 Yellowstone Trl Raw (500-227634-2), 867 Yellowstone Trl DW (500-227634-3) and 886 Hillside Trl Raw (500-227634-4)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 767 McCutcheon Rd Raw — Lab Sample ID: 500-227634-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.6	J B	10	1.7	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 867 Yellowstone Trl Raw — Lab Sample ID: 500-227634-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.9	J B	10	1.7	ug/L	1		8260B	Total/NA

Client Sample ID: 867 Yellowstone Trl DW — Lab Sample ID: 500-227634-3

No Detections.

Client Sample ID: 886 Hillside Trl Raw — Lab Sample ID: 500-227634-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.94		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-227634-1	767 McCutcheon Rd Raw	Water	01/03/23 08:40	01/05/23 09:30
500-227634-2	867 Yellowstone Trl Raw	Water	01/03/23 08:50	01/05/23 09:30
500-227634-3	867 Yellowstone Trl DW	Water	01/03/23 08:55	01/05/23 09:30
500-227634-4	886 Hillside Trl Raw	Water	01/03/23 09:10	01/05/23 09:30

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 767 McCutcheon Rd Raw
Date Collected: 01/03/23 08:40
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.6**	**J B**	10	1.7	ug/L			01/06/23 15:25	1
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 15:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 15:25	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 15:25	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 15:25	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/06/23 15:25	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/06/23 15:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 15:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 15:25	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 15:25	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 15:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 15:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 15:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 15:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 15:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 15:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 15:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 15:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 15:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 15:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 15:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 15:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 15:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 15:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 15:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 15:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 15:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 15:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 15:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 15:25	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 15:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 15:25	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 767 McCutcheon Rd Raw
Date Collected: 01/03/23 08:40
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/06/23 15:25	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 15:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 15:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 15:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 15:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 15:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 15:25	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			01/06/23 15:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 15:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 15:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 15:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*01/06/23 15:25*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*01/06/23 15:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*01/06/23 15:25*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*01/06/23 15:25*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl Raw

Date Collected: 01/03/23 08:50
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.9**	**J B**	10	1.7	ug/L			01/06/23 15:49	1
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 15:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 15:49	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 15:49	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 15:49	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/06/23 15:49	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/06/23 15:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 15:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 15:49	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 15:49	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 15:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 15:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 15:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 15:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 15:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 15:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 15:49	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 15:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 15:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 15:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 15:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 15:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 15:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 15:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 15:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 15:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 15:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 15:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 15:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 15:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 15:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 15:49	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl Raw
Date Collected: 01/03/23 08:50
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/06/23 15:49	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 15:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 15:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 15:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 15:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 15:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 15:49	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/06/23 15:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 15:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 15:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 15:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*01/06/23 15:49*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*01/06/23 15:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*01/06/23 15:49*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*01/06/23 15:49*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl DW

Date Collected: 01/03/23 08:55
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			01/06/23 16:13	1
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 16:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 16:13	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 16:13	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 16:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/06/23 16:13	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/06/23 16:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 16:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 16:13	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 16:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 16:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 16:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 16:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 16:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 16:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 16:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 16:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 16:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 16:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 16:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 16:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 16:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 16:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 16:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 16:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 16:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 16:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 16:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 16:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 16:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 16:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 16:13	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl DW
Date Collected: 01/03/23 08:55
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/06/23 16:13	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 16:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 16:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 16:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 16:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 16:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 16:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/06/23 16:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 16:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 16:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 16:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*01/06/23 16:13*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*01/06/23 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*01/06/23 16:13*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*01/06/23 16:13*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 886 Hillside Trl Raw
Date Collected: 01/03/23 09:10
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			01/06/23 16:37	1
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 16:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 16:37	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 16:37	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 16:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/06/23 16:37	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/06/23 16:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 16:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 16:37	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 16:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 16:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 16:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 16:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 16:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 16:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 16:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 16:37	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 16:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 16:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 16:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 16:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 16:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 16:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 16:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 16:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 16:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 16:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 16:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 16:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 16:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 16:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 16:37	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 886 Hillside Trl Raw
Date Collected: 01/03/23 09:10
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/06/23 16:37	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 16:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 16:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 16:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 16:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 16:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 16:37	1
Trichloroethene	**0.94**		0.50	0.16	ug/L			01/06/23 16:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 16:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 16:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 16:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*01/06/23 16:37*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*01/06/23 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*01/06/23 16:37*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*01/06/23 16:37*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

GC/MS VOA

Analysis Batch: 692763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-227634-1	767 McCutcheon Rd Raw	Total/NA	Water	8260B	
500-227634-2	867 Yellowstone Trl Raw	Total/NA	Water	8260B	
500-227634-3	867 Yellowstone Trl DW	Total/NA	Water	8260B	
500-227634-4	886 Hillside Trl Raw	Total/NA	Water	8260B	
MB 500-692763/7	Method Blank	Total/NA	Water	8260B	
LCS 500-692763/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-227634-1	767 McCutcheon Rd Raw	110	99	100	97
500-227634-2	867 Yellowstone Trl Raw	113	99	99	97
500-227634-3	867 Yellowstone Trl DW	108	100	98	96
500-227634-4	886 Hillside Trl Raw	110	101	97	96
LCS 500-692763/5	Lab Control Sample	103	97	92	98
MB 500-692763/7	Method Blank	105	96	94	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-692763/7
Matrix: Water
Analysis Batch: 692763

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.88	J	10	1.7	ug/L			01/06/23 12:13	1
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 12:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 12:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 12:13	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 12:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/06/23 12:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/06/23 12:13	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/06/23 12:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 12:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 12:13	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 12:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 12:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 12:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 12:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 12:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 12:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 12:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 12:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 12:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 12:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 12:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 12:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 12:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 12:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 12:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 12:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 12:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 12:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 12:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 12:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 12:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 12:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 12:13	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 12:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 12:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 12:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 12:13	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-692763/7
Matrix: Water
Analysis Batch: 692763

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 12:13	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/06/23 12:13	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 12:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 12:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 12:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 12:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 12:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 12:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/06/23 12:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 12:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 12:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 12:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 12:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 12:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*01/06/23 12:13*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*01/06/23 12:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*01/06/23 12:13*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*01/06/23 12:13*	*1*

Lab Sample ID: LCS 500-692763/5
Matrix: Water
Analysis Batch: 692763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	52.3		ug/L		105	40 - 143
Benzene	50.0	47.8		ug/L		96	70 - 120
Bromobenzene	50.0	47.4		ug/L		95	70 - 122
Bromochloromethane	50.0	46.4		ug/L		93	65 - 122
Bromodichloromethane	50.0	52.0		ug/L		104	69 - 120
Bromoform	50.0	57.2		ug/L		114	56 - 132
Bromomethane	50.0	81.4	*	ug/L		163	40 - 152
2-Butanone (MEK)	50.0	38.2		ug/L		76	46 - 144
Carbon disulfide	50.0	51.6		ug/L		103	66 - 120
Carbon tetrachloride	50.0	52.7		ug/L		105	59 - 133
Chlorobenzene	50.0	48.8		ug/L		98	70 - 120
Chloroethane	50.0	54.7		ug/L		109	48 - 136
Chloroform	50.0	47.6		ug/L		95	70 - 120
Chloromethane	50.0	37.5		ug/L		75	56 - 152
2-Chlorotoluene	50.0	50.1		ug/L		100	70 - 125
4-Chlorotoluene	50.0	51.9		ug/L		104	68 - 124
cis-1,2-Dichloroethene	50.0	48.7		ug/L		97	70 - 125
cis-1,3-Dichloropropene	50.0	48.1		ug/L		96	64 - 127
Dibromochloromethane	50.0	54.6		ug/L		109	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	50.1		ug/L		100	56 - 123

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-692763/5
Matrix: Water
Analysis Batch: 692763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	50.0	47.0		ug/L		94	70 - 125
Dibromomethane	50.0	48.8		ug/L		98	70 - 120
1,2-Dichlorobenzene	50.0	46.7		ug/L		93	70 - 125
1,3-Dichlorobenzene	50.0	46.7		ug/L		93	70 - 125
1,4-Dichlorobenzene	50.0	46.8		ug/L		94	70 - 120
Dichlorodifluoromethane	50.0	40.6		ug/L		81	40 - 159
1,1-Dichloroethane	50.0	46.4		ug/L		93	70 - 125
1,2-Dichloroethane	50.0	47.2		ug/L		94	68 - 127
1,1-Dichloroethene	50.0	48.2		ug/L		96	67 - 122
1,2-Dichloropropane	50.0	45.5		ug/L		91	67 - 130
1,3-Dichloropropane	50.0	49.6		ug/L		99	62 - 136
2,2-Dichloropropane	50.0	58.4		ug/L		117	58 - 139
1,1-Dichloropropene	50.0	48.9		ug/L		98	70 - 121
Ethylbenzene	50.0	49.9		ug/L		100	70 - 123
Hexachlorobutadiene	50.0	35.9		ug/L		72	51 - 150
Isopropylbenzene	50.0	49.7		ug/L		99	70 - 126
Methylene Chloride	50.0	47.9		ug/L		96	69 - 125
Methyl tert-butyl ether	50.0	46.5		ug/L		93	55 - 123
Naphthalene	50.0	40.2		ug/L		80	53 - 144
n-Butylbenzene	50.0	52.1		ug/L		104	68 - 125
N-Propylbenzene	50.0	52.0		ug/L		104	69 - 127
p-Isopropyltoluene	50.0	51.0		ug/L		102	70 - 125
sec-Butylbenzene	50.0	50.6		ug/L		101	70 - 123
Styrene	50.0	53.3		ug/L		107	70 - 120
tert-Butylbenzene	50.0	49.0		ug/L		98	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/L		96	70 - 125
1,1,2,2-Tetrachloroethane	50.0	50.5		ug/L		101	62 - 140
Tetrachloroethene	50.0	44.9		ug/L		90	70 - 128
Tetrahydrofuran	100	64.7		ug/L		65	59 - 139
Toluene	50.0	50.8		ug/L		102	70 - 125
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	70 - 125
trans-1,3-Dichloropropene	50.0	50.4		ug/L		101	62 - 128
1,2,3-Trichlorobenzene	50.0	36.0		ug/L		72	51 - 145
1,2,4-Trichlorobenzene	50.0	40.3		ug/L		81	57 - 137
1,1,1-Trichloroethane	50.0	49.1		ug/L		98	70 - 125
1,1,2-Trichloroethane	50.0	47.9		ug/L		96	71 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	50.7		ug/L		101	55 - 128
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	50 - 133
1,2,4-Trimethylbenzene	50.0	51.7		ug/L		103	70 - 123
1,3,5-Trimethylbenzene	50.0	51.2		ug/L		102	70 - 123
Vinyl chloride	50.0	49.9		ug/L		100	64 - 126
Xylenes, Total	100	103		ug/L		103	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-692763/5
Matrix: Water
Analysis Batch: 692763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 767 McCutcheon Rd Raw
Lab Sample ID: 500-227634-1
Date Collected: 01/03/23 08:40
Matrix: Water
Date Received: 01/05/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	692763	W1T	EET CHI	01/06/23 15:25

Client Sample ID: 867 Yellowstone Trl Raw
Lab Sample ID: 500-227634-2
Date Collected: 01/03/23 08:50
Matrix: Water
Date Received: 01/05/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	692763	W1T	EET CHI	01/06/23 15:49

Client Sample ID: 867 Yellowstone Trl DW
Lab Sample ID: 500-227634-3
Date Collected: 01/03/23 08:55
Matrix: Water
Date Received: 01/05/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	692763	W1T	EET CHI	01/06/23 16:13

Client Sample ID: 886 Hillside Trl Raw
Lab Sample ID: 500-227634-4
Date Collected: 01/03/23 09:10
Matrix: Water
Date Received: 01/05/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	692763	W1T	EET CHI	01/06/23 16:37

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-227634-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

500-227634 COC

Client Information	Sampler: RMS	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	Job #: 500-227634
Client Contact: Mitch Evenson	Phone: 715-235-9081	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin:	
Company: Cedar Corporation	PWSID:			
Address: 604 Wilson Avenue	Due Date Requested:			
City: Menomonie	TAT Requested (days):			
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: mitch evenson@cedarcorp com	WO #:			
Project Name: Junker LF Residentials	Project #: 50006556			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I ce, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs	Total Number of containers	Special Instructions/Note
	Preservation Code:									
1	767 Mccutcheon Rd Raw	1/3/23	0840	G	W			X		
2	867 Yellowstone Tri Raw		0850					X		
3	867 Yellowstone Tri DW		0855					X		
4	886 Hillside Tri Raw		0910					X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company		Date/Time	Company
Relinquished by	1/4/23 0810	Cedar Corp	Received by	1-5-23 0930	
Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks: 1.5 - 1.0

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-227634-1

Login Number: 227634
List Number: 1
Creator: James, Jeff A

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 2/7/2023 9:39:58 AM

JOB DESCRIPTION

Junker LF - 01972

JOB NUMBER

500-228515-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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2/7/2023 9:39:58 AM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Job ID: 500-228515-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-228515-1

Receipt
The samples were received on 1/24/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7º C.

GC/MS VOA
Method 8260B: Reanalysis of the following sample(s) was performed outside of the analytical holding. Original sample run appeared contaminated, and the sample was reanalzyed after hold time expired. The compounds with the suspected contamination are being reported with an H flag.888 E. Hwy 12 Raw (500-228515-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Client Sample ID: 888 E. Hwy 12 Raw — Lab Sample ID: 500-228515-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	3.1		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 787 Holden Ln Raw — Lab Sample ID: 500-228515-2

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-228515-1	888 E. Hwy 12 Raw	Water	01/18/23 08:35	01/24/23 09:30
500-228515-2	787 Holden Ln Raw	Water	01/18/23 08:50	01/24/23 09:30

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Client Sample ID: 888 E. Hwy 12 Raw

Date Collected: 01/18/23 08:35
Date Received: 01/24/23 09:30

Lab Sample ID: 500-228515-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			01/25/23 13:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/25/23 13:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/25/23 13:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/25/23 13:09	1
Bromoform	<0.48		1.0	0.48	ug/L			01/25/23 13:09	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/25/23 13:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/25/23 13:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/25/23 13:09	1
Chloroform	<0.37		2.0	0.37	ug/L			01/25/23 13:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/25/23 13:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/25/23 13:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/25/23 13:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/25/23 13:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/25/23 13:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/25/23 13:09	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/25/23 13:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/25/23 13:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/25/23 13:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/25/23 13:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/25/23 13:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/25/23 13:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/25/23 13:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/25/23 13:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/25/23 13:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/25/23 13:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/25/23 13:09	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/25/23 13:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/25/23 13:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/25/23 13:09	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/25/23 13:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/25/23 13:09	1
Styrene	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/25/23 13:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/25/23 13:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/25/23 13:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/25/23 13:09	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/25/23 13:09	1
Toluene	<0.15		0.50	0.15	ug/L			01/25/23 13:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/25/23 13:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/25/23 13:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/25/23 13:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/25/23 13:09	1

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Client Sample ID: 888 E. Hwy 12 Raw

Date Collected: 01/18/23 08:35
Date Received: 01/24/23 09:30

Lab Sample ID: 500-228515-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**3.1**		0.50	0.16	ug/L			01/25/23 13:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/25/23 13:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/25/23 13:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/25/23 13:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/25/23 13:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/25/23 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*01/25/23 13:09*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*01/25/23 13:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*01/25/23 13:09*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*01/25/23 13:09*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15	H	0.50	0.15	ug/L			02/03/23 12:34	1
Hexachlorobutadiene	<0.45	H	1.0	0.45	ug/L			02/03/23 12:34	1
1,3-Dichlorobenzene	<0.40	H	1.0	0.40	ug/L			02/03/23 12:34	1
Naphthalene	<0.34	H	1.0	0.34	ug/L			02/03/23 12:34	1
1,2-Dichlorobenzene	<0.33	H	1.0	0.33	ug/L			02/03/23 12:34	1
1,4-Dichlorobenzene	<0.36	H	1.0	0.36	ug/L			02/03/23 12:34	1
1,2,3-Trichlorobenzene	<0.46	H	1.0	0.46	ug/L			02/03/23 12:34	1
1,2,4-Trichlorobenzene	<0.34	H	1.0	0.34	ug/L			02/03/23 12:34	1
Xylenes, Total	<0.22	H	1.0	0.22	ug/L			02/03/23 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*02/03/23 12:34*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*02/03/23 12:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*02/03/23 12:34*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*02/03/23 12:34*	*1*

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Client Sample ID: 787 Holden Ln Raw
Date Collected: 01/18/23 08:50
Date Received: 01/24/23 09:30

Lab Sample ID: 500-228515-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			01/25/23 13:32	1
Benzene	<0.15		0.50	0.15	ug/L			01/25/23 13:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/25/23 13:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/25/23 13:32	1
Bromoform	<0.48		1.0	0.48	ug/L			01/25/23 13:32	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/25/23 13:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/25/23 13:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/25/23 13:32	1
Chloroform	<0.37		2.0	0.37	ug/L			01/25/23 13:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/25/23 13:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/25/23 13:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/25/23 13:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/25/23 13:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/25/23 13:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/25/23 13:32	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/25/23 13:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/25/23 13:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/25/23 13:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/25/23 13:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/25/23 13:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/25/23 13:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/25/23 13:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/25/23 13:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/25/23 13:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/25/23 13:32	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/25/23 13:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/25/23 13:32	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/25/23 13:32	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/25/23 13:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/25/23 13:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/25/23 13:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/25/23 13:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/25/23 13:32	1
Styrene	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/25/23 13:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/25/23 13:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/25/23 13:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/25/23 13:32	1

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Client Sample ID: 787 Holden Ln Raw
Date Collected: 01/18/23 08:50
Date Received: 01/24/23 09:30

Lab Sample ID: 500-228515-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/25/23 13:32	1
Toluene	<0.15		0.50	0.15	ug/L			01/25/23 13:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/25/23 13:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/25/23 13:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/25/23 13:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/25/23 13:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/25/23 13:32	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/25/23 13:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/25/23 13:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/25/23 13:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/25/23 13:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/25/23 13:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/25/23 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*01/25/23 13:32*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*01/25/23 13:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*01/25/23 13:32*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*01/25/23 13:32*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

GC/MS VOA

Analysis Batch: 695524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-228515-1	888 E. Hwy 12 Raw	Total/NA	Water	8260B	
500-228515-2	787 Holden Ln Raw	Total/NA	Water	8260B	
MB 500-695524/8	Method Blank	Total/NA	Water	8260B	
LCS 500-695524/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 697062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-228515-1 - RA	888 E. Hwy 12 Raw	Total/NA	Water	8260B	
MB 500-697062/7	Method Blank	Total/NA	Water	8260B	
LCS 500-697062/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-228515-1	888 E. Hwy 12 Raw	91	103	104	101
500-228515-1 - RA	888 E. Hwy 12 Raw	107	94	107	105
500-228515-2	787 Holden Ln Raw	89	104	105	100
LCS 500-695524/5	Lab Control Sample	90	98	97	103
LCS 500-697062/5	Lab Control Sample	103	95	104	105
MB 500-695524/8	Method Blank	90	105	104	101
MB 500-697062/7	Method Blank	114	93	104	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-695524/8
Matrix: Water
Analysis Batch: 695524

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			01/25/23 12:46	1
Benzene	<0.15		0.50	0.15	ug/L			01/25/23 12:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/25/23 12:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/25/23 12:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/25/23 12:46	1
Bromoform	<0.48		1.0	0.48	ug/L			01/25/23 12:46	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/25/23 12:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/25/23 12:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/25/23 12:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/25/23 12:46	1
Chloroform	<0.37		2.0	0.37	ug/L			01/25/23 12:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/25/23 12:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/25/23 12:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/25/23 12:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/25/23 12:46	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/25/23 12:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/25/23 12:46	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/25/23 12:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/25/23 12:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/25/23 12:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/25/23 12:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/25/23 12:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/25/23 12:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/25/23 12:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/25/23 12:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/25/23 12:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/25/23 12:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/25/23 12:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/25/23 12:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/25/23 12:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/25/23 12:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/25/23 12:46	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/25/23 12:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/25/23 12:46	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/25/23 12:46	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/25/23 12:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/25/23 12:46	1
Naphthalene	0.520	J	1.0	0.34	ug/L			01/25/23 12:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/25/23 12:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/25/23 12:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/25/23 12:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/25/23 12:46	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/25/23 12:46	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/25/23 12:46	1
Styrene	<0.39		1.0	0.39	ug/L			01/25/23 12:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/25/23 12:46	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/25/23 12:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/25/23 12:46	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-695524/8
Matrix: Water
Analysis Batch: 695524

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/25/23 12:46	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/25/23 12:46	1
Toluene	<0.15		0.50	0.15	ug/L			01/25/23 12:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/25/23 12:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/25/23 12:46	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/25/23 12:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/25/23 12:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/25/23 12:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/25/23 12:46	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/25/23 12:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/25/23 12:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/25/23 12:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/25/23 12:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/25/23 12:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/25/23 12:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/25/23 12:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*01/25/23 12:46*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*01/25/23 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*01/25/23 12:46*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*01/25/23 12:46*	*1*

Lab Sample ID: LCS 500-695524/5
Matrix: Water
Analysis Batch: 695524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	40.3		ug/L		81	40 - 143
Benzene	50.0	46.6		ug/L		93	70 - 120
Bromobenzene	50.0	44.0		ug/L		88	70 - 122
Bromochloromethane	50.0	46.6		ug/L		93	65 - 122
Bromodichloromethane	50.0	46.9		ug/L		94	69 - 120
Bromoform	50.0	48.1		ug/L		96	56 - 132
Carbon disulfide	50.0	48.5		ug/L		97	66 - 120
Carbon tetrachloride	50.0	52.7		ug/L		105	59 - 133
Chlorobenzene	50.0	47.2		ug/L		94	70 - 120
Chloroethane	50.0	60.6		ug/L		121	48 - 136
Chloroform	50.0	46.5		ug/L		93	70 - 120
2-Chlorotoluene	50.0	45.6		ug/L		91	70 - 125
4-Chlorotoluene	50.0	46.3		ug/L		93	68 - 124
cis-1,2-Dichloroethene	50.0	46.5		ug/L		93	70 - 125
cis-1,3-Dichloropropene	50.0	43.5		ug/L		87	64 - 127
Dibromochloromethane	50.0	49.1		ug/L		98	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	37.9		ug/L		76	56 - 123
1,2-Dibromoethane (EDB)	50.0	44.1		ug/L		88	70 - 125
Dichlorodifluoromethane	50.0	42.5		ug/L		85	40 - 159
1,1-Dichloroethane	50.0	47.0		ug/L		94	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-695524/5
Matrix: Water
Analysis Batch: 695524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	46.0		ug/L		92	68 - 127
1,1-Dichloroethene	50.0	49.7		ug/L		99	67 - 122
1,2-Dichloropropane	50.0	45.0		ug/L		90	67 - 130
1,3-Dichloropropane	50.0	45.8		ug/L		92	62 - 136
2,2-Dichloropropane	50.0	42.2		ug/L		84	58 - 139
1,1-Dichloropropene	50.0	47.8		ug/L		96	70 - 121
Ethylbenzene	50.0	44.6		ug/L		89	70 - 123
Hexachlorobutadiene	50.0	43.6		ug/L		87	51 - 150
Isopropylbenzene	50.0	45.3		ug/L		91	70 - 126
1,3-Dichlorobenzene	50.0	45.8		ug/L		92	70 - 125
Bromomethane	50.0	63.2		ug/L		126	40 - 152
Chloromethane	50.0	38.0		ug/L		76	56 - 152
Dibromomethane	50.0	45.9		ug/L		92	70 - 120
Methylene Chloride	50.0	48.0		ug/L		96	69 - 125
2-Butanone (MEK)	50.0	40.4		ug/L		81	46 - 144
Methyl tert-butyl ether	50.0	40.8		ug/L		82	55 - 123
Naphthalene	50.0	31.7		ug/L		63	53 - 144
n-Butylbenzene	50.0	49.7		ug/L		99	68 - 125
N-Propylbenzene	50.0	47.9		ug/L		96	69 - 127
1,2-Dichlorobenzene	50.0	45.8		ug/L		92	70 - 125
1,4-Dichlorobenzene	50.0	45.8		ug/L		92	70 - 120
4-Isopropyltoluene	50.0	46.3		ug/L		93	70 - 125
sec-Butylbenzene	50.0	48.6		ug/L		97	70 - 123
Styrene	50.0	48.4		ug/L		97	70 - 120
tert-Butylbenzene	50.0	45.5		ug/L		91	70 - 121
1,1,1,2-Tetrachloroethane	50.0	44.9		ug/L		90	70 - 125
1,1,2,2-Tetrachloroethane	50.0	43.2		ug/L		86	62 - 140
Tetrachloroethene	50.0	49.9		ug/L		100	70 - 128
Tetrahydrofuran	100	76.8		ug/L		77	59 - 139
Toluene	50.0	45.4		ug/L		91	70 - 125
trans-1,2-Dichloroethene	50.0	48.8		ug/L		98	70 - 125
trans-1,3-Dichloropropene	50.0	41.8		ug/L		84	62 - 128
1,2,3-Trichlorobenzene	50.0	34.6		ug/L		69	51 - 145
1,2,4-Trichlorobenzene	50.0	39.5		ug/L		79	57 - 137
1,1,1-Trichloroethane	50.0	49.0		ug/L		98	70 - 125
1,1,2-Trichloroethane	50.0	46.8		ug/L		94	71 - 130
Trichloroethene	50.0	45.7		ug/L		91	70 - 125
Trichlorofluoromethane	50.0	52.6		ug/L		105	55 - 128
1,2,3-Trichloropropane	50.0	42.3		ug/L		85	50 - 133
1,2,4-Trimethylbenzene	50.0	46.5		ug/L		93	70 - 123
1,3,5-Trimethylbenzene	50.0	45.7		ug/L		91	70 - 123
Vinyl chloride	50.0	42.8		ug/L		86	64 - 126
Xylenes, Total	100	95.0		ug/L		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-695524/5
Matrix: Water
Analysis Batch: 695524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	103		75 - 120

Lab Sample ID: MB 500-697062/7
Matrix: Water
Analysis Batch: 697062

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			02/03/23 12:11	1
Benzene	<0.15		0.50	0.15	ug/L			02/03/23 12:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			02/03/23 12:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/03/23 12:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/03/23 12:11	1
Bromoform	<0.48		1.0	0.48	ug/L			02/03/23 12:11	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/03/23 12:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/03/23 12:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/03/23 12:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/03/23 12:11	1
Chloroform	<0.37		2.0	0.37	ug/L			02/03/23 12:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/03/23 12:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/03/23 12:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/03/23 12:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/03/23 12:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/03/23 12:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/03/23 12:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/03/23 12:11	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/03/23 12:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/03/23 12:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/03/23 12:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/03/23 12:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/03/23 12:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/03/23 12:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/03/23 12:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/03/23 12:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/03/23 12:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/03/23 12:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/03/23 12:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/03/23 12:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/03/23 12:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/03/23 12:11	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/03/23 12:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/03/23 12:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/03/23 12:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/03/23 12:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/03/23 12:11	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/03/23 12:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/03/23 12:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/03/23 12:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/03/23 12:11	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-697062/7
Matrix: Water
Analysis Batch: 697062

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/03/23 12:11	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/03/23 12:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/03/23 12:11	1
Styrene	<0.39		1.0	0.39	ug/L			02/03/23 12:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/03/23 12:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/03/23 12:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/03/23 12:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/03/23 12:11	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/03/23 12:11	1
Toluene	<0.15		0.50	0.15	ug/L			02/03/23 12:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/03/23 12:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/03/23 12:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/03/23 12:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/03/23 12:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/03/23 12:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/03/23 12:11	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/03/23 12:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/03/23 12:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/03/23 12:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/03/23 12:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/03/23 12:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/03/23 12:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/03/23 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*02/03/23 12:11*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*02/03/23 12:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*02/03/23 12:11*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*02/03/23 12:11*	*1*

Lab Sample ID: LCS 500-697062/5
Matrix: Water
Analysis Batch: 697062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	46.8		ug/L		94	40 - 143
Benzene	50.0	51.1		ug/L		102	70 - 120
Bromobenzene	50.0	54.0		ug/L		108	70 - 122
Bromochloromethane	50.0	45.7		ug/L		91	65 - 122
Bromodichloromethane	50.0	51.2		ug/L		102	69 - 120
Bromoform	50.0	49.1		ug/L		98	56 - 132
Carbon disulfide	50.0	44.1		ug/L		88	66 - 120
Carbon tetrachloride	50.0	48.6		ug/L		97	59 - 133
Chlorobenzene	50.0	51.0		ug/L		102	70 - 120
Chloroethane	50.0	47.3		ug/L		95	48 - 136
Chloroform	50.0	48.2		ug/L		96	70 - 120
2-Chlorotoluene	50.0	50.6		ug/L		101	70 - 125
4-Chlorotoluene	50.0	52.7		ug/L		105	68 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-697062/5
Matrix: Water
Analysis Batch: 697062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	70 - 125
cis-1,3-Dichloropropene	50.0	53.4		ug/L		107	64 - 127
Dibromochloromethane	50.0	48.7		ug/L		97	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.0		ug/L		86	56 - 123
1,2-Dibromoethane (EDB)	50.0	54.7		ug/L		109	70 - 125
Dichlorodifluoromethane	50.0	40.4		ug/L		81	40 - 159
1,1-Dichloroethane	50.0	45.4		ug/L		91	70 - 125
1,2-Dichloroethane	50.0	53.0		ug/L		106	68 - 127
1,1-Dichloroethene	50.0	46.0		ug/L		92	67 - 122
1,2-Dichloropropane	50.0	48.2		ug/L		96	67 - 130
1,3-Dichloropropane	50.0	54.5		ug/L		109	62 - 136
2,2-Dichloropropane	50.0	47.3		ug/L		95	58 - 139
1,1-Dichloropropene	50.0	52.6		ug/L		105	70 - 121
Ethylbenzene	50.0	51.4		ug/L		103	70 - 123
Hexachlorobutadiene	50.0	51.7		ug/L		103	51 - 150
Isopropylbenzene	50.0	49.6		ug/L		99	70 - 126
1,3-Dichlorobenzene	50.0	53.2		ug/L		106	70 - 125
Bromomethane	50.0	53.4		ug/L		107	40 - 152
Chloromethane	50.0	34.0		ug/L		68	56 - 152
Dibromomethane	50.0	51.9		ug/L		104	70 - 120
Methylene Chloride	50.0	47.0		ug/L		94	69 - 125
2-Butanone (MEK)	50.0	40.7		ug/L		81	46 - 144
Methyl tert-butyl ether	50.0	46.9		ug/L		94	55 - 123
Naphthalene	50.0	39.1		ug/L		78	53 - 144
n-Butylbenzene	50.0	51.5		ug/L		103	68 - 125
N-Propylbenzene	50.0	51.9		ug/L		104	69 - 127
1,2-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 125
1,4-Dichlorobenzene	50.0	53.5		ug/L		107	70 - 120
4-Isopropyltoluene	50.0	48.6		ug/L		97	70 - 125
sec-Butylbenzene	50.0	49.7		ug/L		99	70 - 123
Styrene	50.0	53.4		ug/L		107	70 - 120
tert-Butylbenzene	50.0	48.7		ug/L		97	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/L		96	70 - 125
1,1,2,2-Tetrachloroethane	50.0	50.1		ug/L		100	62 - 140
Tetrachloroethene	50.0	55.7		ug/L		111	70 - 128
Tetrahydrofuran	100	78.3		ug/L		78	59 - 139
Toluene	50.0	51.9		ug/L		104	70 - 125
trans-1,2-Dichloroethene	50.0	48.0		ug/L		96	70 - 125
trans-1,3-Dichloropropene	50.0	55.4		ug/L		111	62 - 128
1,2,3-Trichlorobenzene	50.0	45.0		ug/L		90	51 - 145
1,2,4-Trichlorobenzene	50.0	47.8		ug/L		96	57 - 137
1,1,1-Trichloroethane	50.0	50.2		ug/L		100	70 - 125
1,1,2-Trichloroethane	50.0	53.2		ug/L		106	71 - 130
Trichloroethene	50.0	49.2		ug/L		98	70 - 125
Trichlorofluoromethane	50.0	42.2		ug/L		84	55 - 128
1,2,3-Trichloropropane	50.0	53.1		ug/L		106	50 - 133
1,2,4-Trimethylbenzene	50.0	49.8		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	50.0	49.6		ug/L		99	70 - 123
Vinyl chloride	50.0	48.1		ug/L		96	64 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-697062/5
Matrix: Water
Analysis Batch: 697062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			100	105		ug/L		105	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane (Surr)	*95*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
Toluene-d8 (Surr)	*105*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Client Sample ID: 888 E. Hwy 12 Raw

Lab Sample ID: 500-228515-1

Date Collected: 01/18/23 08:35

Matrix: Water

Date Received: 01/24/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B	RA	1	697062	JDD	EET CHI	02/03/23 12:34
Total/NA	Analysis	8260B		1	695524	W1T	EET CHI	01/25/23 13:09

Client Sample ID: 787 Holden Ln Raw

Lab Sample ID: 500-228515-2

Date Collected: 01/18/23 08:50

Matrix: Water

Date Received: 01/24/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	695524	W1T	EET CHI	01/25/23 13:32

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708 534-5211

Chain of Custody Record

eurofins

Client Information	Sampler RMS	Lab PM Fredrick Sandie	Carrier Tracking Nos	COC No. 500-105598-45031 1
Client Contact Orion Reutze , Mitch Evenson	Phone 715-235-9081	Mail Sand a Fredrick@et eurofinsus .om	State	Page Page 1 of 1
Company Cedar Corporat on	PWSID	Analysis Reque		Job # 500 - 228515
Address 604 Wilson Avenue	Due Date Requested		500-228515 COC	Preservation Codes
City Menomonie	TAT Requested (days)			A HC M Hexane B NaOH N None C Zn Acetate AsNa2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T SP Dodeca. yd ate I ce U Acetone J DI Water MCAA K EDTA V pH 4 L EDA W Trizma Z ther specify Other
State Zip WI 54751	Compliance Project Δ Yes Δ No			
Phone 715-235-9081(Te)	PO # Purchase Order not requ red			
Email orion reutze@cedarcorp com, Mitch.evenson@cedarcorp.com	WO #			
Project Name ~~MENOMONIE LF~~	Project # 50006557			
Site Junker LF Residentials	SSOW#			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/o BT=Tissue A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_Cl/Br/SO4/NO3/F/Nitrate/Nitrite/Amm	6010B_SM2340B	2320B_Alkalinity	8260B VOC	Total Number of containers	Special Instructions/Note
				Preservation Code:				N	D	N	A		
1	888 E Hwy 12 Raw	1/18/23	0835	G	Water						X		
2	787 Holden Ln Raw	1/18/23	0850	G	Water						X		
					Water								
					Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment
Relinquished by	Date/Time 1/23/23 0720	Company Cedar Corp	Received by Stephanie Hernandez
Relinquished by	Date/Time	Company	Received by
Relinquished by	Date/Time	Company	Received by

Received by	Date/Time 1/24/23 0930	Company EEIA		
Received by	Date/Time	Company		
Received by	Date/Time	Company		

Custody Seals Intact Yes Δ No	Custody Seal No	Cooler Temperature(s) C and Other Remarks 3.6+2.7

16Q

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-228515-1

Login Number: 228515
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

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JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-228981-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

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Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
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(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Job ID: 500-228981-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-228981-1

Comments
No additional comments.

Receipt
The samples were received on 2/3/2023 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.6º C.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) for analytical batch 500-697242 recovered outside control limits for the following analytes: Bromobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Client Sample ID: 968 Fraser Ln Raw — Lab Sample ID: 500-228981-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 668 Pine Timber Ln Raw — Lab Sample ID: 500-228981-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.65	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	2.3		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-228981-1	968 Fraser Ln Raw	Water	01/27/23 08:15	02/03/23 10:40
500-228981-2	668 Pine Timber Ln Raw	Water	01/27/23 08:45	02/03/23 10:40

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Client Sample ID: 968 Fraser Ln Raw

Date Collected: 01/27/23 08:15
Date Received: 02/03/23 10:40

Lab Sample ID: 500-228981-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			02/06/23 13:43	1
Benzene	<0.15		0.50	0.15	ug/L			02/06/23 13:43	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			02/06/23 13:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/06/23 13:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/06/23 13:43	1
Bromoform	<0.48		1.0	0.48	ug/L			02/06/23 13:43	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/06/23 13:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/06/23 13:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/06/23 13:43	1
Chloroform	<0.37		2.0	0.37	ug/L			02/06/23 13:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/06/23 13:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/06/23 13:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/06/23 13:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/06/23 13:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/06/23 13:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/06/23 13:43	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/06/23 13:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/06/23 13:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/06/23 13:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/06/23 13:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/06/23 13:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/06/23 13:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/06/23 13:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/06/23 13:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/06/23 13:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/06/23 13:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/06/23 13:43	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/06/23 13:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/06/23 13:43	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/06/23 13:43	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/06/23 13:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/06/23 13:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/06/23 13:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/06/23 13:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/06/23 13:43	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/06/23 13:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/06/23 13:43	1
Styrene	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/06/23 13:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/06/23 13:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/06/23 13:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/06/23 13:43	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Client Sample ID: 968 Fraser Ln Raw
Date Collected: 01/27/23 08:15
Date Received: 02/03/23 10:40

Lab Sample ID: 500-228981-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/06/23 13:43	1
Toluene	<0.15		0.50	0.15	ug/L			02/06/23 13:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/06/23 13:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/06/23 13:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/06/23 13:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/06/23 13:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/06/23 13:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/06/23 13:43	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			02/06/23 13:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/06/23 13:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/06/23 13:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/06/23 13:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/06/23 13:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/06/23 13:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/06/23 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*02/06/23 13:43*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*02/06/23 13:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*02/06/23 13:43*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*02/06/23 13:43*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Client Sample ID: 668 Pine Timber Ln Raw
Date Collected: 01/27/23 08:45
Date Received: 02/03/23 10:40

Lab Sample ID: 500-228981-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			02/06/23 14:09	1
Benzene	<0.15		0.50	0.15	ug/L			02/06/23 14:09	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			02/06/23 14:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/06/23 14:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/06/23 14:09	1
Bromoform	<0.48		1.0	0.48	ug/L			02/06/23 14:09	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/06/23 14:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/06/23 14:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/06/23 14:09	1
Chloroform	<0.37		2.0	0.37	ug/L			02/06/23 14:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/06/23 14:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/06/23 14:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/06/23 14:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/06/23 14:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/06/23 14:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/06/23 14:09	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/06/23 14:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/06/23 14:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/06/23 14:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/06/23 14:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/06/23 14:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/06/23 14:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/06/23 14:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/06/23 14:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/06/23 14:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/06/23 14:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/06/23 14:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/06/23 14:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/06/23 14:09	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/06/23 14:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/06/23 14:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
Naphthalene	**0.65**	**J B**	1.0	0.34	ug/L			02/06/23 14:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/06/23 14:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/06/23 14:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/06/23 14:09	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/06/23 14:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/06/23 14:09	1
Styrene	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/06/23 14:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/06/23 14:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/06/23 14:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/06/23 14:09	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Client Sample ID: 668 Pine Timber Ln Raw
Date Collected: 01/27/23 08:45
Date Received: 02/03/23 10:40

Lab Sample ID: 500-228981-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/06/23 14:09	1
Toluene	<0.15		0.50	0.15	ug/L			02/06/23 14:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/06/23 14:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/06/23 14:09	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/06/23 14:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/06/23 14:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/06/23 14:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/06/23 14:09	1
Trichloroethene	**2.3**		0.50	0.16	ug/L			02/06/23 14:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/06/23 14:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/06/23 14:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/06/23 14:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/06/23 14:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/06/23 14:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/06/23 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*02/06/23 14:09*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*02/06/23 14:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*02/06/23 14:09*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*02/06/23 14:09*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

GC/MS VOA

Analysis Batch: 697242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-228981-1	968 Fraser Ln Raw	Total/NA	Water	8260B	
500-228981-2	668 Pine Timber Ln Raw	Total/NA	Water	8260B	
MB 500-697242/7	Method Blank	Total/NA	Water	8260B	
LCS 500-697242/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-228981-1	968 Fraser Ln Raw	99	98	110	95
500-228981-2	668 Pine Timber Ln Raw	100	98	110	95
LCS 500-697242/5	Lab Control Sample	99	88	98	99
MB 500-697242/7	Method Blank	100	97	109	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-697242/7
Matrix: Water
Analysis Batch: 697242

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			02/06/23 12:24	1
Benzene	<0.15		0.50	0.15	ug/L			02/06/23 12:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			02/06/23 12:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/06/23 12:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/06/23 12:24	1
Bromoform	<0.48		1.0	0.48	ug/L			02/06/23 12:24	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/06/23 12:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/06/23 12:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/06/23 12:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/06/23 12:24	1
Chloroform	<0.37		2.0	0.37	ug/L			02/06/23 12:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/06/23 12:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/06/23 12:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/06/23 12:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/06/23 12:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/06/23 12:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/06/23 12:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/06/23 12:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/06/23 12:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/06/23 12:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/06/23 12:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/06/23 12:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/06/23 12:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/06/23 12:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/06/23 12:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/06/23 12:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/06/23 12:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/06/23 12:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/06/23 12:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/06/23 12:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/06/23 12:24	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/06/23 12:24	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/06/23 12:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/06/23 12:24	1
Methylene Chloride	1.83	J	5.0	1.6	ug/L			02/06/23 12:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/06/23 12:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/06/23 12:24	1
Naphthalene	0.768	J	1.0	0.34	ug/L			02/06/23 12:24	1
n-Butylbenzene	0.648	J	1.0	0.39	ug/L			02/06/23 12:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/06/23 12:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/06/23 12:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/06/23 12:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/06/23 12:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/06/23 12:24	1
Styrene	<0.39		1.0	0.39	ug/L			02/06/23 12:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/06/23 12:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/06/23 12:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/06/23 12:24	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-697242/7
Matrix: Water
Analysis Batch: 697242

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/06/23 12:24	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/06/23 12:24	1
Toluene	<0.15		0.50	0.15	ug/L			02/06/23 12:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/06/23 12:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/06/23 12:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/06/23 12:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/06/23 12:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/06/23 12:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/06/23 12:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/06/23 12:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/06/23 12:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/06/23 12:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/06/23 12:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/06/23 12:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/06/23 12:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/06/23 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*02/06/23 12:24*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*02/06/23 12:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*02/06/23 12:24*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*02/06/23 12:24*	*1*

Lab Sample ID: LCS 500-697242/5
Matrix: Water
Analysis Batch: 697242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	39.1		ug/L		98	40 - 143
Benzene	40.0	45.8		ug/L		114	70 - 120
Bromobenzene	40.0	51.1	*	ug/L		128	70 - 122
Bromochloromethane	40.0	44.7		ug/L		112	65 - 122
Bromodichloromethane	40.0	44.7		ug/L		112	69 - 120
Bromoform	40.0	45.2		ug/L		113	56 - 132
Carbon disulfide	40.0	38.1		ug/L		95	66 - 120
Carbon tetrachloride	40.0	38.6		ug/L		96	59 - 133
Chlorobenzene	40.0	46.8		ug/L		117	70 - 120
Chloroethane	40.0	44.6		ug/L		111	48 - 136
Chloroform	40.0	41.5		ug/L		104	70 - 120
2-Chlorotoluene	40.0	49.2		ug/L		123	70 - 125
4-Chlorotoluene	40.0	49.7		ug/L		124	68 - 124
cis-1,2-Dichloroethene	40.0	45.9		ug/L		115	70 - 125
cis-1,3-Dichloropropene	40.0	41.9		ug/L		105	64 - 127
Dibromochloromethane	40.0	46.7		ug/L		117	68 - 125
1,2-Dibromo-3-Chloropropane	40.0	39.0		ug/L		98	56 - 123
1,2-Dibromoethane (EDB)	40.0	46.2		ug/L		116	70 - 125
Dichlorodifluoromethane	40.0	37.9		ug/L		95	40 - 159
1,1-Dichloroethane	40.0	46.5		ug/L		116	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-697242/5
Matrix: Water
Analysis Batch: 697242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	40.0	50.6		ug/L		127	68 - 127
1,1-Dichloroethene	40.0	40.8		ug/L		102	67 - 122
1,2-Dichloropropane	40.0	50.2		ug/L		125	67 - 130
1,3-Dichloropropane	40.0	48.6		ug/L		122	62 - 136
2,2-Dichloropropane	40.0	40.8		ug/L		102	58 - 139
1,1-Dichloropropene	40.0	43.5		ug/L		109	70 - 121
Ethylbenzene	40.0	47.5		ug/L		119	70 - 123
Hexachlorobutadiene	40.0	42.6		ug/L		106	51 - 150
Isopropylbenzene	40.0	42.0		ug/L		105	70 - 126
1,3-Dichlorobenzene	40.0	47.2		ug/L		118	70 - 125
Bromomethane	40.0	33.7		ug/L		84	40 - 152
Chloromethane	40.0	50.4		ug/L		126	56 - 152
Dibromomethane	40.0	44.0		ug/L		110	70 - 120
Methylene Chloride	40.0	44.1		ug/L		110	69 - 125
2-Butanone (MEK)	40.0	38.9		ug/L		97	46 - 144
Methyl tert-butyl ether	40.0	42.7		ug/L		107	55 - 123
Naphthalene	40.0	34.9		ug/L		87	53 - 144
n-Butylbenzene	40.0	39.0		ug/L		98	68 - 125
N-Propylbenzene	40.0	43.0		ug/L		108	69 - 127
1,2-Dichlorobenzene	40.0	46.3		ug/L		116	70 - 125
1,4-Dichlorobenzene	40.0	45.4		ug/L		114	70 - 120
4-Isopropyltoluene	40.0	39.3		ug/L		98	70 - 125
sec-Butylbenzene	40.0	40.6		ug/L		102	70 - 123
Styrene	40.0	40.9		ug/L		102	70 - 120
tert-Butylbenzene	40.0	40.6		ug/L		102	70 - 121
1,1,1,2-Tetrachloroethane	40.0	45.4		ug/L		114	70 - 125
1,1,2,2-Tetrachloroethane	40.0	47.8		ug/L		120	62 - 140
Tetrachloroethene	40.0	47.4		ug/L		119	70 - 128
Tetrahydrofuran	80.0	81.2		ug/L		101	59 - 139
Toluene	40.0	47.8		ug/L		119	70 - 125
trans-1,2-Dichloroethene	40.0	44.6		ug/L		112	70 - 125
trans-1,3-Dichloropropene	40.0	41.8		ug/L		105	62 - 128
1,2,3-Trichlorobenzene	40.0	42.4		ug/L		106	51 - 145
1,2,4-Trichlorobenzene	40.0	41.5		ug/L		104	57 - 137
1,1,1-Trichloroethane	40.0	41.5		ug/L		104	70 - 125
1,1,2-Trichloroethane	40.0	50.6		ug/L		127	71 - 130
Trichloroethene	40.0	45.5		ug/L		114	70 - 125
Trichlorofluoromethane	40.0	36.1		ug/L		90	55 - 128
1,2,3-Trichloropropane	40.0	43.7		ug/L		109	50 - 133
1,2,4-Trimethylbenzene	40.0	42.1		ug/L		105	70 - 123
1,3,5-Trimethylbenzene	40.0	41.2		ug/L		103	70 - 123
Vinyl chloride	40.0	47.6		ug/L		119	64 - 126
Xylenes, Total	80.0	88.0		ug/L		110	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*
Dibromofluoromethane (Surr)	*88*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-697242/5
Matrix: Water
Analysis Batch: 697242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Client Sample ID: 968 Fraser Ln Raw

Lab Sample ID: 500-228981-1

Date Collected: 01/27/23 08:15

Matrix: Water

Date Received: 02/03/23 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	697242	W1T	EET CHI	02/06/23 13:43

Client Sample ID: 668 Pine Timber Ln Raw

Lab Sample ID: 500-228981-2

Date Collected: 01/27/23 08:45

Matrix: Water

Date Received: 02/03/23 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	697242	W1T	EET CHI	02/06/23 14:09

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-228981-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chain of Custody Record

639250 eurofins | Environment Testing America

Address _____

500-228981 COC

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager Mitch Evenson	Site Contact	Date	COC No
Company Name Cedar Corporation	Tel/Email mitchevenson@cedarcorp.com	Lab Contact	Carrier	_____ of _____ COCs
Address 604 Wilson Avenue	Analysis Turnaround Time			Sampler
City/State/Zip Menomonie, WI 54751	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone 715-235-9081	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name Junker LF Residentials	☐ 1 week			
Site	☐ 2 days			Job / SDG No
P O #	☐ 1 day			500-228981

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs	Sample Specific Notes
1 968 Fraser Ln Raw	1/27/23	0815	G	DW	3			X	
2 1168 Pine Timber Ln Raw	1/27/23	0845	G	DW	3			X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Cedar Corporation	2/1/23 1200	[signature]		2/3/23 1040
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-228981-1

Login Number: 228981
List Number: 1
Creator: James, Jeff A

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

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JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-229509-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Job ID: 500-229509-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-229509-1

Comments
No additional comments.

Receipt
The samples were received on 2/15/2023 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

GC/MS VOA
Method 8260B: Acetone/ Methylene chloride were detected in the following samples: 875 Yellowstone Trail Raw (500-229509-1), 875 Yellowstone Trail DW (500-229509-2), 959 Fraser Ln Raw (500-229509-3) and 959 Fraser Ln DW (500-229509-4). Methylene chloride and Acetone are known lab contaminants; therefore all low level detects for these compounds could be suspected as lab contamination.

Method 8260B: The laboratory control sample (LCS) for analytical batch 500-699106 recovered outside control limits for the following analytes: Benzene and Bromobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The method requirement for no headspace was not met. The following volatile samples were analyzed with significant headspace in the sample container(s): 875 Yellowstone Trail DW (500-229509-2) and 959 Fraser Ln Raw (500-229509-3). Significant headspace is defined as a bubble greater than 6 mm in diameter.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 875 Yellowstone Trail Raw — Lab Sample ID: 500-229509-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.8	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.4	J	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	2.9		0.50	0.16	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.69	J	1.0	0.43	ug/L	1		8260B	Total/NA

Client Sample ID: 875 Yellowstone Trail DW — Lab Sample ID: 500-229509-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J B	10	1.7	ug/L	1		8260B	Total/NA

Client Sample ID: 959 Fraser Ln Raw — Lab Sample ID: 500-229509-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.7	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.5	J	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 959 Fraser Ln DW — Lab Sample ID: 500-229509-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.9	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.7	J	5.0	1.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-229509-1	875 Yellowstone Trail Raw	Water	02/10/23 08:30	02/15/23 10:10
500-229509-2	875 Yellowstone Trail DW	Water	02/10/23 08:35	02/15/23 10:10
500-229509-3	959 Fraser Ln Raw	Water	02/10/23 08:45	02/15/23 10:10
500-229509-4	959 Fraser Ln DW	Water	02/10/23 08:50	02/15/23 10:10

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 875 Yellowstone Trail Raw
Date Collected: 02/10/23 08:30
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.8**	**J**	10	1.7	ug/L			02/17/23 12:50	1
Benzene	<0.15	*	0.50	0.15	ug/L			02/17/23 12:50	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			02/17/23 12:50	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/17/23 12:50	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/17/23 12:50	1
Bromoform	<0.48		1.0	0.48	ug/L			02/17/23 12:50	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/17/23 12:50	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/17/23 12:50	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/17/23 12:50	1
Chloroform	<0.37		2.0	0.37	ug/L			02/17/23 12:50	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/17/23 12:50	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/17/23 12:50	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/17/23 12:50	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/17/23 12:50	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/17/23 12:50	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/17/23 12:50	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/17/23 12:50	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/17/23 12:50	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/17/23 12:50	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/17/23 12:50	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/17/23 12:50	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/17/23 12:50	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/17/23 12:50	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/17/23 12:50	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/17/23 12:50	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/17/23 12:50	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/17/23 12:50	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/17/23 12:50	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/17/23 12:50	1
Methylene Chloride	**2.4**	**J**	5.0	1.6	ug/L			02/17/23 12:50	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/17/23 12:50	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/17/23 12:50	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/17/23 12:50	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/17/23 12:50	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/17/23 12:50	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/17/23 12:50	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 12:50	1
Styrene	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 12:50	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/17/23 12:50	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/17/23 12:50	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/17/23 12:50	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 875 Yellowstone Trail Raw
Date Collected: 02/10/23 08:30
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/17/23 12:50	1
Toluene	<0.15		0.50	0.15	ug/L			02/17/23 12:50	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/17/23 12:50	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/17/23 12:50	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/17/23 12:50	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/17/23 12:50	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/17/23 12:50	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/17/23 12:50	1
Trichloroethene	**2.9**		0.50	0.16	ug/L			02/17/23 12:50	1
Trichlorofluoromethane	**0.69**	**J**	1.0	0.43	ug/L			02/17/23 12:50	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/17/23 12:50	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/17/23 12:50	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/17/23 12:50	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/17/23 12:50	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/17/23 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*02/17/23 12:50*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*02/17/23 12:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*02/17/23 12:50*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*02/17/23 12:50*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 875 Yellowstone Trail DW
Date Collected: 02/10/23 08:35
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.3	J B	10	1.7	ug/L			02/24/23 13:23	1
Benzene	<0.15		0.50	0.15	ug/L			02/24/23 13:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/24/23 13:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/24/23 13:23	1
Bromoform	<0.48		1.0	0.48	ug/L			02/24/23 13:23	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/24/23 13:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/24/23 13:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/24/23 13:23	1
Chloroform	<0.37		2.0	0.37	ug/L			02/24/23 13:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/24/23 13:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/24/23 13:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/24/23 13:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/24/23 13:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/24/23 13:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/24/23 13:23	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/24/23 13:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/24/23 13:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/24/23 13:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/24/23 13:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/24/23 13:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/24/23 13:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/24/23 13:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/24/23 13:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/24/23 13:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/24/23 13:23	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/24/23 13:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/24/23 13:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/24/23 13:23	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/24/23 13:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/24/23 13:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/24/23 13:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/24/23 13:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/24/23 13:23	1
Styrene	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/24/23 13:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/24/23 13:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/24/23 13:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/24/23 13:23	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 875 Yellowstone Trail DW
Date Collected: 02/10/23 08:35
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/24/23 13:23	1
Toluene	<0.15		0.50	0.15	ug/L			02/24/23 13:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/24/23 13:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/24/23 13:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/24/23 13:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/24/23 13:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/24/23 13:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/24/23 13:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/24/23 13:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/24/23 13:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/24/23 13:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/24/23 13:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/24/23 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*02/24/23 13:23*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*02/24/23 13:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*02/24/23 13:23*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*02/24/23 13:23*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 959 Fraser Ln Raw

Date Collected: 02/10/23 08:45
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.7**	**J**	10	1.7	ug/L			02/17/23 13:42	1
Benzene	<0.15	*	0.50	0.15	ug/L			02/17/23 13:42	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			02/17/23 13:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/17/23 13:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/17/23 13:42	1
Bromoform	<0.48		1.0	0.48	ug/L			02/17/23 13:42	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/17/23 13:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/17/23 13:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/17/23 13:42	1
Chloroform	<0.37		2.0	0.37	ug/L			02/17/23 13:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/17/23 13:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/17/23 13:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/17/23 13:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/17/23 13:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/17/23 13:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/17/23 13:42	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/17/23 13:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/17/23 13:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/17/23 13:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/17/23 13:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/17/23 13:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/17/23 13:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/17/23 13:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/17/23 13:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/17/23 13:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/17/23 13:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/17/23 13:42	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/17/23 13:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/17/23 13:42	1
Methylene Chloride	**2.5**	**J**	5.0	1.6	ug/L			02/17/23 13:42	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/17/23 13:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/17/23 13:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/17/23 13:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/17/23 13:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/17/23 13:42	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/17/23 13:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 13:42	1
Styrene	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 13:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/17/23 13:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/17/23 13:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/17/23 13:42	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 959 Fraser Ln Raw

Date Collected: 02/10/23 08:45
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/17/23 13:42	1
Toluene	<0.15		0.50	0.15	ug/L			02/17/23 13:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/17/23 13:42	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/17/23 13:42	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/17/23 13:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/17/23 13:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/17/23 13:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/17/23 13:42	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			02/17/23 13:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/17/23 13:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/17/23 13:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/17/23 13:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/17/23 13:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/17/23 13:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/17/23 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*02/17/23 13:42*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*02/17/23 13:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*02/17/23 13:42*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/17/23 13:42*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 959 Fraser Ln DW
Date Collected: 02/10/23 08:50
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.9**	**J**	10	1.7	ug/L			02/17/23 14:09	1
Benzene	<0.15	*	0.50	0.15	ug/L			02/17/23 14:09	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			02/17/23 14:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/17/23 14:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/17/23 14:09	1
Bromoform	<0.48		1.0	0.48	ug/L			02/17/23 14:09	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/17/23 14:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/17/23 14:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/17/23 14:09	1
Chloroform	<0.37		2.0	0.37	ug/L			02/17/23 14:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/17/23 14:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/17/23 14:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/17/23 14:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/17/23 14:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/17/23 14:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/17/23 14:09	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/17/23 14:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/17/23 14:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/17/23 14:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/17/23 14:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/17/23 14:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/17/23 14:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/17/23 14:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/17/23 14:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/17/23 14:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/17/23 14:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/17/23 14:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/17/23 14:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/17/23 14:09	1
Methylene Chloride	**2.7**	**J**	5.0	1.6	ug/L			02/17/23 14:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/17/23 14:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/17/23 14:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/17/23 14:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/17/23 14:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/17/23 14:09	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/17/23 14:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 14:09	1
Styrene	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 14:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/17/23 14:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/17/23 14:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/17/23 14:09	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 959 Fraser Ln DW

Date Collected: 02/10/23 08:50
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/17/23 14:09	1
Toluene	<0.15		0.50	0.15	ug/L			02/17/23 14:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/17/23 14:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/17/23 14:09	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/17/23 14:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/17/23 14:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/17/23 14:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/17/23 14:09	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/17/23 14:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/17/23 14:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/17/23 14:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/17/23 14:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/17/23 14:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/17/23 14:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/17/23 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*02/17/23 14:09*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*02/17/23 14:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*02/17/23 14:09*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/17/23 14:09*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

GC/MS VOA

Analysis Batch: 699106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-229509-1	875 Yellowstone Trail Raw	Total/NA	Water	8260B	
500-229509-3	959 Fraser Ln Raw	Total/NA	Water	8260B	
500-229509-4	959 Fraser Ln DW	Total/NA	Water	8260B	
MB 500-699106/7	Method Blank	Total/NA	Water	8260B	
LCS 500-699106/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 700067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-229509-2	875 Yellowstone Trail DW	Total/NA	Water	8260B	
MB 500-700067/7	Method Blank	Total/NA	Water	8260B	
LCS 500-700067/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-229509-1	875 Yellowstone Trail Raw	104	96	96	93
500-229509-2	875 Yellowstone Trail DW	110	89	99	96
500-229509-3	959 Fraser Ln Raw	104	98	100	92
500-229509-4	959 Fraser Ln DW	104	99	101	92
LCS 500-699106/5	Lab Control Sample	106	93	94	92
LCS 500-700067/5	Lab Control Sample	112	91	98	97
MB 500-699106/7	Method Blank	105	99	99	90
MB 500-700067/7	Method Blank	110	92	100	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-699106/7
Matrix: Water
Analysis Batch: 699106

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			02/17/23 11:47	1
Benzene	<0.15		0.50	0.15	ug/L			02/17/23 11:47	1
Bromobenzene	<0.36		1.0	0.36	ug/L			02/17/23 11:47	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/17/23 11:47	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/17/23 11:47	1
Bromoform	<0.48		1.0	0.48	ug/L			02/17/23 11:47	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/17/23 11:47	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/17/23 11:47	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/17/23 11:47	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/17/23 11:47	1
Chloroform	<0.37		2.0	0.37	ug/L			02/17/23 11:47	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/17/23 11:47	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/17/23 11:47	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/17/23 11:47	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/17/23 11:47	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/17/23 11:47	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/17/23 11:47	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/17/23 11:47	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/17/23 11:47	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/17/23 11:47	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/17/23 11:47	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/17/23 11:47	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/17/23 11:47	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/17/23 11:47	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/17/23 11:47	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/17/23 11:47	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/17/23 11:47	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/17/23 11:47	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 11:47	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/17/23 11:47	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/17/23 11:47	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/17/23 11:47	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/17/23 11:47	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/17/23 11:47	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/17/23 11:47	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/17/23 11:47	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/17/23 11:47	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/17/23 11:47	1
n-Butylbenzene	0.656	J	1.0	0.39	ug/L			02/17/23 11:47	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/17/23 11:47	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/17/23 11:47	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/17/23 11:47	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/17/23 11:47	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 11:47	1
Styrene	<0.39		1.0	0.39	ug/L			02/17/23 11:47	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 11:47	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/17/23 11:47	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/17/23 11:47	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-699106/7
Matrix: Water
Analysis Batch: 699106

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/17/23 11:47	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/17/23 11:47	1
Toluene	<0.15		0.50	0.15	ug/L			02/17/23 11:47	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/17/23 11:47	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/17/23 11:47	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/17/23 11:47	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/17/23 11:47	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/17/23 11:47	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/17/23 11:47	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/17/23 11:47	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/17/23 11:47	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/17/23 11:47	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/17/23 11:47	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/17/23 11:47	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/17/23 11:47	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/17/23 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*02/17/23 11:47*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*02/17/23 11:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*02/17/23 11:47*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*02/17/23 11:47*	*1*

Lab Sample ID: LCS 500-699106/5
Matrix: Water
Analysis Batch: 699106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	33.6		ug/L		84	40 - 143
Benzene	40.0	48.6	*	ug/L		121	70 - 120
Bromobenzene	40.0	52.1	*	ug/L		130	70 - 122
Bromochloromethane	40.0	47.0		ug/L		117	65 - 122
Bromodichloromethane	40.0	47.1		ug/L		118	69 - 120
Bromoform	40.0	43.2		ug/L		108	56 - 132
Carbon disulfide	40.0	43.5		ug/L		109	66 - 120
Carbon tetrachloride	40.0	43.4		ug/L		109	59 - 133
Chlorobenzene	40.0	45.7		ug/L		114	70 - 120
Chloroethane	40.0	39.5		ug/L		99	48 - 136
Chloroform	40.0	44.0		ug/L		110	70 - 120
2-Chlorotoluene	40.0	48.2		ug/L		121	70 - 125
4-Chlorotoluene	40.0	48.1		ug/L		120	68 - 124
cis-1,2-Dichloroethene	40.0	48.9		ug/L		122	70 - 125
cis-1,3-Dichloropropene	40.0	41.4		ug/L		103	64 - 127
Dibromochloromethane	40.0	45.3		ug/L		113	68 - 125
1,2-Dibromo-3-Chloropropane	40.0	38.8		ug/L		97	56 - 123
1,2-Dibromoethane (EDB)	40.0	43.2		ug/L		108	70 - 125
Dichlorodifluoromethane	40.0	31.0		ug/L		78	40 - 159
1,1-Dichloroethane	40.0	44.5		ug/L		111	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-699106/5
Matrix: Water
Analysis Batch: 699106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	40.0	47.8		ug/L		119	68 - 127
1,1-Dichloroethene	40.0	46.4		ug/L		116	67 - 122
1,2-Dichloropropane	40.0	46.4		ug/L		116	67 - 130
1,3-Dichloropropane	40.0	45.2		ug/L		113	62 - 136
2,2-Dichloropropane	40.0	46.9		ug/L		117	58 - 139
1,1-Dichloropropene	40.0	48.5		ug/L		121	70 - 121
Ethylbenzene	40.0	46.2		ug/L		115	70 - 123
Hexachlorobutadiene	40.0	45.1		ug/L		113	51 - 150
Isopropylbenzene	40.0	42.9		ug/L		107	70 - 126
1,3-Dichlorobenzene	40.0	48.9		ug/L		122	70 - 125
Bromomethane	40.0	35.4		ug/L		89	40 - 152
Chloromethane	40.0	27.7		ug/L		69	56 - 152
Dibromomethane	40.0	47.2		ug/L		118	70 - 120
Methylene Chloride	40.0	44.6		ug/L		112	69 - 125
2-Butanone (MEK)	40.0	32.3		ug/L		81	46 - 144
Methyl tert-butyl ether	40.0	47.0		ug/L		118	55 - 123
Naphthalene	40.0	37.4		ug/L		93	53 - 144
n-Butylbenzene	40.0	39.0		ug/L		97	68 - 125
N-Propylbenzene	40.0	42.9		ug/L		107	69 - 127
1,2-Dichlorobenzene	40.0	47.1		ug/L		118	70 - 125
1,4-Dichlorobenzene	40.0	47.1		ug/L		118	70 - 120
4-Isopropyltoluene	40.0	40.6		ug/L		101	70 - 125
sec-Butylbenzene	40.0	40.4		ug/L		101	70 - 123
Styrene	40.0	40.7		ug/L		102	70 - 120
tert-Butylbenzene	40.0	42.2		ug/L		105	70 - 121
1,1,1,2-Tetrachloroethane	40.0	43.5		ug/L		109	70 - 125
1,1,2,2-Tetrachloroethane	40.0	45.7		ug/L		114	62 - 140
Tetrachloroethene	40.0	47.7		ug/L		119	70 - 128
Tetrahydrofuran	80.0	66.1		ug/L		83	59 - 139
Toluene	40.0	46.7		ug/L		117	70 - 125
trans-1,2-Dichloroethene	40.0	47.1		ug/L		118	70 - 125
trans-1,3-Dichloropropene	40.0	40.5		ug/L		101	62 - 128
1,2,3-Trichlorobenzene	40.0	43.4		ug/L		108	51 - 145
1,2,4-Trichlorobenzene	40.0	43.7		ug/L		109	57 - 137
1,1,1-Trichloroethane	40.0	45.2		ug/L		113	70 - 125
1,1,2-Trichloroethane	40.0	46.0		ug/L		115	71 - 130
Trichloroethene	40.0	49.5		ug/L		124	70 - 125
Trichlorofluoromethane	40.0	39.6		ug/L		99	55 - 128
1,2,3-Trichloropropane	40.0	44.1		ug/L		110	50 - 133
1,2,4-Trimethylbenzene	40.0	41.1		ug/L		103	70 - 123
1,3,5-Trimethylbenzene	40.0	40.8		ug/L		102	70 - 123
Vinyl chloride	40.0	39.2		ug/L		98	64 - 126
Xylenes, Total	80.0	86.5		ug/L		108	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*
Dibromofluoromethane (Surr)	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-699106/5
Matrix: Water
Analysis Batch: 699106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	92		75 - 120

Lab Sample ID: MB 500-700067/7
Matrix: Water
Analysis Batch: 700067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.28	J	10	1.7	ug/L			02/24/23 12:20	1
Benzene	<0.15		0.50	0.15	ug/L			02/24/23 12:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			02/24/23 12:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/24/23 12:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/24/23 12:20	1
Bromoform	<0.48		1.0	0.48	ug/L			02/24/23 12:20	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/24/23 12:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/24/23 12:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/24/23 12:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/24/23 12:20	1
Chloroform	<0.37		2.0	0.37	ug/L			02/24/23 12:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/24/23 12:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/24/23 12:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/24/23 12:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/24/23 12:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/24/23 12:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/24/23 12:20	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/24/23 12:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/24/23 12:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/24/23 12:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/24/23 12:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/24/23 12:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/24/23 12:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/24/23 12:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/24/23 12:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/24/23 12:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/24/23 12:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/24/23 12:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/24/23 12:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/24/23 12:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/24/23 12:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/24/23 12:20	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/24/23 12:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/24/23 12:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/24/23 12:20	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/24/23 12:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/24/23 12:20	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/24/23 12:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/24/23 12:20	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/24/23 12:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/24/23 12:20	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-700067/7
Matrix: Water
Analysis Batch: 700067

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/24/23 12:20	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/24/23 12:20	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/24/23 12:20	1
Styrene	<0.39		1.0	0.39	ug/L			02/24/23 12:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/24/23 12:20	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/24/23 12:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/24/23 12:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/24/23 12:20	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/24/23 12:20	1
Toluene	<0.15		0.50	0.15	ug/L			02/24/23 12:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/24/23 12:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/24/23 12:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/24/23 12:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/24/23 12:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/24/23 12:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/24/23 12:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/24/23 12:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/24/23 12:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/24/23 12:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/24/23 12:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/24/23 12:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/24/23 12:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/24/23 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*02/24/23 12:20*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*02/24/23 12:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*02/24/23 12:20*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*02/24/23 12:20*	*1*

Lab Sample ID: LCS 500-700067/5
Matrix: Water
Analysis Batch: 700067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	52.1		ug/L		104	40 - 143
Benzene	50.0	48.6		ug/L		97	70 - 120
Bromobenzene	50.0	50.6		ug/L		101	70 - 122
Bromochloromethane	50.0	43.6		ug/L		87	65 - 122
Bromodichloromethane	50.0	48.8		ug/L		98	69 - 120
Bromoform	50.0	47.8		ug/L		96	56 - 132
Carbon disulfide	50.0	46.2		ug/L		92	66 - 120
Carbon tetrachloride	50.0	45.6		ug/L		91	59 - 133
Chlorobenzene	50.0	50.1		ug/L		100	70 - 120
Chloroethane	50.0	54.4		ug/L		109	48 - 136
Chloroform	50.0	51.2		ug/L		102	70 - 120
2-Chlorotoluene	50.0	50.8		ug/L		102	70 - 125
4-Chlorotoluene	50.0	51.0		ug/L		102	68 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-700067/5
Matrix: Water
Analysis Batch: 700067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	50.0	47.0		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	52.4		ug/L		105	64 - 127
Dibromochloromethane	50.0	46.8		ug/L		94	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	46.0		ug/L		92	56 - 123
1,2-Dibromoethane (EDB)	50.0	50.4		ug/L		101	70 - 125
Dichlorodifluoromethane	50.0	43.2		ug/L		86	40 - 159
1,1-Dichloroethane	50.0	53.2		ug/L		106	70 - 125
1,2-Dichloroethane	50.0	52.1		ug/L		104	68 - 127
1,1-Dichloroethene	50.0	45.9		ug/L		92	67 - 122
1,2-Dichloropropane	50.0	57.6		ug/L		115	67 - 130
1,3-Dichloropropane	50.0	54.8		ug/L		110	62 - 136
2,2-Dichloropropane	50.0	47.8		ug/L		96	58 - 139
1,1-Dichloropropene	50.0	50.1		ug/L		100	70 - 121
Ethylbenzene	50.0	46.4		ug/L		93	70 - 123
Hexachlorobutadiene	50.0	42.5		ug/L		85	51 - 150
Isopropylbenzene	50.0	48.3		ug/L		97	70 - 126
1,3-Dichlorobenzene	50.0	47.1		ug/L		94	70 - 125
Bromomethane	50.0	45.7		ug/L		91	40 - 152
Chloromethane	50.0	55.5		ug/L		111	56 - 152
Dibromomethane	50.0	47.5		ug/L		95	70 - 120
Methylene Chloride	50.0	45.6		ug/L		91	69 - 125
2-Butanone (MEK)	50.0	58.8		ug/L		118	46 - 144
Methyl tert-butyl ether	50.0	51.2		ug/L		102	55 - 123
Naphthalene	50.0	44.6		ug/L		89	53 - 144
n-Butylbenzene	50.0	45.3		ug/L		91	68 - 125
N-Propylbenzene	50.0	50.0		ug/L		100	69 - 127
1,2-Dichlorobenzene	50.0	46.2		ug/L		92	70 - 125
1,4-Dichlorobenzene	50.0	47.0		ug/L		94	70 - 120
4-Isopropyltoluene	50.0	44.4		ug/L		89	70 - 125
sec-Butylbenzene	50.0	45.7		ug/L		91	70 - 123
Styrene	50.0	49.3		ug/L		99	70 - 120
tert-Butylbenzene	50.0	46.9		ug/L		94	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.6		ug/L		93	70 - 125
1,1,2,2-Tetrachloroethane	50.0	56.1		ug/L		112	62 - 140
Tetrachloroethene	50.0	50.2		ug/L		100	70 - 128
Tetrahydrofuran	100	117		ug/L		117	59 - 139
Toluene	50.0	51.2		ug/L		102	70 - 125
trans-1,2-Dichloroethene	50.0	45.7		ug/L		91	70 - 125
trans-1,3-Dichloropropene	50.0	51.6		ug/L		103	62 - 128
1,2,3-Trichlorobenzene	50.0	44.6		ug/L		89	51 - 145
1,2,4-Trichlorobenzene	50.0	48.9		ug/L		98	57 - 137
1,1,1-Trichloroethane	50.0	46.7		ug/L		93	70 - 125
1,1,2-Trichloroethane	50.0	55.9		ug/L		112	71 - 130
Trichloroethene	50.0	47.0		ug/L		94	70 - 125
Trichlorofluoromethane	50.0	46.0		ug/L		92	55 - 128
1,2,3-Trichloropropane	50.0	50.9		ug/L		102	50 - 133
1,2,4-Trimethylbenzene	50.0	46.8		ug/L		94	70 - 123
1,3,5-Trimethylbenzene	50.0	47.9		ug/L		96	70 - 123
Vinyl chloride	50.0	54.3		ug/L		109	64 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-700067/5
Matrix: Water
Analysis Batch: 700067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			100	99.7		ug/L		100	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*
Dibromofluoromethane (Surr)	*91*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 875 Yellowstone Trail Raw
Lab Sample ID: 500-229509-1
Date Collected: 02/10/23 08:30
Matrix: Water
Date Received: 02/15/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	699106	W1T	EET CHI	02/17/23 12:50

Client Sample ID: 875 Yellowstone Trail DW
Lab Sample ID: 500-229509-2
Date Collected: 02/10/23 08:35
Matrix: Water
Date Received: 02/15/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	700067	W1T	EET CHI	02/24/23 13:23

Client Sample ID: 959 Fraser Ln Raw
Lab Sample ID: 500-229509-3
Date Collected: 02/10/23 08:45
Matrix: Water
Date Received: 02/15/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	699106	W1T	EET CHI	02/17/23 13:42

Client Sample ID: 959 Fraser Ln DW
Lab Sample ID: 500-229509-4
Date Collected: 02/10/23 08:50
Matrix: Water
Date Received: 02/15/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	699106	W1T	EET CHI	02/17/23 14:09

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-229509-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chain of Custody Record

639238 eurofins | Environment Testing America

Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Mitch Evenson	Site Contact	Date	COC No
Company Name: Cedar corporation	Tel/Email: 715-235-9091	Lab Contact	Carrier	_____ of _____ COCs
Address: 604 Wilson Ave	Analysis Turnaround Time			Sampler:
City/State/Zip: Menomonie, WI 54751	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone: 715-235-9091	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Junker LF Residentials	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-229509
P O #	☐ 1 day			

500-229509 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs	Sample Specific Notes
1	875 Yellowstone Trail Raw	2/10/23	0830	G	W	3			X	
2	875 Yellowstone Trail DW	↓	0835	↓	↓	↓			X	
3	959 Fraser Ln Raw		0845						X	
4	959 Fraser Ln DW	↓	0850	↓	↓	↓			X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

0.5+0.0

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Theresa Stetter	Cedar Corp	2/14/22 0710			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Stephanie Hernandez	EETA	2/15/23 1010

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-229509-1

Login Number: 229509
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 3/7/2023 11:38:44 AM

JOB DESCRIPTION

Junker LF

JOB NUMBER

500-229790-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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3/7/2023 11:38:44 AM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Job ID: 500-229790-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-229790-1

Comments
No additional comments.

Receipt
The sample was received on 2/22/2023 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.9º C.

Receipt Exceptions
One or more containers for the following sample(s) was received broken or leaking: Two of three voa vials received frozen/broken.

GC/MS VOA
Methods 8260B, 8260D: Acetone/ Methylene chloride were detected in the following samples: 814 Dave Ct. Raw (500-229790-1). Methylene chloride and Acetone are known lab contaminants; therefore all low level detects for these compounds in water and high level samples could be suspected as lab contamination.

Method 8260B: The laboratory control sample (LCS) for analytical batch 500-701034 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 500-701034 recovered outside control limits for Hexachlorobutadiene with slightly low recovery. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. Additionally, the LCS met control limits for this compound. The associated sample is impacted: 814 Dave Ct. Raw (500-229790-1).

Method 8260B: The continuing calibration verification (CCV) associated with batch 701034 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: 814 Dave Ct. Raw (500-229790-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-229790-1

Client Sample ID: 814 Dave Ct. Raw

Lab Sample ID: 500-229790-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.8	J B	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.1	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	1.7		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-229790-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-229790-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-229790-1	814 Dave Ct. Raw	Water	02/21/23 08:30	02/22/23 10:00

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-229790-1

Client Sample ID: 814 Dave Ct. Raw
Date Collected: 02/21/23 08:30
Date Received: 02/22/23 10:00

Lab Sample ID: 500-229790-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.8**	**J B**	10	1.7	ug/L			03/03/23 16:57	1
Benzene	<0.15		0.50	0.15	ug/L			03/03/23 16:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/03/23 16:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/03/23 16:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/03/23 16:57	1
Bromoform	<0.48		1.0	0.48	ug/L			03/03/23 16:57	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			03/03/23 16:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/03/23 16:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/03/23 16:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/03/23 16:57	1
Chloroform	<0.37		2.0	0.37	ug/L			03/03/23 16:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/03/23 16:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/03/23 16:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/03/23 16:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/03/23 16:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/03/23 16:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/03/23 16:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/03/23 16:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/03/23 16:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/03/23 16:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/03/23 16:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/03/23 16:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/03/23 16:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/03/23 16:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/03/23 16:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/03/23 16:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/03/23 16:57	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			03/03/23 16:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/03/23 16:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/03/23 16:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/03/23 16:57	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/03/23 16:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/03/23 16:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/03/23 16:57	1
Methylene Chloride	**2.1**	**J B**	5.0	1.6	ug/L			03/03/23 16:57	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/03/23 16:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/03/23 16:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/03/23 16:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/03/23 16:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/03/23 16:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/03/23 16:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/03/23 16:57	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/03/23 16:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/03/23 16:57	1
Styrene	<0.39		1.0	0.39	ug/L			03/03/23 16:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/03/23 16:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/03/23 16:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/03/23 16:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/03/23 16:57	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-229790-1

Client Sample ID: 814 Dave Ct. Raw
Date Collected: 02/21/23 08:30
Date Received: 02/22/23 10:00

Lab Sample ID: 500-229790-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/03/23 16:57	1
Toluene	<0.15		0.50	0.15	ug/L			03/03/23 16:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/03/23 16:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/03/23 16:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/03/23 16:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/03/23 16:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/03/23 16:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/03/23 16:57	1
Trichloroethene	**1.7**		0.50	0.16	ug/L			03/03/23 16:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/03/23 16:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/03/23 16:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/03/23 16:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/03/23 16:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/03/23 16:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/03/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*03/03/23 16:57*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*03/03/23 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*03/03/23 16:57*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*03/03/23 16:57*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-229790-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-229790-1

GC/MS VOA

Analysis Batch: 701034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-229790-1	814 Dave Ct. Raw	Total/NA	Water	8260B	
MB 500-701034/7	Method Blank	Total/NA	Water	8260B	
LCS 500-701034/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-229790-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-229790-1	814 Dave Ct. Raw	95	107	95	93
LCS 500-701034/5	Lab Control Sample	90	102	91	94
MB 500-701034/7	Method Blank	94	106	95	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-701034/7
Matrix: Water
Analysis Batch: 701034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.65	J	10	1.7	ug/L			03/03/23 12:57	1
Benzene	<0.15		0.50	0.15	ug/L			03/03/23 12:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/03/23 12:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/03/23 12:57	1
Bromoform	<0.48		1.0	0.48	ug/L			03/03/23 12:57	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			03/03/23 12:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/03/23 12:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/03/23 12:57	1
Chloroform	<0.37		2.0	0.37	ug/L			03/03/23 12:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/03/23 12:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/03/23 12:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/03/23 12:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/03/23 12:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/03/23 12:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/03/23 12:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/03/23 12:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/03/23 12:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/03/23 12:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/03/23 12:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/03/23 12:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/03/23 12:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/03/23 12:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/03/23 12:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/03/23 12:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/03/23 12:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/03/23 12:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/03/23 12:57	1
Methylene Chloride	1.85	J	5.0	1.6	ug/L			03/03/23 12:57	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/03/23 12:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/03/23 12:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/03/23 12:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/03/23 12:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/03/23 12:57	1
Styrene	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/03/23 12:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/03/23 12:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/03/23 12:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-701034/7
Matrix: Water
Analysis Batch: 701034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/03/23 12:57	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/03/23 12:57	1
Toluene	<0.15		0.50	0.15	ug/L			03/03/23 12:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/03/23 12:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/03/23 12:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/03/23 12:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/03/23 12:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/03/23 12:57	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/03/23 12:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/03/23 12:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/03/23 12:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/03/23 12:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/03/23 12:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/03/23 12:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*03/03/23 12:57*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*03/03/23 12:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*03/03/23 12:57*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*03/03/23 12:57*	*1*

Lab Sample ID: LCS 500-701034/5
Matrix: Water
Analysis Batch: 701034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	47.8		ug/L		96	40 - 143
Benzene	50.0	44.8		ug/L		90	70 - 120
Bromobenzene	50.0	47.1		ug/L		94	70 - 122
Bromochloromethane	50.0	54.6		ug/L		109	65 - 122
Bromodichloromethane	50.0	51.4		ug/L		103	69 - 120
Bromoform	50.0	63.4		ug/L		127	56 - 132
Carbon disulfide	50.0	53.6		ug/L		107	66 - 120
Carbon tetrachloride	50.0	52.3		ug/L		105	59 - 133
Chlorobenzene	50.0	47.5		ug/L		95	70 - 120
Chloroethane	50.0	53.7		ug/L		107	48 - 136
Chloroform	50.0	46.1		ug/L		92	70 - 120
2-Chlorotoluene	50.0	43.4		ug/L		87	70 - 125
4-Chlorotoluene	50.0	45.2		ug/L		90	68 - 124
cis-1,2-Dichloroethene	50.0	48.1		ug/L		96	70 - 125
cis-1,3-Dichloropropene	50.0	44.4		ug/L		89	64 - 127
Dibromochloromethane	50.0	60.7		ug/L		121	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	45.5		ug/L		91	56 - 123
1,2-Dibromoethane (EDB)	50.0	49.8		ug/L		100	70 - 125
Dichlorodifluoromethane	50.0	33.5		ug/L		67	40 - 159
1,1-Dichloroethane	50.0	41.7		ug/L		83	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-701034/5
Matrix: Water
Analysis Batch: 701034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	44.7		ug/L		89	68 - 127
1,1-Dichloroethene	50.0	54.2		ug/L		108	67 - 122
1,2-Dichloropropane	50.0	41.0		ug/L		82	67 - 130
1,3-Dichloropropane	50.0	46.1		ug/L		92	62 - 136
2,2-Dichloropropane	50.0	41.0		ug/L		82	58 - 139
1,1-Dichloropropene	50.0	44.9		ug/L		90	70 - 121
Ethylbenzene	50.0	46.2		ug/L		92	70 - 123
Hexachlorobutadiene	50.0	26.1		ug/L		52	51 - 150
Isopropylbenzene	50.0	44.4		ug/L		89	70 - 126
1,3-Dichlorobenzene	50.0	45.9		ug/L		92	70 - 125
Bromomethane	50.0	85.5	*	ug/L		171	40 - 152
Chloromethane	50.0	34.5		ug/L		69	56 - 152
Dibromomethane	50.0	50.5		ug/L		101	70 - 120
Methylene Chloride	50.0	51.2		ug/L		102	69 - 125
2-Butanone (MEK)	50.0	46.3		ug/L		93	46 - 144
Methyl tert-butyl ether	50.0	45.2		ug/L		90	55 - 123
Naphthalene	50.0	36.1		ug/L		72	53 - 144
n-Butylbenzene	50.0	42.4		ug/L		85	68 - 125
N-Propylbenzene	50.0	45.4		ug/L		91	69 - 127
1,2-Dichlorobenzene	50.0	46.1		ug/L		92	70 - 125
1,4-Dichlorobenzene	50.0	46.2		ug/L		92	70 - 120
4-Isopropyltoluene	50.0	45.5		ug/L		91	70 - 125
sec-Butylbenzene	50.0	44.5		ug/L		89	70 - 123
Styrene	50.0	48.8		ug/L		98	70 - 120
tert-Butylbenzene	50.0	44.2		ug/L		88	70 - 121
1,1,1,2-Tetrachloroethane	50.0	50.4		ug/L		101	70 - 125
1,1,2,2-Tetrachloroethane	50.0	49.2		ug/L		98	62 - 140
Tetrachloroethene	50.0	46.1		ug/L		92	70 - 128
Tetrahydrofuran	100	80.0		ug/L		80	59 - 139
Toluene	50.0	46.6		ug/L		93	70 - 125
trans-1,2-Dichloroethene	50.0	50.0		ug/L		100	70 - 125
trans-1,3-Dichloropropene	50.0	47.5		ug/L		95	62 - 128
1,2,3-Trichlorobenzene	50.0	30.5		ug/L		61	51 - 145
1,2,4-Trichlorobenzene	50.0	32.4		ug/L		65	57 - 137
1,1,1-Trichloroethane	50.0	45.5		ug/L		91	70 - 125
1,1,2-Trichloroethane	50.0	49.5		ug/L		99	71 - 130
Trichloroethene	50.0	51.2		ug/L		102	70 - 125
Trichlorofluoromethane	50.0	55.1		ug/L		110	55 - 128
1,2,3-Trichloropropane	50.0	51.4		ug/L		103	50 - 133
1,2,4-Trimethylbenzene	50.0	45.3		ug/L		91	70 - 123
1,3,5-Trimethylbenzene	50.0	44.7		ug/L		89	70 - 123
Vinyl chloride	50.0	43.0		ug/L		86	64 - 126
Xylenes, Total	100	90.1		ug/L		90	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-701034/5
Matrix: Water
Analysis Batch: 701034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	94		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-229790-1

Client Sample ID: 814 Dave Ct. Raw

Date Collected: 02/21/23 08:30
Date Received: 02/22/23 10:00

Lab Sample ID: 500-229790-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	701034	PMF	EET CHI	03/03/23 16:57

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-229790-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chain of Custody Record

639201 eurofins | Environment Testing America

Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Mitch Evans	Site Contact: Orion R	Date: 2/21/23	COC No
Company Name: Cedar Corp	Tel/Email	Lab Contact: Sandi F.	Carrier	1 of 1 COCs
Address: 604 Wilson Ave	Analysis Turnaround Time			Sampler
City/State/Zip: Menomonie / WI / 54751	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone: 715-235-9081	TAT if different from Below _____			Walk in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name: Junker LF	☐ 1 week			
Site	☐ 2 days			Job / SDG No: 500-229790
P O #	☐ 1 day			

500-229790 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	Sample Specific Notes
814 Dove Ct. Rear	2/21/23	0830	G	W	3			X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

-1.4 + -1.9

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Cedar Corp	2/21/23			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Stephanie Hemanchyk	EETA	2/22/23 1000

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-229790-1

Login Number: 229790
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-1.9, Samples frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 3/13/2023 4:20:06 PM

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-230036-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Job ID: 500-230036-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-230036-1

Receipt
The samples were received on 3/1/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.6º C.

GC/MS VOA
Method 8260B: Acetone/ Methylene chloride were detected in the following samples: 1001 Tanney Ln Raw (500-230036-1) and 1001 Tanney Ln DW (500-230036-2).. Methylene chloride and Acetone are known lab contaminants; therefore all low level detects for these compounds could be suspected as lab contamination.

Method 8260B: The laboratory control sample (LCS) for analytical batch 500-701034 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS and not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 500-701034 recovered outside control limits for Hexachlorobutadiene with slightly low recovery. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. Additionally, the LCS met control limits for this compound. The associated samples are impacted: 1001 Tanney Ln Raw (500-230036-1) and 1001 Tanney Ln DW (500-230036-2).

Method 8260B: The continuing calibration verification (CCV) associated with batch 701034 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 1001 Tanney Ln Raw (500-230036-1) and 1001 Tanney Ln DW (500-230036-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Client Sample ID: 1001 Tanney Ln Raw — Lab Sample ID: 500-230036-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.8	J B	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.0	J B	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: 1001 Tanney Ln DW — Lab Sample ID: 500-230036-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.2	J B	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	1.6	J B	5.0	1.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-230036-1	1001 Tanney Ln Raw	Water	02/21/23 14:00	03/01/23 09:45
500-230036-2	1001 Tanney Ln DW	Water	02/21/23 14:05	03/01/23 09:45

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Client Sample ID: 1001 Tanney Ln Raw

Date Collected: 02/21/23 14:00
Date Received: 03/01/23 09:45

Lab Sample ID: 500-230036-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.8**	**J B**	10	1.7	ug/L			03/03/23 17:21	1
Benzene	<0.15		0.50	0.15	ug/L			03/03/23 17:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/03/23 17:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/03/23 17:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/03/23 17:21	1
Bromoform	<0.48		1.0	0.48	ug/L			03/03/23 17:21	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			03/03/23 17:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/03/23 17:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/03/23 17:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/03/23 17:21	1
Chloroform	<0.37		2.0	0.37	ug/L			03/03/23 17:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/03/23 17:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/03/23 17:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/03/23 17:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/03/23 17:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/03/23 17:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/03/23 17:21	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/03/23 17:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/03/23 17:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/03/23 17:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/03/23 17:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/03/23 17:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/03/23 17:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/03/23 17:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/03/23 17:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/03/23 17:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/03/23 17:21	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			03/03/23 17:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/03/23 17:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/03/23 17:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/03/23 17:21	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/03/23 17:21	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/03/23 17:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/03/23 17:21	1
Methylene Chloride	**2.0**	**J B**	5.0	1.6	ug/L			03/03/23 17:21	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/03/23 17:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/03/23 17:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/03/23 17:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/03/23 17:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/03/23 17:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/03/23 17:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/03/23 17:21	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/03/23 17:21	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/03/23 17:21	1
Styrene	<0.39		1.0	0.39	ug/L			03/03/23 17:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/03/23 17:21	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/03/23 17:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/03/23 17:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/03/23 17:21	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Client Sample ID: 1001 Tanney Ln Raw
Date Collected: 02/21/23 14:00
Date Received: 03/01/23 09:45

Lab Sample ID: 500-230036-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/03/23 17:21	1
Toluene	<0.15		0.50	0.15	ug/L			03/03/23 17:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/03/23 17:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/03/23 17:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/03/23 17:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/03/23 17:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/03/23 17:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/03/23 17:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/03/23 17:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/03/23 17:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/03/23 17:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/03/23 17:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/03/23 17:21	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/03/23 17:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/03/23 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*03/03/23 17:21*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*03/03/23 17:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*03/03/23 17:21*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*03/03/23 17:21*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Client Sample ID: 1001 Tanney Ln DW
Date Collected: 02/21/23 14:05
Date Received: 03/01/23 09:45

Lab Sample ID: 500-230036-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.2**	**J B**	10	1.7	ug/L			03/03/23 17:45	1
Benzene	<0.15		0.50	0.15	ug/L			03/03/23 17:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/03/23 17:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/03/23 17:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/03/23 17:45	1
Bromoform	<0.48		1.0	0.48	ug/L			03/03/23 17:45	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			03/03/23 17:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/03/23 17:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/03/23 17:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/03/23 17:45	1
Chloroform	<0.37		2.0	0.37	ug/L			03/03/23 17:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/03/23 17:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/03/23 17:45	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/03/23 17:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/03/23 17:45	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/03/23 17:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/03/23 17:45	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/03/23 17:45	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/03/23 17:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/03/23 17:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/03/23 17:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/03/23 17:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/03/23 17:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/03/23 17:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/03/23 17:45	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/03/23 17:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/03/23 17:45	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			03/03/23 17:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/03/23 17:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/03/23 17:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/03/23 17:45	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/03/23 17:45	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/03/23 17:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/03/23 17:45	1
Methylene Chloride	**1.6**	**J B**	5.0	1.6	ug/L			03/03/23 17:45	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/03/23 17:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/03/23 17:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/03/23 17:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/03/23 17:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/03/23 17:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/03/23 17:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/03/23 17:45	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/03/23 17:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/03/23 17:45	1
Styrene	<0.39		1.0	0.39	ug/L			03/03/23 17:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/03/23 17:45	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/03/23 17:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/03/23 17:45	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/03/23 17:45	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Client Sample ID: 1001 Tanney Ln DW
Date Collected: 02/21/23 14:05
Date Received: 03/01/23 09:45

Lab Sample ID: 500-230036-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/03/23 17:45	1
Toluene	<0.15		0.50	0.15	ug/L			03/03/23 17:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/03/23 17:45	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/03/23 17:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/03/23 17:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/03/23 17:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/03/23 17:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/03/23 17:45	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/03/23 17:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/03/23 17:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/03/23 17:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/03/23 17:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/03/23 17:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/03/23 17:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/03/23 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*03/03/23 17:45*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*03/03/23 17:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*03/03/23 17:45*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*03/03/23 17:45*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

GC/MS VOA

Analysis Batch: 701034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-230036-1	1001 Tanney Ln Raw	Total/NA	Water	8260B	
500-230036-2	1001 Tanney Ln DW	Total/NA	Water	8260B	
MB 500-701034/7	Method Blank	Total/NA	Water	8260B	
LCS 500-701034/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-230036-1	1001 Tanney Ln Raw	96	108	98	92
500-230036-2	1001 Tanney Ln DW	94	105	95	92
LCS 500-701034/5	Lab Control Sample	90	102	91	94
MB 500-701034/7	Method Blank	94	106	95	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-701034/7
Matrix: Water
Analysis Batch: 701034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.65	J	10	1.7	ug/L			03/03/23 12:57	1
Benzene	<0.15		0.50	0.15	ug/L			03/03/23 12:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/03/23 12:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/03/23 12:57	1
Bromoform	<0.48		1.0	0.48	ug/L			03/03/23 12:57	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			03/03/23 12:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/03/23 12:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/03/23 12:57	1
Chloroform	<0.37		2.0	0.37	ug/L			03/03/23 12:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/03/23 12:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/03/23 12:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/03/23 12:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/03/23 12:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/03/23 12:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/03/23 12:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/03/23 12:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/03/23 12:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/03/23 12:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/03/23 12:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/03/23 12:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/03/23 12:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/03/23 12:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/03/23 12:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/03/23 12:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/03/23 12:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/03/23 12:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/03/23 12:57	1
Methylene Chloride	1.85	J	5.0	1.6	ug/L			03/03/23 12:57	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/03/23 12:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/03/23 12:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/03/23 12:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/03/23 12:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/03/23 12:57	1
Styrene	<0.39		1.0	0.39	ug/L			03/03/23 12:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/03/23 12:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/03/23 12:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/03/23 12:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-701034/7
Matrix: Water
Analysis Batch: 701034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/03/23 12:57	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/03/23 12:57	1
Toluene	<0.15		0.50	0.15	ug/L			03/03/23 12:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/03/23 12:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/03/23 12:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/03/23 12:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/03/23 12:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/03/23 12:57	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/03/23 12:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/03/23 12:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/03/23 12:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/03/23 12:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/03/23 12:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/03/23 12:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/03/23 12:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*03/03/23 12:57*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*03/03/23 12:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*03/03/23 12:57*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*03/03/23 12:57*	*1*

Lab Sample ID: LCS 500-701034/5
Matrix: Water
Analysis Batch: 701034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	47.8		ug/L		96	40 - 143
Benzene	50.0	44.8		ug/L		90	70 - 120
Bromobenzene	50.0	47.1		ug/L		94	70 - 122
Bromochloromethane	50.0	54.6		ug/L		109	65 - 122
Bromodichloromethane	50.0	51.4		ug/L		103	69 - 120
Bromoform	50.0	63.4		ug/L		127	56 - 132
Carbon disulfide	50.0	53.6		ug/L		107	66 - 120
Carbon tetrachloride	50.0	52.3		ug/L		105	59 - 133
Chlorobenzene	50.0	47.5		ug/L		95	70 - 120
Chloroethane	50.0	53.7		ug/L		107	48 - 136
Chloroform	50.0	46.1		ug/L		92	70 - 120
2-Chlorotoluene	50.0	43.4		ug/L		87	70 - 125
4-Chlorotoluene	50.0	45.2		ug/L		90	68 - 124
cis-1,2-Dichloroethene	50.0	48.1		ug/L		96	70 - 125
cis-1,3-Dichloropropene	50.0	44.4		ug/L		89	64 - 127
Dibromochloromethane	50.0	60.7		ug/L		121	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	45.5		ug/L		91	56 - 123
1,2-Dibromoethane (EDB)	50.0	49.8		ug/L		100	70 - 125
Dichlorodifluoromethane	50.0	33.5		ug/L		67	40 - 159
1,1-Dichloroethane	50.0	41.7		ug/L		83	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-701034/5
Matrix: Water
Analysis Batch: 701034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	44.7		ug/L		89	68 - 127
1,1-Dichloroethene	50.0	54.2		ug/L		108	67 - 122
1,2-Dichloropropane	50.0	41.0		ug/L		82	67 - 130
1,3-Dichloropropane	50.0	46.1		ug/L		92	62 - 136
2,2-Dichloropropane	50.0	41.0		ug/L		82	58 - 139
1,1-Dichloropropene	50.0	44.9		ug/L		90	70 - 121
Ethylbenzene	50.0	46.2		ug/L		92	70 - 123
Hexachlorobutadiene	50.0	26.1		ug/L		52	51 - 150
Isopropylbenzene	50.0	44.4		ug/L		89	70 - 126
1,3-Dichlorobenzene	50.0	45.9		ug/L		92	70 - 125
Bromomethane	50.0	85.5	*	ug/L		171	40 - 152
Chloromethane	50.0	34.5		ug/L		69	56 - 152
Dibromomethane	50.0	50.5		ug/L		101	70 - 120
Methylene Chloride	50.0	51.2		ug/L		102	69 - 125
2-Butanone (MEK)	50.0	46.3		ug/L		93	46 - 144
Methyl tert-butyl ether	50.0	45.2		ug/L		90	55 - 123
Naphthalene	50.0	36.1		ug/L		72	53 - 144
n-Butylbenzene	50.0	42.4		ug/L		85	68 - 125
N-Propylbenzene	50.0	45.4		ug/L		91	69 - 127
1,2-Dichlorobenzene	50.0	46.1		ug/L		92	70 - 125
1,4-Dichlorobenzene	50.0	46.2		ug/L		92	70 - 120
4-Isopropyltoluene	50.0	45.5		ug/L		91	70 - 125
sec-Butylbenzene	50.0	44.5		ug/L		89	70 - 123
Styrene	50.0	48.8		ug/L		98	70 - 120
tert-Butylbenzene	50.0	44.2		ug/L		88	70 - 121
1,1,1,2-Tetrachloroethane	50.0	50.4		ug/L		101	70 - 125
1,1,2,2-Tetrachloroethane	50.0	49.2		ug/L		98	62 - 140
Tetrachloroethene	50.0	46.1		ug/L		92	70 - 128
Tetrahydrofuran	100	80.0		ug/L		80	59 - 139
Toluene	50.0	46.6		ug/L		93	70 - 125
trans-1,2-Dichloroethene	50.0	50.0		ug/L		100	70 - 125
trans-1,3-Dichloropropene	50.0	47.5		ug/L		95	62 - 128
1,2,3-Trichlorobenzene	50.0	30.5		ug/L		61	51 - 145
1,2,4-Trichlorobenzene	50.0	32.4		ug/L		65	57 - 137
1,1,1-Trichloroethane	50.0	45.5		ug/L		91	70 - 125
1,1,2-Trichloroethane	50.0	49.5		ug/L		99	71 - 130
Trichloroethene	50.0	51.2		ug/L		102	70 - 125
Trichlorofluoromethane	50.0	55.1		ug/L		110	55 - 128
1,2,3-Trichloropropane	50.0	51.4		ug/L		103	50 - 133
1,2,4-Trimethylbenzene	50.0	45.3		ug/L		91	70 - 123
1,3,5-Trimethylbenzene	50.0	44.7		ug/L		89	70 - 123
Vinyl chloride	50.0	43.0		ug/L		86	64 - 126
Xylenes, Total	100	90.1		ug/L		90	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-701034/5
Matrix: Water
Analysis Batch: 701034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	94		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-230036-1

Client Sample ID: 1001 Tanney Ln Raw

Lab Sample ID: 500-230036-1

Date Collected: 02/21/23 14:00

Matrix: Water

Date Received: 03/01/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	701034	PMF	EET CHI	03/03/23 17:21

Client Sample ID: 1001 Tanney Ln DW

Lab Sample ID: 500-230036-2

Date Collected: 02/21/23 14:05

Matrix: Water

Date Received: 03/01/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	701034	PMF	EET CHI	03/03/23 17:45

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-230036-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chain of Custody Record

639240 eurofins | Environment Testing America

Address _____

Regulatory Program. DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager Mitch Evenson	Site Contact	Date	COC No
Company Name Cedar Corporation	Tel/Email 715-235-9081	Lab Contact	Carrier	_____ of _____ COCs
Address 604 Wilson Ave	Analysis Turnaround Time			Sampler
City/State/Zip Menomonie, WI 54751	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone 715-235-9081	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name Junker LF Residentials	☐ 1 week			
Site	☐ 2 days			Job / SDG No
P O #	☐ 1 day			500-230036

500-230036 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs	Sample Specific Notes
1	1001 Tanney Ln Raw	2/21/23	1400	G	W	3			X	
2	1001 Tanney Ln DW	2/21/23	1405	G	W	3			X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

-0.1+0.6

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____		
Relinquished by [signature]	Company Cedar Corp	Date/Time 0715 2/28/23	Received by	Company / Date/Time
Relinquished by	Company	Date/Time	Received by	Company / Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by Stephanie Hernandez	Company EETA / Date/Time 3/1/23 0945

500-230036 Waybi

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-230036-1

Login Number: 230036
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.6 Samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

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JOB DESCRIPTION

Junker LF

JOB NUMBER

500-230473-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Job ID: 500-230473-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-230473-1

Receipt
The samples were received on 3/9/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2º C.

Receipt Exceptions
Received all 3 VOA vials for sample 8 with headspace.

GC/MS VOA
Method 8260B: Surrogate recoveries for the following samples were outside the upper control limit: 931 Coyote Lane Raw (500-230473-5) and 931 Florence Lane DW (500-230473-8). These samples did not contain any target analytes above the reporting limit; therefore, re-extraction and/or re-analysis was not performed.

Method 8260B: Acetone was detected in the following samples: 979 LaBarge Rd. Raw (500-230473-2). Acetone is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260B: The laboratory control sample (LCS) for analytical batch 500-702701 recovered outside control limits for the following analytes: Bromomethane, Carbon disulfide, Chlorobromomethane, Chloroform, Methylene Chloride, 1,1-Dichloroethene and trans-1,2-Dichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 500-702701 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated samples are impacted: 979 LaBarge Rd. DW (500-230473-1), 693 Pine Timber Lane Raw (500-230473-3), 693 Pine Timber Lane DW (500-230473-4), 931 Coyote Lane Raw (500-230473-5), 931 Coyote Lane DW (500-230473-6), 931 Florence Lane Raw (500-230473-7) and 931 Florence Lane DW (500-230473-8).

Method 8260B: The continuing calibration verification (CCVIS) for the following batch did not meet control limits for Dichlorodifluoromethane. This poor purging compound was not detected in the impacted sample. Laboratory control sample (LCS) percent recovery is in control for affected analytes.979 LaBarge Rd. Raw (500-230473-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 979 LaBarge Rd. DW — Lab Sample ID: 500-230473-1

No Detections.

Client Sample ID: 979 LaBarge Rd. Raw — Lab Sample ID: 500-230473-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.9	J	10	1.7	ug/L	1		8260B	Total/NA
Trichloroethene	0.60		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 693 Pine Timber Lane Raw — Lab Sample ID: 500-230473-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.3		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 693 Pine Timber Lane DW — Lab Sample ID: 500-230473-4

No Detections.

Client Sample ID: 931 Coyote Lane Raw — Lab Sample ID: 500-230473-5

No Detections.

Client Sample ID: 931 Coyote Lane DW — Lab Sample ID: 500-230473-6

No Detections.

Client Sample ID: 931 Florence Lane Raw — Lab Sample ID: 500-230473-7

No Detections.

Client Sample ID: 931 Florence Lane DW — Lab Sample ID: 500-230473-8

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-230473-1	979 LaBarge Rd. DW	Water	03/07/23 13:25	03/09/23 10:00
500-230473-2	979 LaBarge Rd. Raw	Water	03/07/23 13:20	03/09/23 10:00
500-230473-3	693 Pine Timber Lane Raw	Water	03/07/23 13:00	03/09/23 10:00
500-230473-4	693 Pine Timber Lane DW	Water	03/07/23 13:05	03/09/23 10:00
500-230473-5	931 Coyote Lane Raw	Water	03/06/23 12:45	03/09/23 10:00
500-230473-6	931 Coyote Lane DW	Water	03/06/23 12:50	03/09/23 10:00
500-230473-7	931 Florence Lane Raw	Water	03/06/23 13:00	03/09/23 10:00
500-230473-8	931 Florence Lane DW	Water	03/06/23 13:05	03/09/23 10:00

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 979 LaBarge Rd. DW
Date Collected: 03/07/23 13:25
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 17:26	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 17:26	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 17:26	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 17:26	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 17:26	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 17:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 17:26	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 17:26	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 17:26	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 17:26	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 17:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 17:26	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 17:26	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 17:26	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 17:26	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 17:26	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 17:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 17:26	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 17:26	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 17:26	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 17:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 17:26	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 17:26	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 17:26	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 17:26	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 17:26	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 17:26	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 17:26	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 17:26	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 17:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 17:26	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 17:26	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 17:26	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 17:26	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 17:26	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 17:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 17:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 17:26	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 979 LaBarge Rd. DW
Date Collected: 03/07/23 13:25
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 17:26	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 17:26	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 17:26	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 17:26	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 17:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 17:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 17:26	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 17:26	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 17:26	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 17:26	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 17:26	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 17:26	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*03/15/23 17:26*	*1*
Dibromofluoromethane (Surr)	*119*		*75 - 120*		*03/15/23 17:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 126*		*03/15/23 17:26*	*1*
Toluene-d8 (Surr)	*79*		*75 - 120*		*03/15/23 17:26*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 979 LaBarge Rd. Raw
Date Collected: 03/07/23 13:20
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.9**	**J**	10	1.7	ug/L			03/16/23 12:11	1
Benzene	<0.15		0.50	0.15	ug/L			03/16/23 12:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/16/23 12:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/16/23 12:11	1
Bromoform	<0.48		1.0	0.48	ug/L			03/16/23 12:11	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			03/16/23 12:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/16/23 12:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/16/23 12:11	1
Chloroform	<0.37		2.0	0.37	ug/L			03/16/23 12:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/16/23 12:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/16/23 12:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/16/23 12:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/16/23 12:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/16/23 12:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/16/23 12:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			03/16/23 12:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/16/23 12:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/16/23 12:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/16/23 12:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/16/23 12:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/16/23 12:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/16/23 12:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/16/23 12:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/16/23 12:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/16/23 12:11	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/16/23 12:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/16/23 12:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/16/23 12:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/16/23 12:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/16/23 12:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/16/23 12:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/16/23 12:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/16/23 12:11	1
Styrene	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/16/23 12:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/16/23 12:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/16/23 12:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/16/23 12:11	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 979 LaBarge Rd. Raw
Date Collected: 03/07/23 13:20
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/16/23 12:11	1
Toluene	<0.15		0.50	0.15	ug/L			03/16/23 12:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/16/23 12:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/16/23 12:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/16/23 12:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/16/23 12:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/16/23 12:11	1
Trichloroethene	**0.60**		0.50	0.16	ug/L			03/16/23 12:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/16/23 12:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/16/23 12:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/16/23 12:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/16/23 12:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/16/23 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*03/16/23 12:11*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*03/16/23 12:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*03/16/23 12:11*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*03/16/23 12:11*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 693 Pine Timber Lane Raw

Date Collected: 03/07/23 13:00
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 18:13	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 18:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 18:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 18:13	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 18:13	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 18:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 18:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 18:13	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 18:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 18:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 18:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 18:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 18:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 18:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 18:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 18:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 18:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 18:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 18:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 18:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 18:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 18:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 18:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 18:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:13	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 18:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 18:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 18:13	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 18:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 18:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 18:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 18:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 18:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:13	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 18:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 18:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 18:13	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 693 Pine Timber Lane Raw

Lab Sample ID: 500-230473-3

Date Collected: 03/07/23 13:00

Matrix: Water

Date Received: 03/09/23 10:00

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 18:13	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 18:13	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 18:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 18:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 18:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 18:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 18:13	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			03/15/23 18:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 18:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 18:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 18:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 18:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*03/15/23 18:13*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 120*		*03/15/23 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*03/15/23 18:13*	*1*
Toluene-d8 (Surr)	*81*		*75 - 120*		*03/15/23 18:13*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 693 Pine Timber Lane DW

Lab Sample ID: 500-230473-4

Date Collected: 03/07/23 13:05
Date Received: 03/09/23 10:00

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 18:37	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 18:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 18:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 18:37	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 18:37	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 18:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 18:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 18:37	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 18:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 18:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 18:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 18:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 18:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 18:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 18:37	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 18:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 18:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 18:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 18:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 18:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 18:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 18:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 18:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 18:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:37	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 18:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 18:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 18:37	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 18:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 18:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 18:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 18:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 18:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:37	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 18:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 18:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 18:37	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 693 Pine Timber Lane DW

Lab Sample ID: 500-230473-4

Date Collected: 03/07/23 13:05

Matrix: Water

Date Received: 03/09/23 10:00

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 18:37	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 18:37	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 18:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 18:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 18:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 18:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 18:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 18:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 18:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 18:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 18:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 18:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*03/15/23 18:37*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 120*		*03/15/23 18:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*03/15/23 18:37*	*1*
Toluene-d8 (Surr)	*81*		*75 - 120*		*03/15/23 18:37*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Coyote Lane Raw

Date Collected: 03/06/23 12:45
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 19:00	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 19:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 19:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 19:00	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 19:00	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 19:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 19:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 19:00	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 19:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 19:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 19:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 19:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 19:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 19:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 19:00	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 19:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 19:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 19:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 19:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 19:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 19:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 19:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 19:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 19:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:00	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 19:00	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 19:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 19:00	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 19:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 19:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 19:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 19:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 19:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:00	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 19:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 19:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 19:00	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Coyote Lane Raw
Date Collected: 03/06/23 12:45
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 19:00	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 19:00	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 19:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 19:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 19:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 19:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 19:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 19:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 19:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 19:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 19:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 19:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*03/15/23 19:00*	*1*
Dibromofluoromethane (Surr)	*124*	*X*	*75 - 120*		*03/15/23 19:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*75 - 126*		*03/15/23 19:00*	*1*
Toluene-d8 (Surr)	*77*		*75 - 120*		*03/15/23 19:00*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Coyote Lane DW

Date Collected: 03/06/23 12:50
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 19:24	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 19:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 19:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 19:24	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 19:24	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 19:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 19:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 19:24	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 19:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 19:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 19:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 19:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 19:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 19:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 19:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 19:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 19:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 19:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 19:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 19:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 19:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 19:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 19:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 19:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:24	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 19:24	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 19:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 19:24	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 19:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 19:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 19:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 19:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 19:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:24	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 19:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 19:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 19:24	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Coyote Lane DW

Date Collected: 03/06/23 12:50
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 19:24	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 19:24	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 19:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 19:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 19:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 19:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 19:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 19:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 19:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 19:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 19:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 19:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*03/15/23 19:24*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 120*		*03/15/23 19:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*03/15/23 19:24*	*1*
Toluene-d8 (Surr)	*82*		*75 - 120*		*03/15/23 19:24*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Florence Lane Raw

Date Collected: 03/06/23 13:00
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 20:34	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 20:34	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 20:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 20:34	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 20:34	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 20:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 20:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 20:34	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 20:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 20:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 20:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 20:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 20:34	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 20:34	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 20:34	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 20:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 20:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 20:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 20:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 20:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 20:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 20:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 20:34	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 20:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:34	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 20:34	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 20:34	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 20:34	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 20:34	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 20:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 20:34	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 20:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 20:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:34	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:34	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 20:34	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 20:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 20:34	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Florence Lane Raw

Date Collected: 03/06/23 13:00
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 20:34	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 20:34	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 20:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 20:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 20:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 20:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 20:34	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 20:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 20:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 20:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 20:34	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 20:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*03/15/23 20:34*	*1*
Dibromofluoromethane (Surr)	*120*		*75 - 120*		*03/15/23 20:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 126*		*03/15/23 20:34*	*1*
Toluene-d8 (Surr)	*81*		*75 - 120*		*03/15/23 20:34*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Florence Lane DW

Date Collected: 03/06/23 13:05
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 20:57	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 20:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 20:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 20:57	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 20:57	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 20:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 20:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 20:57	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 20:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 20:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 20:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 20:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 20:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 20:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 20:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 20:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 20:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 20:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 20:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 20:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 20:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 20:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 20:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 20:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:57	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 20:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 20:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 20:57	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 20:57	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 20:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 20:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 20:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 20:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:57	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 20:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 20:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 20:57	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Florence Lane DW

Date Collected: 03/06/23 13:05
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 20:57	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 20:57	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 20:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 20:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 20:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 20:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 20:57	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 20:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 20:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 20:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 20:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 20:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*03/15/23 20:57*	*1*
Dibromofluoromethane (Surr)	*121*	*X*	*75 - 120*		*03/15/23 20:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*03/15/23 20:57*	*1*
Toluene-d8 (Surr)	*76*		*75 - 120*		*03/15/23 20:57*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

GC/MS VOA

Analysis Batch: 702701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-230473-1	979 LaBarge Rd. DW	Total/NA	Water	8260B	
500-230473-3	693 Pine Timber Lane Raw	Total/NA	Water	8260B	
500-230473-4	693 Pine Timber Lane DW	Total/NA	Water	8260B	
500-230473-5	931 Coyote Lane Raw	Total/NA	Water	8260B	
500-230473-6	931 Coyote Lane DW	Total/NA	Water	8260B	
500-230473-7	931 Florence Lane Raw	Total/NA	Water	8260B	
500-230473-8	931 Florence Lane DW	Total/NA	Water	8260B	
MB 500-702701/8	Method Blank	Total/NA	Water	8260B	
LCS 500-702701/25	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 702800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-230473-2	979 LaBarge Rd. Raw	Total/NA	Water	8260B	
MB 500-702800/7	Method Blank	Total/NA	Water	8260B	
LCS 500-702800/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-230473-1	979 LaBarge Rd. DW	101	119	114	79
500-230473-2	979 LaBarge Rd. Raw	105	89	93	95
500-230473-3	693 Pine Timber Lane Raw	100	118	115	81
500-230473-4	693 Pine Timber Lane DW	99	118	111	81
500-230473-5	931 Coyote Lane Raw	101	124 X	124	77
500-230473-6	931 Coyote Lane DW	99	116	115	82
500-230473-7	931 Florence Lane Raw	102	120	117	81
500-230473-8	931 Florence Lane DW	98	121 X	118	76
LCS 500-702701/25	Lab Control Sample	92	107	105	83
LCS 500-702800/5	Lab Control Sample	107	91	93	94
MB 500-702701/8	Method Blank	101	116	116	82
MB 500-702800/7	Method Blank	106	90	93	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-702701/8
Matrix: Water
Analysis Batch: 702701

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 16:39	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 16:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 16:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/15/23 16:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 16:39	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 16:39	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			03/15/23 16:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 16:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 16:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 16:39	1
Chloroform	<0.37		2.0	0.37	ug/L			03/15/23 16:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 16:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 16:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 16:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 16:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 16:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 16:39	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 16:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 16:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 16:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 16:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/15/23 16:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 16:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 16:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 16:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 16:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 16:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 16:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 16:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 16:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 16:39	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/15/23 16:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 16:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 16:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/15/23 16:39	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 16:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 16:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 16:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 16:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 16:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 16:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 16:39	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 16:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 16:39	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 16:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 16:39	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 16:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 16:39	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-702701/8
Matrix: Water
Analysis Batch: 702701

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 16:39	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 16:39	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 16:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/15/23 16:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 16:39	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 16:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 16:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 16:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 16:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 16:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 16:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 16:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 16:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 16:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 16:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*03/15/23 16:39*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 120*		*03/15/23 16:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 126*		*03/15/23 16:39*	*1*
Toluene-d8 (Surr)	*82*		*75 - 120*		*03/15/23 16:39*	*1*

Lab Sample ID: LCS 500-702701/25
Matrix: Water
Analysis Batch: 702701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	68.8		ug/L		138	40 - 143
Benzene	50.0	52.4		ug/L		105	70 - 120
Bromobenzene	50.0	49.7		ug/L		99	70 - 122
Bromochloromethane	50.0	63.2	*	ug/L		126	65 - 122
Bromodichloromethane	50.0	56.8		ug/L		114	69 - 120
Bromoform	50.0	57.8		ug/L		116	56 - 132
Carbon disulfide	50.0	68.3	*	ug/L		137	66 - 120
Carbon tetrachloride	50.0	62.1		ug/L		124	59 - 133
Chlorobenzene	50.0	50.3		ug/L		101	70 - 120
Chloroethane	50.0	52.9		ug/L		106	48 - 136
Chloroform	50.0	60.3	*	ug/L		121	70 - 120
2-Chlorotoluene	50.0	50.0		ug/L		100	70 - 125
4-Chlorotoluene	50.0	52.4		ug/L		105	68 - 124
cis-1,2-Dichloroethene	50.0	58.9		ug/L		118	70 - 125
cis-1,3-Dichloropropene	50.0	42.3		ug/L		85	64 - 127
Dibromochloromethane	50.0	54.5		ug/L		109	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	52.6		ug/L		105	56 - 123
1,2-Dibromoethane (EDB)	50.0	52.4		ug/L		105	70 - 125
Dichlorodifluoromethane	50.0	34.0		ug/L		68	40 - 159
1,1-Dichloroethane	50.0	62.3		ug/L		125	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-702701/25
Matrix: Water
Analysis Batch: 702701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	55.0		ug/L		110	68 - 127
1,1-Dichloroethene	50.0	62.2	*	ug/L		124	67 - 122
1,2-Dichloropropane	50.0	53.1		ug/L		106	67 - 130
1,3-Dichloropropane	50.0	48.9		ug/L		98	62 - 136
2,2-Dichloropropane	50.0	59.9		ug/L		120	58 - 139
1,1-Dichloropropene	50.0	52.5		ug/L		105	70 - 121
Ethylbenzene	50.0	47.5		ug/L		95	70 - 123
Hexachlorobutadiene	50.0	53.6		ug/L		107	51 - 150
Isopropylbenzene	50.0	44.9		ug/L		90	70 - 126
1,3-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 125
Bromomethane	50.0	78.0	*	ug/L		156	40 - 152
Chloromethane	50.0	46.7		ug/L		93	56 - 152
Dibromomethane	50.0	58.9		ug/L		118	70 - 120
Methylene Chloride	50.0	63.6	*	ug/L		127	69 - 125
2-Butanone (MEK)	50.0	49.7		ug/L		99	46 - 144
Methyl tert-butyl ether	50.0	60.2		ug/L		120	55 - 123
Naphthalene	50.0	39.3		ug/L		79	53 - 144
n-Butylbenzene	50.0	48.0		ug/L		96	68 - 125
N-Propylbenzene	50.0	50.1		ug/L		100	69 - 127
1,2-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 125
1,4-Dichlorobenzene	50.0	50.6		ug/L		101	70 - 120
4-Isopropyltoluene	50.0	47.1		ug/L		94	70 - 125
sec-Butylbenzene	50.0	48.6		ug/L		97	70 - 123
Styrene	50.0	51.0		ug/L		102	70 - 120
tert-Butylbenzene	50.0	45.9		ug/L		92	70 - 121
1,1,1,2-Tetrachloroethane	50.0	54.7		ug/L		109	70 - 125
1,1,2,2-Tetrachloroethane	50.0	59.4		ug/L		119	62 - 140
Tetrachloroethene	50.0	48.1		ug/L		96	70 - 128
Tetrahydrofuran	100	104		ug/L		104	59 - 139
Toluene	50.0	43.0		ug/L		86	70 - 125
trans-1,2-Dichloroethene	50.0	64.1	*	ug/L		128	70 - 125
trans-1,3-Dichloropropene	50.0	45.3		ug/L		91	62 - 128
1,2,3-Trichlorobenzene	50.0	39.3		ug/L		79	51 - 145
1,2,4-Trichlorobenzene	50.0	43.6		ug/L		87	57 - 137
1,1,1-Trichloroethane	50.0	60.9		ug/L		122	70 - 125
1,1,2-Trichloroethane	50.0	53.3		ug/L		107	71 - 130
Trichloroethene	50.0	47.6		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	55.9		ug/L		112	55 - 128
1,2,3-Trichloropropane	50.0	60.9		ug/L		122	50 - 133
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 123
1,3,5-Trimethylbenzene	50.0	48.6		ug/L		97	70 - 123
Vinyl chloride	50.0	49.4		ug/L		99	64 - 126
Xylenes, Total	100	99.2		ug/L		99	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane (Surr)	*107*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-702701/25
Matrix: Water
Analysis Batch: 702701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	83		75 - 120

Lab Sample ID: MB 500-702800/7
Matrix: Water
Analysis Batch: 702800

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/16/23 11:22	1
Benzene	<0.15		0.50	0.15	ug/L			03/16/23 11:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/16/23 11:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/16/23 11:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/16/23 11:22	1
Bromoform	<0.48		1.0	0.48	ug/L			03/16/23 11:22	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			03/16/23 11:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/16/23 11:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/16/23 11:22	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/16/23 11:22	1
Chloroform	<0.37		2.0	0.37	ug/L			03/16/23 11:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/16/23 11:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/16/23 11:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/16/23 11:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/16/23 11:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/16/23 11:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/16/23 11:22	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/16/23 11:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/16/23 11:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/16/23 11:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/16/23 11:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/16/23 11:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/16/23 11:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/16/23 11:22	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/16/23 11:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/16/23 11:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/16/23 11:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/16/23 11:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/16/23 11:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/16/23 11:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/16/23 11:22	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/16/23 11:22	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/16/23 11:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/16/23 11:22	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/16/23 11:22	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/16/23 11:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/16/23 11:22	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/16/23 11:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/16/23 11:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/16/23 11:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/16/23 11:22	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-702800/7
Matrix: Water
Analysis Batch: 702800

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/16/23 11:22	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/16/23 11:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/16/23 11:22	1
Styrene	<0.39		1.0	0.39	ug/L			03/16/23 11:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/16/23 11:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/16/23 11:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/16/23 11:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/16/23 11:22	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/16/23 11:22	1
Toluene	<0.15		0.50	0.15	ug/L			03/16/23 11:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/16/23 11:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/16/23 11:22	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/16/23 11:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/16/23 11:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/16/23 11:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/16/23 11:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/16/23 11:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/16/23 11:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/16/23 11:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/16/23 11:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/16/23 11:22	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/16/23 11:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/16/23 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*03/16/23 11:22*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*03/16/23 11:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*03/16/23 11:22*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*03/16/23 11:22*	*1*

Lab Sample ID: LCS 500-702800/5
Matrix: Water
Analysis Batch: 702800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	45.3		ug/L		91	40 - 143
Benzene	50.0	49.1		ug/L		98	70 - 120
Bromobenzene	50.0	50.9		ug/L		102	70 - 122
Bromochloromethane	50.0	46.7		ug/L		93	65 - 122
Bromodichloromethane	50.0	48.4		ug/L		97	69 - 120
Bromoform	50.0	49.4		ug/L		99	56 - 132
Carbon disulfide	50.0	47.6		ug/L		95	66 - 120
Carbon tetrachloride	50.0	45.8		ug/L		92	59 - 133
Chlorobenzene	50.0	50.0		ug/L		100	70 - 120
Chloroethane	50.0	48.5		ug/L		97	48 - 136
Chloroform	50.0	50.0		ug/L		100	70 - 120
2-Chlorotoluene	50.0	48.3		ug/L		97	70 - 125
4-Chlorotoluene	50.0	49.4		ug/L		99	68 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-702800/5
Matrix: Water
Analysis Batch: 702800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 125
cis-1,3-Dichloropropene	50.0	49.2		ug/L		98	64 - 127
Dibromochloromethane	50.0	47.2		ug/L		94	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	41.9		ug/L		84	56 - 123
1,2-Dibromoethane (EDB)	50.0	50.1		ug/L		100	70 - 125
Dichlorodifluoromethane	50.0	22.9		ug/L		46	40 - 159
1,1-Dichloroethane	50.0	50.1		ug/L		100	70 - 125
1,2-Dichloroethane	50.0	48.0		ug/L		96	68 - 127
1,1-Dichloroethene	50.0	48.5		ug/L		97	67 - 122
1,2-Dichloropropane	50.0	53.8		ug/L		108	67 - 130
1,3-Dichloropropane	50.0	54.2		ug/L		108	62 - 136
2,2-Dichloropropane	50.0	47.6		ug/L		95	58 - 139
1,1-Dichloropropene	50.0	49.1		ug/L		98	70 - 121
Ethylbenzene	50.0	46.8		ug/L		94	70 - 123
Hexachlorobutadiene	50.0	43.9		ug/L		88	51 - 150
Isopropylbenzene	50.0	46.9		ug/L		94	70 - 126
1,3-Dichlorobenzene	50.0	47.9		ug/L		96	70 - 125
Bromomethane	50.0	42.8		ug/L		86	40 - 152
Chloromethane	50.0	34.6		ug/L		69	56 - 152
Dibromomethane	50.0	47.8		ug/L		96	70 - 120
Methylene Chloride	50.0	46.2		ug/L		92	69 - 125
2-Butanone (MEK)	50.0	55.3		ug/L		111	46 - 144
Methyl tert-butyl ether	50.0	50.3		ug/L		101	55 - 123
Naphthalene	50.0	46.4		ug/L		93	53 - 144
n-Butylbenzene	50.0	43.7		ug/L		87	68 - 125
N-Propylbenzene	50.0	48.3		ug/L		97	69 - 127
1,2-Dichlorobenzene	50.0	46.1		ug/L		92	70 - 125
1,4-Dichlorobenzene	50.0	46.6		ug/L		93	70 - 120
4-Isopropyltoluene	50.0	44.7		ug/L		89	70 - 125
sec-Butylbenzene	50.0	44.8		ug/L		90	70 - 123
Styrene	50.0	48.7		ug/L		97	70 - 120
tert-Butylbenzene	50.0	45.5		ug/L		91	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.3		ug/L		93	70 - 125
1,1,2,2-Tetrachloroethane	50.0	54.9		ug/L		110	62 - 140
Tetrachloroethene	50.0	52.4		ug/L		105	70 - 128
Tetrahydrofuran	100	95.4		ug/L		95	59 - 139
Toluene	50.0	50.6		ug/L		101	70 - 125
trans-1,2-Dichloroethene	50.0	48.4		ug/L		97	70 - 125
trans-1,3-Dichloropropene	50.0	50.4		ug/L		101	62 - 128
1,2,3-Trichlorobenzene	50.0	48.7		ug/L		97	51 - 145
1,2,4-Trichlorobenzene	50.0	52.6		ug/L		105	57 - 137
1,1,1-Trichloroethane	50.0	47.9		ug/L		96	70 - 125
1,1,2-Trichloroethane	50.0	54.3		ug/L		109	71 - 130
Trichloroethene	50.0	49.5		ug/L		99	70 - 125
Trichlorofluoromethane	50.0	44.8		ug/L		90	55 - 128
1,2,3-Trichloropropane	50.0	50.0		ug/L		100	50 - 133
1,2,4-Trimethylbenzene	50.0	46.0		ug/L		92	70 - 123
1,3,5-Trimethylbenzene	50.0	46.4		ug/L		93	70 - 123
Vinyl chloride	50.0	44.2		ug/L		88	64 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-702800/5
Matrix: Water
Analysis Batch: 702800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			100	96.4		ug/L		96	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*
Dibromofluoromethane (Surr)	*91*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 979 LaBarge Rd. DW
Lab Sample ID: 500-230473-1
Date Collected: 03/07/23 13:25
Matrix: Water
Date Received: 03/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	702701	W1T	EET CHI	03/15/23 17:26

Client Sample ID: 979 LaBarge Rd. Raw
Lab Sample ID: 500-230473-2
Date Collected: 03/07/23 13:20
Matrix: Water
Date Received: 03/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	702800	PMF	EET CHI	03/16/23 12:11

Client Sample ID: 693 Pine Timber Lane Raw
Lab Sample ID: 500-230473-3
Date Collected: 03/07/23 13:00
Matrix: Water
Date Received: 03/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	702701	W1T	EET CHI	03/15/23 18:13

Client Sample ID: 693 Pine Timber Lane DW
Lab Sample ID: 500-230473-4
Date Collected: 03/07/23 13:05
Matrix: Water
Date Received: 03/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	702701	W1T	EET CHI	03/15/23 18:37

Client Sample ID: 931 Coyote Lane Raw
Lab Sample ID: 500-230473-5
Date Collected: 03/06/23 12:45
Matrix: Water
Date Received: 03/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	702701	W1T	EET CHI	03/15/23 19:00

Client Sample ID: 931 Coyote Lane DW
Lab Sample ID: 500-230473-6
Date Collected: 03/06/23 12:50
Matrix: Water
Date Received: 03/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	702701	W1T	EET CHI	03/15/23 19:24

Client Sample ID: 931 Florence Lane Raw
Lab Sample ID: 500-230473-7
Date Collected: 03/06/23 13:00
Matrix: Water
Date Received: 03/09/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	702701	W1T	EET CHI	03/15/23 20:34

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Florence Lane DW

Date Collected: 03/06/23 13:05
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	702701	W1T	EET CHI	03/15/23 20:57

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chain of Custody Record

639203 eurofins | Environment Testing America

Address _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact	Date	COC No
Company Name: Cedar Corp	Mitch Evenson		3/8/2023	_____ of _____ COCs
Address: 604 Wilson Ave	Tel/Email	Lab Contact: Sandie K.	Carrier	Sampler
City/State/Zip: Menomonie / WI / 54751	Analysis Turnaround Time			For Lab Use Only
Phone: 715-235-9081	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk in Client
Fax	TAT if different from Below _____			Lab Sampling
Project Name: Timber LF	☐ 2 weeks			Job / SDG No
Site	☐ 1 week			500-230473
P O #	☐ 2 days			
500-230473 COC	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs	Sample Specific Notes
1 979 La Barge Rd Rear DW	3/7/23	1325	G	W	3			X	
2 979 La Barge Rd. Rear	3/7/23	1320	G	W	3			X	
3 693 Pine Timber Lane Rear	3/7/23	1300	G	W	3			X	
4 693 Pine Timber Lane DW	3/7/23	1305	G	W	3			X	
5 931 Coyote Lane Rear	3/6/23	1245	G	W	3			X	
6 931 Coyote Lane DW	3/6/23	1250	G	W	3			X	
7 931 Florence Lane Rear	3/6/23	1300	G	W	3			X	
8 931 Florence Lane DW	3/6/23	1305	G	W	3			X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 4.3 Corr'd 3.2 | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Cedar Corp	3/8/23 1400			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			[signature]	EET	3/9/23 1000

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-230473-1

Login Number: 230473
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 4/18/2023 1:31:49 PM

JOB DESCRIPTION

Junker LF Residentials 01972

JOB NUMBER

500-231910-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

Job ID: 500-231910-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-231910-1

Comments
No additional comments.

Receipt
The sample was received on 4/7/2023 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -1.8º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

Client Sample ID: 961 Bakken Road Raw

Lab Sample ID: 500-231910-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	0.33	J	1.0	0.20	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231910-1	961 Bakken Road Raw	Water	04/05/23 08:35	04/07/23 10:00

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

Client Sample ID: 961 Bakken Road Raw
Date Collected: 04/05/23 08:35
Date Received: 04/07/23 10:00

Lab Sample ID: 500-231910-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/17/23 15:08	1
Benzene	<0.15		0.50	0.15	ug/L			04/17/23 15:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/17/23 15:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/17/23 15:08	1
Bromoform	<0.48		1.0	0.48	ug/L			04/17/23 15:08	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			04/17/23 15:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/17/23 15:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/17/23 15:08	1
Chloroform	<0.37		2.0	0.37	ug/L			04/17/23 15:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/17/23 15:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/17/23 15:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/17/23 15:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/17/23 15:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/17/23 15:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/17/23 15:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/17/23 15:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/17/23 15:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/17/23 15:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/17/23 15:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/17/23 15:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/17/23 15:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/17/23 15:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/17/23 15:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/17/23 15:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/17/23 15:08	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/17/23 15:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/17/23 15:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/17/23 15:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/17/23 15:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/17/23 15:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/17/23 15:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/17/23 15:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 15:08	1
Styrene	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 15:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/17/23 15:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/17/23 15:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/17/23 15:08	1

Client: Cedar Corporation
Job ID: 500-231910-1
Project/Site: Junker LF Residentials 01972

Client Sample ID: 961 Bakken Road Raw
Lab Sample ID: 500-231910-1
Date Collected: 04/05/23 08:35
Matrix: Water
Date Received: 04/07/23 10:00

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/17/23 15:08	1
Toluene	<0.15		0.50	0.15	ug/L			04/17/23 15:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/17/23 15:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/17/23 15:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/17/23 15:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/17/23 15:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/17/23 15:08	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			04/17/23 15:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/17/23 15:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/17/23 15:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/17/23 15:08	1
Vinyl chloride	**0.33**	**J**	1.0	0.20	ug/L			04/17/23 15:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/17/23 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*04/17/23 15:08*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*04/17/23 15:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*04/17/23 15:08*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*04/17/23 15:08*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

GC/MS VOA

Analysis Batch: 707998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231910-1	961 Bakken Road Raw	Total/NA	Water	8260B	
MB 500-707998/7	Method Blank	Total/NA	Water	8260B	
LCS 500-707998/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-231910-1	961 Bakken Road Raw	105	93	95	93
LCS 500-707998/5	Lab Control Sample	104	95	91	93
MB 500-707998/7	Method Blank	103	92	93	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-707998/7
Matrix: Water
Analysis Batch: 707998

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.47	J	10	1.7	ug/L			04/17/23 11:04	1
Benzene	<0.15		0.50	0.15	ug/L			04/17/23 11:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/17/23 11:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/17/23 11:04	1
Bromoform	<0.48		1.0	0.48	ug/L			04/17/23 11:04	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			04/17/23 11:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/17/23 11:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/17/23 11:04	1
Chloroform	<0.37		2.0	0.37	ug/L			04/17/23 11:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/17/23 11:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/17/23 11:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/17/23 11:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/17/23 11:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/17/23 11:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/17/23 11:04	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/17/23 11:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/17/23 11:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/17/23 11:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/17/23 11:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/17/23 11:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/17/23 11:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/17/23 11:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/17/23 11:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/17/23 11:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/17/23 11:04	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/17/23 11:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/17/23 11:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/17/23 11:04	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/17/23 11:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/17/23 11:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/17/23 11:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/17/23 11:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 11:04	1
Styrene	<0.39		1.0	0.39	ug/L			04/17/23 11:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 11:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/17/23 11:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/17/23 11:04	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-707998/7
Matrix: Water
Analysis Batch: 707998

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/17/23 11:04	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/17/23 11:04	1
Toluene	<0.15		0.50	0.15	ug/L			04/17/23 11:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/17/23 11:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/17/23 11:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/17/23 11:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/17/23 11:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/17/23 11:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/17/23 11:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/17/23 11:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/17/23 11:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/17/23 11:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/17/23 11:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/17/23 11:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/17/23 11:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*04/17/23 11:04*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*04/17/23 11:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*04/17/23 11:04*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*04/17/23 11:04*	*1*

Lab Sample ID: LCS 500-707998/5
Matrix: Water
Analysis Batch: 707998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	54.2		ug/L		108	40 - 143
Benzene	50.0	51.8		ug/L		104	70 - 120
Bromobenzene	50.0	51.6		ug/L		103	70 - 122
Bromochloromethane	50.0	47.7		ug/L		95	65 - 122
Bromodichloromethane	50.0	49.0		ug/L		98	69 - 120
Bromoform	50.0	41.7		ug/L		83	56 - 132
Carbon disulfide	50.0	48.6		ug/L		97	66 - 120
Carbon tetrachloride	50.0	48.8		ug/L		98	59 - 133
Chlorobenzene	50.0	50.8		ug/L		102	70 - 120
Chloroethane	50.0	54.0		ug/L		108	48 - 136
Chloroform	50.0	52.9		ug/L		106	70 - 120
2-Chlorotoluene	50.0	51.1		ug/L		102	70 - 125
4-Chlorotoluene	50.0	51.8		ug/L		104	68 - 124
cis-1,2-Dichloroethene	50.0	49.2		ug/L		98	70 - 125
cis-1,3-Dichloropropene	50.0	49.2		ug/L		98	64 - 127
Dibromochloromethane	50.0	44.0		ug/L		88	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	40.8		ug/L		82	56 - 123
1,2-Dibromoethane (EDB)	50.0	49.1		ug/L		98	70 - 125
Dichlorodifluoromethane	50.0	49.4		ug/L		99	40 - 159
1,1-Dichloroethane	50.0	51.0		ug/L		102	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-707998/5
Matrix: Water
Analysis Batch: 707998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	47.6		ug/L		95	68 - 127
1,1-Dichloroethene	50.0	49.8		ug/L		100	67 - 122
1,2-Dichloropropane	50.0	53.0		ug/L		106	67 - 130
1,3-Dichloropropane	50.0	50.8		ug/L		102	62 - 136
2,2-Dichloropropane	50.0	51.8		ug/L		104	58 - 139
1,1-Dichloropropene	50.0	52.7		ug/L		105	70 - 121
Ethylbenzene	50.0	49.5		ug/L		99	70 - 123
Hexachlorobutadiene	50.0	48.0		ug/L		96	51 - 150
Isopropylbenzene	50.0	52.4		ug/L		105	70 - 126
1,3-Dichlorobenzene	50.0	49.3		ug/L		99	70 - 125
Bromomethane	50.0	42.5		ug/L		85	40 - 152
Chloromethane	50.0	49.3		ug/L		99	56 - 152
Dibromomethane	50.0	46.1		ug/L		92	70 - 120
Methylene Chloride	50.0	48.4		ug/L		97	69 - 125
2-Butanone (MEK)	50.0	55.6		ug/L		111	46 - 144
Methyl tert-butyl ether	50.0	48.4		ug/L		97	55 - 123
Naphthalene	50.0	47.7		ug/L		95	53 - 144
n-Butylbenzene	50.0	48.6		ug/L		97	68 - 125
N-Propylbenzene	50.0	50.4		ug/L		101	69 - 127
1,2-Dichlorobenzene	50.0	47.9		ug/L		96	70 - 125
1,4-Dichlorobenzene	50.0	49.4		ug/L		99	70 - 120
4-Isopropyltoluene	50.0	51.0		ug/L		102	70 - 125
sec-Butylbenzene	50.0	51.4		ug/L		103	70 - 123
Styrene	50.0	50.8		ug/L		102	70 - 120
tert-Butylbenzene	50.0	52.5		ug/L		105	70 - 121
1,1,1,2-Tetrachloroethane	50.0	45.9		ug/L		92	70 - 125
1,1,2,2-Tetrachloroethane	50.0	53.5		ug/L		107	62 - 140
Tetrachloroethene	50.0	52.7		ug/L		105	70 - 128
Tetrahydrofuran	100	103		ug/L		103	59 - 139
Toluene	50.0	52.0		ug/L		104	70 - 125
trans-1,2-Dichloroethene	50.0	48.4		ug/L		97	70 - 125
trans-1,3-Dichloropropene	50.0	47.6		ug/L		95	62 - 128
1,2,3-Trichlorobenzene	50.0	45.3		ug/L		91	51 - 145
1,2,4-Trichlorobenzene	50.0	51.2		ug/L		102	57 - 137
1,1,1-Trichloroethane	50.0	50.1		ug/L		100	70 - 125
1,1,2-Trichloroethane	50.0	52.7		ug/L		105	71 - 130
Trichloroethene	50.0	50.7		ug/L		101	70 - 125
Trichlorofluoromethane	50.0	49.2		ug/L		98	55 - 128
1,2,3-Trichloropropane	50.0	50.9		ug/L		102	50 - 133
1,2,4-Trimethylbenzene	50.0	52.1		ug/L		104	70 - 123
1,3,5-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 123
Vinyl chloride	50.0	44.8		ug/L		90	64 - 126
Xylenes, Total	100	98.3		ug/L		98	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*
Dibromofluoromethane (Surr)	*95*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-707998/5
Matrix: Water
Analysis Batch: 707998

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	93		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

Client Sample ID: 961 Bakken Road Raw

Date Collected: 04/05/23 08:35
Date Received: 04/07/23 10:00

Lab Sample ID: 500-231910-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	707998	W1T	EET CHI	04/17/23 15:08

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-231910-1
Project/Site: Junker LF Residentials 01972

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chain of Custody Record

639244 eurofins | Environment Testing America

Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager Mitch Evenson	Site Contact	Date	COC No
Company Name Cedar Corporation	Tel/Email mitch.evenson@cedarcorp.com	Lab Contact	Carrier	_____ of _____ COCs
Address 404 Wilson Avenue	Analysis Turnaround Time			Sampler
City/State/Zip Menomonie, WI 54751	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone 715-235-9081	TAT if different from Below _____			Walk-in Client
Fax	☐ 2 weeks			Lab Sampling
Project Name Junker LF Residentials	☐ 1 week			
Site	☐ 2 days			Job / SDG No
P O #	☐ 1 day			500-231910

500-231910 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs	Sample Specific Notes
961 Bakken Road Raw	4/5/23	0835	G	W	3			X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

-0.6+-1.8

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Cedar Corp	0715 4/6/23			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
			Stephanie Hernandez	EETA	4/7/23 1000

500-231910 Waybi

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-231910-1
SDG Number:

Login Number: 231910
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-1.8 Samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

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JOB DESCRIPTION

Junker LF

JOB NUMBER

500-234148-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Job ID: 500-234148-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-234148-1

Comments
No additional comments.

Receipt
The samples were received on 5/22/2023 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
Method 8260B: Reanalysis of the following sample(s) was performed outside of the analytical holding time. Sample had carryover from previous sample, and sample was reanalyzed outside hold time. Impacted analytes have H flag. : 953 Florence Ln. DW (500-234148-4), 894 Young Rd. DW (500-234148-7), 985 Drover Trl. DW (500-234148-10) and 965 Fraser Ln DW (500-234148-14).

Method 8260B: The laboratory control sample (LCS) for analytical batch 500-715379 recovered outside control limits for the following analytes: Bromobenzene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The method blank for analytical batch 500-715379 contained Hexachlorobutadiene, Isopropylbenzene, Naphthalene, n-Butylbenzene, N-Propylbenzene, 4-Isopropyltoluene, sec-Butylbenzene, tert-Butylbenzene, 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260B: Acetone was detected in the following samples: 881 Yellowstone Trl Raw (500-234148-1), 667 Pine Timber Ln. Raw (500-234148-2), 953 Florence Ln. Raw (500-234148-3), 953 Florence Ln. DW (500-234148-4), 894 Young Rd. Raw (500-234148-6), 894 Young Rd. DW (500-234148-7) and 975 LaBarge Rd. Raw (500-234148-15) Acetone is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 881 Yellowstone Trl Raw — Lab Sample ID: 500-234148-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.2	J	10	1.7	ug/L	1		8260B	Total/NA
n-Butylbenzene	0.71	J B	1.0	0.39	ug/L	1		8260B	Total/NA
N-Propylbenzene	0.63	J B	1.0	0.41	ug/L	1		8260B	Total/NA
sec-Butylbenzene	0.68	J B	1.0	0.40	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.69	J B	1.0	0.40	ug/L	1		8260B	Total/NA
Trichloroethene	0.32	J	0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.76	J B	1.0	0.36	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.79	J B	1.0	0.25	ug/L	1		8260B	Total/NA

Client Sample ID: 667 Pine Timber Ln. Raw — Lab Sample ID: 500-234148-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.9	J	10	1.7	ug/L	1		8260B	Total/NA
n-Butylbenzene	0.69	J B	1.0	0.39	ug/L	1		8260B	Total/NA
sec-Butylbenzene	0.67	J B	1.0	0.40	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.74	J B	1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: 953 Florence Ln. Raw — Lab Sample ID: 500-234148-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.2	J	10	1.7	ug/L	1		8260B	Total/NA
n-Butylbenzene	0.68	J B	1.0	0.39	ug/L	1		8260B	Total/NA
4-Isopropyltoluene	0.77	J B	1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	0.66	J B	1.0	0.40	ug/L	1		8260B	Total/NA
Trichloroethene	1.6		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.74	J B	1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: 953 Florence Ln. DW — Lab Sample ID: 500-234148-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	J	10	1.7	ug/L	1		8260B	Total/NA

Client Sample ID: 949 Florence Ln. Raw — Lab Sample ID: 500-234148-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	0.66	J B	1.0	0.39	ug/L	1		8260B	Total/NA
Trichloroethene	1.4		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 894 Young Rd. Raw — Lab Sample ID: 500-234148-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.8	J	10	1.7	ug/L	1		8260B	Total/NA
n-Butylbenzene	0.66	J B	1.0	0.39	ug/L	1		8260B	Total/NA
Trichloroethene	2.8		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 894 Young Rd. DW — Lab Sample ID: 500-234148-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.8	J	10	1.7	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 998 Tanney Ln. Raw — Lab Sample ID: 500-234148-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	0.65	J B	1.0	0.39	ug/L	1		8260B	Total/NA

Client Sample ID: 985 Drover Trl. Raw — Lab Sample ID: 500-234148-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	0.65	J B	1.0	0.39	ug/L	1		8260B	Total/NA
N-Propylbenzene	0.62	J B	1.0	0.41	ug/L	1		8260B	Total/NA
4-Isopropyltoluene	0.75	J B	1.0	0.36	ug/L	1		8260B	Total/NA
Trichloroethene	0.58		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.74	J B	1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: 985 Drover Trl. DW — Lab Sample ID: 500-234148-10

No Detections.

Client Sample ID: 927 Fraser Ln. Raw — Lab Sample ID: 500-234148-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	0.65	J B	1.0	0.39	ug/L	1		8260B	Total/NA
Trichloroethene	0.36	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 970 Florence Ln Raw — Lab Sample ID: 500-234148-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.94		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 965 Fraser Ln Raw — Lab Sample ID: 500-234148-13

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.6		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 965 Fraser Ln DW — Lab Sample ID: 500-234148-14

No Detections.

Client Sample ID: 975 LaBarge Rd. Raw — Lab Sample ID: 500-234148-15

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8	J	10	1.7	ug/L	1		8260B	Total/NA
Trichloroethene	0.84		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 848 Hillside Trl. Raw — Lab Sample ID: 500-234148-16

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.6		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-234148-1	881 Yellowstone Trl Raw	Water	05/16/23 09:15	05/22/23 09:40
500-234148-2	667 Pine Timber Ln. Raw	Water	05/16/23 09:30	05/22/23 09:40
500-234148-3	953 Florence Ln. Raw	Water	05/16/23 09:45	05/22/23 09:40
500-234148-4	953 Florence Ln. DW	Water	05/16/23 09:50	05/22/23 09:40
500-234148-5	949 Florence Ln. Raw	Water	05/16/23 10:00	05/22/23 09:40
500-234148-6	894 Young Rd. Raw	Water	05/16/23 10:15	05/22/23 09:40
500-234148-7	894 Young Rd. DW	Water	05/16/23 10:20	05/22/23 09:40
500-234148-8	998 Tanney Ln. Raw	Water	05/16/23 10:30	05/22/23 09:40
500-234148-9	985 Drover Trl. Raw	Water	05/16/23 11:00	05/22/23 09:40
500-234148-10	985 Drover Trl. DW	Water	05/16/23 11:05	05/22/23 09:40
500-234148-11	927 Fraser Ln. Raw	Water	05/16/23 11:15	05/22/23 09:40
500-234148-12	970 Florence Ln Raw	Water	05/16/23 11:30	05/22/23 09:40
500-234148-13	965 Fraser Ln Raw	Water	05/16/23 13:00	05/22/23 09:40
500-234148-14	965 Fraser Ln DW	Water	05/16/23 13:05	05/22/23 09:40
500-234148-15	975 LaBarge Rd. Raw	Water	05/16/23 13:15	05/22/23 09:40
500-234148-16	848 Hillside Trl. Raw	Water	05/16/23 12:30	05/22/23 09:40

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 881 Yellowstone Trl Raw

Date Collected: 05/16/23 09:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.2**	**J**	10	1.7	ug/L			05/26/23 01:57	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 01:57	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 01:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 01:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 01:57	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 01:57	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 01:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 01:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 01:57	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 01:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 01:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 01:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 01:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 01:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 01:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 01:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 01:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 01:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 01:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 01:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 01:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 01:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 01:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 01:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 01:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 01:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 01:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 01:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 01:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 01:57	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 01:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 01:57	1
n-Butylbenzene	**0.71**	**J B**	1.0	0.39	ug/L			05/26/23 01:57	1
N-Propylbenzene	**0.63**	**J B**	1.0	0.41	ug/L			05/26/23 01:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 01:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 01:57	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 01:57	1
sec-Butylbenzene	**0.68**	**J B**	1.0	0.40	ug/L			05/26/23 01:57	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
tert-Butylbenzene	**0.69**	**J B**	1.0	0.40	ug/L			05/26/23 01:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 01:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 01:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 01:57	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 881 Yellowstone Trl Raw
Date Collected: 05/16/23 09:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 01:57	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 01:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 01:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 01:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 01:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 01:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 01:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 01:57	1
Trichloroethene	**0.32**	**J**	0.50	0.16	ug/L			05/26/23 01:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 01:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 01:57	1
1,2,4-Trimethylbenzene	**0.76**	**J B**	1.0	0.36	ug/L			05/26/23 01:57	1
1,3,5-Trimethylbenzene	**0.79**	**J B**	1.0	0.25	ug/L			05/26/23 01:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 01:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/26/23 01:57*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*05/26/23 01:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*05/26/23 01:57*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 01:57*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 667 Pine Timber Ln. Raw

Date Collected: 05/16/23 09:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.9**	**J**	10	1.7	ug/L			05/26/23 02:23	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 02:23	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 02:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 02:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 02:23	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 02:23	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 02:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 02:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 02:23	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 02:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 02:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 02:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 02:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 02:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 02:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 02:23	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 02:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 02:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 02:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 02:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 02:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 02:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 02:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 02:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 02:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 02:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 02:23	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 02:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 02:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 02:23	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 02:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 02:23	1
n-Butylbenzene	**0.69**	**J B**	1.0	0.39	ug/L			05/26/23 02:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 02:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 02:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 02:23	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 02:23	1
sec-Butylbenzene	**0.67**	**J B**	1.0	0.40	ug/L			05/26/23 02:23	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 02:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 02:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 02:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 02:23	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 667 Pine Timber Ln. Raw
Date Collected: 05/16/23 09:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 02:23	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 02:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 02:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 02:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 02:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 02:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 02:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 02:23	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			05/26/23 02:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 02:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 02:23	1
1,2,4-Trimethylbenzene	**0.74**	**J B**	1.0	0.36	ug/L			05/26/23 02:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 02:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 02:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/26/23 02:23*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*05/26/23 02:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*05/26/23 02:23*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 02:23*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 953 Florence Ln. Raw
Date Collected: 05/16/23 09:45
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.2**	**J**	10	1.7	ug/L			05/26/23 02:49	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 02:49	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 02:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 02:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 02:49	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 02:49	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 02:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 02:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 02:49	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 02:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 02:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 02:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 02:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 02:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 02:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 02:49	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 02:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 02:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 02:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 02:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 02:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 02:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 02:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 02:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 02:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 02:49	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 02:49	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 02:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 02:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 02:49	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 02:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 02:49	1
n-Butylbenzene	**0.68**	**J B**	1.0	0.39	ug/L			05/26/23 02:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 02:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 02:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 02:49	1
4-Isopropyltoluene	**0.77**	**J B**	1.0	0.36	ug/L			05/26/23 02:49	1
sec-Butylbenzene	**0.66**	**J B**	1.0	0.40	ug/L			05/26/23 02:49	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 02:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 02:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 02:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 02:49	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 953 Florence Ln. Raw
Date Collected: 05/16/23 09:45
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 02:49	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 02:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 02:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 02:49	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 02:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 02:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 02:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 02:49	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			05/26/23 02:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 02:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 02:49	1
1,2,4-Trimethylbenzene	**0.74**	**J B**	1.0	0.36	ug/L			05/26/23 02:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 02:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 02:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/26/23 02:49*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/26/23 02:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*05/26/23 02:49*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 02:49*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 953 Florence Ln. DW
Date Collected: 05/16/23 09:50
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.9**	**J**	10	1.7	ug/L			05/26/23 03:16	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 03:16	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 03:16	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 03:16	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 03:16	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 03:16	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 03:16	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 03:16	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 03:16	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 03:16	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 03:16	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 03:16	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 03:16	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 03:16	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 03:16	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 03:16	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 03:16	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 03:16	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 03:16	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 03:16	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 03:16	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 03:16	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 03:16	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 03:16	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 03:16	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 03:16	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 03:16	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 03:16	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 03:16	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 03:16	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 03:16	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 03:16	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 03:16	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 03:16	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 03:16	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 03:16	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 03:16	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 03:16	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 03:16	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 03:16	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 03:16	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 03:16	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 953 Florence Ln. DW

Date Collected: 05/16/23 09:50
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 03:16	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 03:16	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 03:16	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 03:16	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 03:16	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 03:16	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/23 03:16	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 03:16	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 03:16	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 03:16	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 03:16*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*05/26/23 03:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*05/26/23 03:16*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 03:16*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.39	H	1.0	0.39	ug/L			06/01/23 01:34	1
sec-Butylbenzene	<0.40	H	1.0	0.40	ug/L			06/01/23 01:34	1
1,2,4-Trimethylbenzene	<0.36	H	1.0	0.36	ug/L			06/01/23 01:34	1
1,3,5-Trimethylbenzene	<0.25	H	1.0	0.25	ug/L			06/01/23 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*06/01/23 01:34*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*06/01/23 01:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*06/01/23 01:34*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*06/01/23 01:34*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 949 Florence Ln. Raw
Date Collected: 05/16/23 10:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 03:42	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 03:42	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 03:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 03:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 03:42	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 03:42	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 03:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 03:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 03:42	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 03:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 03:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 03:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 03:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 03:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 03:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 03:42	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 03:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 03:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 03:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 03:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 03:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 03:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 03:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 03:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 03:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 03:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 03:42	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 03:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 03:42	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 03:42	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 03:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 03:42	1
n-Butylbenzene	**0.66**	**J B**	1.0	0.39	ug/L			05/26/23 03:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 03:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 03:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 03:42	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 03:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 03:42	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 03:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 03:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 03:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 03:42	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 949 Florence Ln. Raw
Date Collected: 05/16/23 10:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 03:42	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 03:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 03:42	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 03:42	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 03:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 03:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 03:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 03:42	1
Trichloroethene	**1.4**		0.50	0.16	ug/L			05/26/23 03:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 03:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 03:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 03:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 03:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 03:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 03:42*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/26/23 03:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*05/26/23 03:42*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/26/23 03:42*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 894 Young Rd. Raw
Date Collected: 05/16/23 10:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7.8**	**J**	10	1.7	ug/L			05/26/23 04:08	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 04:08	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 04:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 04:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 04:08	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 04:08	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 04:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 04:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 04:08	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 04:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 04:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 04:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 04:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 04:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 04:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 04:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 04:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 04:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 04:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 04:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 04:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 04:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 04:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 04:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 04:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 04:08	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 04:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 04:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 04:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 04:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 04:08	1
n-Butylbenzene	**0.66**	**J B**	1.0	0.39	ug/L			05/26/23 04:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 04:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 04:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 04:08	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 04:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:08	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 04:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 04:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 04:08	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 894 Young Rd. Raw
Date Collected: 05/16/23 10:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 04:08	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 04:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 04:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 04:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 04:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 04:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 04:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 04:08	1
Trichloroethene	**2.8**		0.50	0.16	ug/L			05/26/23 04:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 04:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 04:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 04:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 04:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 04:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 04:08*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/26/23 04:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*05/26/23 04:08*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 04:08*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 894 Young Rd. DW
Date Collected: 05/16/23 10:20
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.8	J	10	1.7	ug/L			05/26/23 04:34	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 04:34	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 04:34	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 04:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 04:34	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 04:34	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 04:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 04:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 04:34	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 04:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 04:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 04:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 04:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 04:34	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 04:34	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 04:34	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 04:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 04:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 04:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 04:34	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 04:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 04:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 04:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 04:34	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 04:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:34	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 04:34	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 04:34	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 04:34	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 04:34	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 04:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 04:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 04:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 04:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 04:34	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 04:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:34	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:34	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 04:34	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 04:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 04:34	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 04:34	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 894 Young Rd. DW

Date Collected: 05/16/23 10:20
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 04:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 04:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 04:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 04:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 04:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 04:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 04:34	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/23 04:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 04:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 04:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 04:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 04:34	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 04:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/26/23 04:34*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/26/23 04:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*05/26/23 04:34*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 04:34*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.39	H	1.0	0.39	ug/L			06/01/23 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*06/01/23 01:57*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/01/23 01:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*06/01/23 01:57*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*06/01/23 01:57*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 998 Tanney Ln. Raw
Date Collected: 05/16/23 10:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-8
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 05:01	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 05:01	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 05:01	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 05:01	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 05:01	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 05:01	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 05:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 05:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 05:01	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 05:01	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 05:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 05:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 05:01	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 05:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 05:01	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 05:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 05:01	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 05:01	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 05:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 05:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 05:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 05:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 05:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 05:01	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 05:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 05:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 05:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 05:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 05:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 05:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:01	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 05:01	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 05:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 05:01	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 05:01	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 05:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 05:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 05:01	1
n-Butylbenzene	**0.65**	**J B**	1.0	0.39	ug/L			05/26/23 05:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 05:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 05:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 05:01	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 05:01	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:01	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 05:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:01	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 05:01	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 05:01	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 05:01	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 998 Tanney Ln. Raw
Date Collected: 05/16/23 10:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-8
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 05:01	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 05:01	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 05:01	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 05:01	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 05:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 05:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 05:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 05:01	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/23 05:01	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 05:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 05:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 05:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 05:01	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 05:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/26/23 05:01*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*05/26/23 05:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*05/26/23 05:01*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 05:01*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 985 Drover Trl. Raw
Date Collected: 05/16/23 11:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-9
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 05:27	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 05:27	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 05:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 05:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 05:27	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 05:27	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 05:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 05:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 05:27	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 05:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 05:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 05:27	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 05:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 05:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 05:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 05:27	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 05:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 05:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 05:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 05:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 05:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 05:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 05:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 05:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 05:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 05:27	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 05:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 05:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 05:27	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 05:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 05:27	1
n-Butylbenzene	**0.65**	**J B**	1.0	0.39	ug/L			05/26/23 05:27	1
N-Propylbenzene	**0.62**	**J B**	1.0	0.41	ug/L			05/26/23 05:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 05:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 05:27	1
4-Isopropyltoluene	**0.75**	**J B**	1.0	0.36	ug/L			05/26/23 05:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:27	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 05:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 05:27	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 05:27	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 985 Drover Trl. Raw
Date Collected: 05/16/23 11:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-9
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 05:27	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 05:27	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 05:27	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 05:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 05:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 05:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 05:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 05:27	1
Trichloroethene	**0.58**		0.50	0.16	ug/L			05/26/23 05:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 05:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 05:27	1
1,2,4-Trimethylbenzene	**0.74**	**J B**	1.0	0.36	ug/L			05/26/23 05:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 05:27	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 05:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 05:27*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 05:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*05/26/23 05:27*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 05:27*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 985 Drover Trl. DW

Date Collected: 05/16/23 11:05
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 05:53	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 05:53	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 05:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 05:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 05:53	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 05:53	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 05:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 05:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 05:53	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 05:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 05:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 05:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 05:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 05:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 05:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 05:53	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 05:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 05:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 05:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 05:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 05:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 05:53	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 05:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 05:53	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 05:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 05:53	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 05:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 05:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 05:53	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 05:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 05:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 05:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 05:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 05:53	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:53	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:53	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 05:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 05:53	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 05:53	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 05:53	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 05:53	1

Client Sample ID: 985 Drover Trl. DW
Date Collected: 05/16/23 11:05
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-10
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 05:53	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 05:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 05:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 05:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 05:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 05:53	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/23 05:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 05:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 05:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 05:53	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 05:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 05:53	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/26/23 05:53*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 05:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/26/23 05:53*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 05:53*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.39	H	1.0	0.39	ug/L			06/01/23 02:19	1
4-Isopropyltoluene	<0.36	H	1.0	0.36	ug/L			06/01/23 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*06/01/23 02:19*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/01/23 02:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*06/01/23 02:19*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*06/01/23 02:19*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 927 Fraser Ln. Raw

Date Collected: 05/16/23 11:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-11

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 06:19	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 06:19	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 06:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 06:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 06:19	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 06:19	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 06:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 06:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 06:19	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 06:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 06:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 06:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 06:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 06:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 06:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 06:19	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 06:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 06:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 06:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 06:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 06:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 06:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 06:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 06:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 06:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 06:19	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 06:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 06:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 06:19	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 06:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 06:19	1
n-Butylbenzene	**0.65**	**J B**	1.0	0.39	ug/L			05/26/23 06:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 06:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 06:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 06:19	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 06:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:19	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 06:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 06:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 06:19	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 927 Fraser Ln. Raw
Date Collected: 05/16/23 11:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-11
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 06:19	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 06:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 06:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 06:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 06:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 06:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 06:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 06:19	1
Trichloroethene	**0.36**	**J**	0.50	0.16	ug/L			05/26/23 06:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 06:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 06:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 06:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 06:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 06:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 06:19*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*05/26/23 06:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/26/23 06:19*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 06:19*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 970 Florence Ln Raw

Date Collected: 05/16/23 11:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-12

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 06:46	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 06:46	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 06:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 06:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 06:46	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 06:46	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 06:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 06:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 06:46	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 06:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 06:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 06:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 06:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 06:46	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 06:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 06:46	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 06:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 06:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 06:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 06:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 06:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 06:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 06:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 06:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 06:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 06:46	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 06:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 06:46	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 06:46	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 06:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 06:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 06:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 06:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 06:46	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 06:46	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:46	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:46	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 06:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 06:46	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 06:46	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 970 Florence Ln Raw

Date Collected: 05/16/23 11:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-12

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 06:46	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 06:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 06:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 06:46	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 06:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 06:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 06:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 06:46	1
Trichloroethene	**0.94**		0.50	0.16	ug/L			05/26/23 06:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 06:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 06:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 06:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 06:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 06:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 06:46*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 06:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*05/26/23 06:46*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 06:46*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 965 Fraser Ln Raw

Date Collected: 05/16/23 13:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-13

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 07:12	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 07:12	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 07:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 07:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 07:12	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 07:12	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 07:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 07:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 07:12	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 07:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 07:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 07:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 07:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 07:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 07:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 07:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 07:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 07:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 07:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 07:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 07:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 07:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 07:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 07:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 07:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 07:12	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 07:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 07:12	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 07:12	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 07:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 07:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 07:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 07:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 07:12	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 07:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:12	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 07:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 07:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 07:12	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 965 Fraser Ln Raw

Date Collected: 05/16/23 13:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-13

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 07:12	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 07:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 07:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 07:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 07:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 07:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 07:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 07:12	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			05/26/23 07:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 07:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 07:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 07:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 07:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 07:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 07:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/26/23 07:12*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*05/26/23 07:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/26/23 07:12*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 07:12*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 965 Fraser Ln DW

Date Collected: 05/16/23 13:05
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 07:39	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 07:39	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 07:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 07:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 07:39	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 07:39	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 07:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 07:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 07:39	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 07:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 07:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 07:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 07:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 07:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 07:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 07:39	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 07:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 07:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 07:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 07:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 07:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 07:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 07:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 07:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 07:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:39	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 07:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 07:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 07:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 07:39	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 07:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 07:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 07:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 07:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 07:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:39	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:39	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 07:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 07:39	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 07:39	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 07:39	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 965 Fraser Ln DW

Date Collected: 05/16/23 13:05
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 07:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 07:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 07:39	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 07:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 07:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 07:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 07:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/23 07:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 07:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 07:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 07:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 07:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 07:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/26/23 07:39*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 07:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*05/26/23 07:39*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 07:39*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	<0.36	H	1.0	0.36	ug/L			06/01/23 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*06/01/23 02:42*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/01/23 02:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*06/01/23 02:42*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*06/01/23 02:42*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 975 LaBarge Rd. Raw

Date Collected: 05/16/23 13:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-15

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.8**	**J**	10	1.7	ug/L			05/26/23 08:05	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 08:05	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 08:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 08:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 08:05	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 08:05	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 08:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 08:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 08:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 08:05	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 08:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 08:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 08:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 08:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 08:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 08:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 08:05	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 08:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 08:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 08:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 08:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 08:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 08:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 08:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 08:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 08:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 08:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 08:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 08:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 08:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 08:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 08:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 08:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 08:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 08:05	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 08:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 08:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 08:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 08:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 08:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 08:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 08:05	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 08:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 08:05	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 08:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 08:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 08:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 08:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 08:05	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 975 LaBarge Rd. Raw

Date Collected: 05/16/23 13:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-15

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 08:05	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 08:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 08:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 08:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 08:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 08:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 08:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 08:05	1
Trichloroethene	**0.84**		0.50	0.16	ug/L			05/26/23 08:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 08:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 08:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 08:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 08:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 08:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/26/23 08:05*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 08:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/26/23 08:05*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 08:05*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 848 Hillside Trl. Raw

Date Collected: 05/16/23 12:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-16

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 08:31	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 08:31	1
Bromobenzene	<0.36	* F1	1.0	0.36	ug/L			05/26/23 08:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 08:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 08:31	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 08:31	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 08:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 08:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 08:31	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 08:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 08:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 08:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 08:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 08:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 08:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 08:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 08:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 08:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 08:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 08:31	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 08:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 08:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 08:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 08:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 08:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 08:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 08:31	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 08:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 08:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 08:31	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 08:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 08:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 08:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 08:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 08:31	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 08:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 08:31	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 08:31	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 08:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 08:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 08:31	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 848 Hillside Trl. Raw
Date Collected: 05/16/23 12:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-16
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 08:31	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 08:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 08:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 08:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 08:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 08:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 08:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 08:31	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			05/26/23 08:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 08:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 08:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 08:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 08:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 08:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 08:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*05/26/23 08:31*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 08:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/26/23 08:31*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 08:31*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

GC/MS VOA

Analysis Batch: 715379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234148-1	881 Yellowstone Trl Raw	Total/NA	Water	8260B	
500-234148-2	667 Pine Timber Ln. Raw	Total/NA	Water	8260B	
500-234148-3	953 Florence Ln. Raw	Total/NA	Water	8260B	
500-234148-4	953 Florence Ln. DW	Total/NA	Water	8260B	
500-234148-5	949 Florence Ln. Raw	Total/NA	Water	8260B	
500-234148-6	894 Young Rd. Raw	Total/NA	Water	8260B	
500-234148-7	894 Young Rd. DW	Total/NA	Water	8260B	
500-234148-8	998 Tanney Ln. Raw	Total/NA	Water	8260B	
500-234148-9	985 Drover Trl. Raw	Total/NA	Water	8260B	
500-234148-10	985 Drover Trl. DW	Total/NA	Water	8260B	
500-234148-11	927 Fraser Ln. Raw	Total/NA	Water	8260B	
500-234148-12	970 Florence Ln Raw	Total/NA	Water	8260B	
500-234148-13	965 Fraser Ln Raw	Total/NA	Water	8260B	
500-234148-14	965 Fraser Ln DW	Total/NA	Water	8260B	
500-234148-15	975 LaBarge Rd. Raw	Total/NA	Water	8260B	
500-234148-16	848 Hillside Trl. Raw	Total/NA	Water	8260B	
MB 500-715379/7	Method Blank	Total/NA	Water	8260B	
LCS 500-715379/4	Lab Control Sample	Total/NA	Water	8260B	
500-234148-16 MS	848 Hillside Trl. Raw	Total/NA	Water	8260B	
500-234148-16 MSD	848 Hillside Trl. Raw	Total/NA	Water	8260B	

Analysis Batch: 716131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234148-4 - RA	953 Florence Ln. DW	Total/NA	Water	8260B	
500-234148-7 - RA	894 Young Rd. DW	Total/NA	Water	8260B	
500-234148-10 - RA	985 Drover Trl. DW	Total/NA	Water	8260B	
500-234148-14 - RA	965 Fraser Ln DW	Total/NA	Water	8260B	
MB 500-716131/6	Method Blank	Total/NA	Water	8260B	
LCS 500-716131/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-234148-1	881 Yellowstone Trl Raw	100	93	91	96
500-234148-2	667 Pine Timber Ln. Raw	102	92	91	96
500-234148-3	953 Florence Ln. Raw	100	94	95	95
500-234148-4	953 Florence Ln. DW	101	95	91	96
500-234148-4 - RA	953 Florence Ln. DW	107	100	94	104
500-234148-5	949 Florence Ln. Raw	101	94	92	97
500-234148-6	894 Young Rd. Raw	101	94	93	96
500-234148-7	894 Young Rd. DW	102	94	94	95
500-234148-7 - RA	894 Young Rd. DW	111	104	99	103
500-234148-8	998 Tanney Ln. Raw	102	96	93	96
500-234148-9	985 Drover Trl. Raw	101	97	95	96
500-234148-10	985 Drover Trl. DW	100	97	96	95
500-234148-10 - RA	985 Drover Trl. DW	114	103	97	100
500-234148-11	927 Fraser Ln. Raw	101	96	96	96
500-234148-12	970 Florence Ln Raw	101	97	97	95
500-234148-13	965 Fraser Ln Raw	100	98	96	95
500-234148-14	965 Fraser Ln DW	102	97	97	95
500-234148-14 - RA	965 Fraser Ln DW	110	103	96	100
500-234148-15	975 LaBarge Rd. Raw	102	97	99	95
500-234148-16	848 Hillside Trl. Raw	103	97	96	95
500-234148-16 MS	848 Hillside Trl. Raw	103	89	88	99
500-234148-16 MSD	848 Hillside Trl. Raw	104	89	88	97
LCS 500-715379/4	Lab Control Sample	102	86	84	98
LCS 500-716131/4	Lab Control Sample	113	102	99	112
MB 500-715379/7	Method Blank	102	91	91	97
MB 500-716131/6	Method Blank	108	101	101	106

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-715379/7
Matrix: Water
Analysis Batch: 715379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 01:04	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 01:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/26/23 01:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 01:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 01:04	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 01:04	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 01:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 01:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 01:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 01:04	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 01:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 01:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 01:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 01:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 01:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 01:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 01:04	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 01:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 01:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 01:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 01:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 01:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 01:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 01:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 01:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 01:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 01:04	1
Hexachlorobutadiene	0.453	J	1.0	0.45	ug/L			05/26/23 01:04	1
Isopropylbenzene	0.711	J	1.0	0.39	ug/L			05/26/23 01:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 01:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 01:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 01:04	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 01:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 01:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 01:04	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 01:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 01:04	1
Naphthalene	0.943	J	1.0	0.34	ug/L			05/26/23 01:04	1
n-Butylbenzene	0.808	J	1.0	0.39	ug/L			05/26/23 01:04	1
N-Propylbenzene	0.679	J	1.0	0.41	ug/L			05/26/23 01:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 01:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 01:04	1
4-Isopropyltoluene	0.856	J	1.0	0.36	ug/L			05/26/23 01:04	1
sec-Butylbenzene	0.748	J	1.0	0.40	ug/L			05/26/23 01:04	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 01:04	1
tert-Butylbenzene	0.757	J	1.0	0.40	ug/L			05/26/23 01:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 01:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 01:04	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-715379/7
Matrix: Water
Analysis Batch: 715379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 01:04	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 01:04	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 01:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 01:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 01:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 01:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 01:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 01:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 01:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/23 01:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 01:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 01:04	1
1,2,4-Trimethylbenzene	0.798	J	1.0	0.36	ug/L			05/26/23 01:04	1
1,3,5-Trimethylbenzene	0.822	J	1.0	0.25	ug/L			05/26/23 01:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 01:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 01:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/26/23 01:04*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*05/26/23 01:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*05/26/23 01:04*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/26/23 01:04*	*1*

Lab Sample ID: LCS 500-715379/4
Matrix: Water
Analysis Batch: 715379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	38.7		ug/L		77	40 - 143
Benzene	50.0	50.9		ug/L		102	70 - 120
Bromobenzene	50.0	61.5	*	ug/L		123	70 - 122
Bromochloromethane	50.0	51.8		ug/L		104	65 - 122
Bromodichloromethane	50.0	48.8		ug/L		98	69 - 120
Bromoform	50.0	54.9		ug/L		110	56 - 132
Carbon disulfide	50.0	45.6		ug/L		91	66 - 120
Carbon tetrachloride	50.0	46.2		ug/L		92	59 - 133
Chlorobenzene	50.0	55.5		ug/L		111	70 - 120
Chloroethane	50.0	46.0		ug/L		92	48 - 136
Chloroform	50.0	45.6		ug/L		91	70 - 120
2-Chlorotoluene	50.0	57.9		ug/L		116	70 - 125
4-Chlorotoluene	50.0	57.7		ug/L		115	68 - 124
cis-1,2-Dichloroethene	50.0	51.9		ug/L		104	70 - 125
cis-1,3-Dichloropropene	50.0	45.4		ug/L		91	64 - 127
Dibromochloromethane	50.0	54.4		ug/L		109	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	39.9		ug/L		80	56 - 123
1,2-Dibromoethane (EDB)	50.0	52.0		ug/L		104	70 - 125
Dichlorodifluoromethane	50.0	49.0		ug/L		98	40 - 159
1,1-Dichloroethane	50.0	47.6		ug/L		95	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-715379/4
Matrix: Water
Analysis Batch: 715379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	50.6		ug/L		101	68 - 127
1,1-Dichloroethene	50.0	50.2		ug/L		100	67 - 122
1,2-Dichloropropane	50.0	50.4		ug/L		101	67 - 130
1,3-Dichloropropane	50.0	51.9		ug/L		104	62 - 136
2,2-Dichloropropane	50.0	45.5		ug/L		91	58 - 139
1,1-Dichloropropene	50.0	50.1		ug/L		100	70 - 121
Ethylbenzene	50.0	56.9		ug/L		114	70 - 123
Hexachlorobutadiene	50.0	59.9		ug/L		120	51 - 150
Isopropylbenzene	50.0	51.3		ug/L		103	70 - 126
1,3-Dichlorobenzene	50.0	56.7		ug/L		113	70 - 125
Bromomethane	50.0	42.6		ug/L		85	40 - 152
Chloromethane	50.0	40.6		ug/L		81	56 - 152
Dibromomethane	50.0	46.6		ug/L		93	70 - 120
Methylene Chloride	50.0	47.1		ug/L		94	69 - 125
2-Butanone (MEK)	50.0	41.5		ug/L		83	46 - 144
Methyl tert-butyl ether	50.0	47.6		ug/L		95	55 - 123
Naphthalene	50.0	36.3		ug/L		73	53 - 144
n-Butylbenzene	50.0	45.3		ug/L		91	68 - 125
N-Propylbenzene	50.0	50.3		ug/L		101	69 - 127
1,2-Dichlorobenzene	50.0	54.2		ug/L		108	70 - 125
1,4-Dichlorobenzene	50.0	53.6		ug/L		107	70 - 120
4-Isopropyltoluene	50.0	49.4		ug/L		99	70 - 125
sec-Butylbenzene	50.0	48.6		ug/L		97	70 - 123
Styrene	50.0	48.1		ug/L		96	70 - 120
tert-Butylbenzene	50.0	51.6		ug/L		103	70 - 121
1,1,1,2-Tetrachloroethane	50.0	55.1		ug/L		110	70 - 125
1,1,2,2-Tetrachloroethane	50.0	50.1		ug/L		100	62 - 140
Tetrachloroethene	50.0	62.0		ug/L		124	70 - 128
Tetrahydrofuran	100	73.2		ug/L		73	59 - 139
Toluene	50.0	56.2		ug/L		112	70 - 125
trans-1,2-Dichloroethene	50.0	51.6		ug/L		103	70 - 125
trans-1,3-Dichloropropene	50.0	45.3		ug/L		91	62 - 128
1,2,3-Trichlorobenzene	50.0	51.2		ug/L		102	51 - 145
1,2,4-Trichlorobenzene	50.0	52.4		ug/L		105	57 - 137
1,1,1-Trichloroethane	50.0	48.4		ug/L		97	70 - 125
1,1,2-Trichloroethane	50.0	55.8		ug/L		112	71 - 130
Trichloroethene	50.0	55.4		ug/L		111	70 - 125
Trichlorofluoromethane	50.0	44.4		ug/L		89	55 - 128
1,2,3-Trichloropropane	50.0	50.1		ug/L		100	50 - 133
1,2,4-Trimethylbenzene	50.0	50.3		ug/L		101	70 - 123
1,3,5-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 123
Vinyl chloride	50.0	49.5		ug/L		99	64 - 126
Xylenes, Total	100	106		ug/L		106	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*
Dibromofluoromethane (Surr)	*86*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-715379/4
Matrix: Water
Analysis Batch: 715379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: 500-234148-16 MS
Matrix: Water
Analysis Batch: 715379

Client Sample ID: 848 Hillside Trl. Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	<1.7		50.0	33.5		ug/L		67	40 - 143
Benzene	<0.15		50.0	49.1		ug/L		98	70 - 120
Bromobenzene	<0.36	* F1	50.0	59.8		ug/L		120	70 - 122
Bromochloromethane	<0.43		50.0	50.9		ug/L		102	65 - 122
Bromodichloromethane	<0.37		50.0	48.0		ug/L		96	69 - 120
Bromoform	<0.48		50.0	54.8		ug/L		110	56 - 132
Carbon disulfide	<0.45		50.0	42.9		ug/L		86	66 - 120
Carbon tetrachloride	<0.38		50.0	43.1		ug/L		86	59 - 133
Chlorobenzene	<0.39		50.0	52.9		ug/L		106	70 - 120
Chloroethane	<0.51		50.0	45.0		ug/L		90	48 - 136
Chloroform	<0.37		50.0	45.0		ug/L		90	70 - 120
2-Chlorotoluene	<0.31		50.0	55.2		ug/L		110	70 - 125
4-Chlorotoluene	<0.35		50.0	54.4		ug/L		109	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	49.5		ug/L		99	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	42.9		ug/L		86	64 - 127
Dibromochloromethane	<0.49		50.0	53.9		ug/L		108	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	39.4		ug/L		79	56 - 123
1,2-Dibromoethane (EDB)	<0.39		50.0	50.6		ug/L		101	70 - 125
Dichlorodifluoromethane	<0.67		50.0	45.9		ug/L		92	40 - 159
1,1-Dichloroethane	<0.41		50.0	45.3		ug/L		91	70 - 125
1,2-Dichloroethane	<0.39		50.0	49.8		ug/L		100	68 - 127
1,1-Dichloroethene	<0.39		50.0	46.8		ug/L		94	67 - 122
1,2-Dichloropropane	<0.43		50.0	49.1		ug/L		98	67 - 130
1,3-Dichloropropane	<0.36		50.0	51.3		ug/L		103	62 - 136
2,2-Dichloropropane	<0.44		50.0	41.2		ug/L		82	58 - 139
1,1-Dichloropropene	<0.30		50.0	45.7		ug/L		91	70 - 121
Ethylbenzene	<0.18		50.0	53.2		ug/L		106	70 - 123
Hexachlorobutadiene	<0.45		50.0	51.7		ug/L		103	51 - 150
Isopropylbenzene	<0.39		50.0	47.4		ug/L		95	70 - 126
1,3-Dichlorobenzene	<0.40		50.0	52.9		ug/L		106	70 - 125
Bromomethane	<0.80		50.0	41.4		ug/L		83	40 - 152
Chloromethane	<0.32		50.0	38.9		ug/L		78	56 - 152
Dibromomethane	<0.27		50.0	46.5		ug/L		93	70 - 120
Methylene Chloride	<1.6		50.0	46.7		ug/L		93	69 - 125
2-Butanone (MEK)	<2.1		50.0	33.1		ug/L		66	46 - 144
Methyl tert-butyl ether	<0.39		50.0	46.2		ug/L		92	55 - 123
Naphthalene	<0.34		50.0	32.2		ug/L		64	53 - 144
n-Butylbenzene	<0.39		50.0	38.7		ug/L		77	68 - 125
N-Propylbenzene	<0.41		50.0	46.7		ug/L		93	69 - 127
1,2-Dichlorobenzene	<0.33		50.0	52.2		ug/L		104	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	50.4		ug/L		101	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-234148-16 MS
Matrix: Water
Analysis Batch: 715379

Client Sample ID: 848 Hillside Trl. Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Isopropyltoluene	<0.36		50.0	44.5		ug/L		89	70 - 125
sec-Butylbenzene	<0.40		50.0	44.4		ug/L		89	70 - 123
Styrene	<0.39		50.0	46.2		ug/L		92	70 - 120
tert-Butylbenzene	<0.40		50.0	48.0		ug/L		96	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	54.7		ug/L		109	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	50.1		ug/L		100	62 - 140
Tetrachloroethene	<0.37		50.0	56.3		ug/L		113	70 - 128
Tetrahydrofuran	<1.9		100	71.8		ug/L		72	59 - 139
Toluene	<0.15		50.0	54.5		ug/L		109	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	49.4		ug/L		99	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	43.5		ug/L		87	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	44.0		ug/L		88	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	43.2		ug/L		86	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	45.8		ug/L		92	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	56.0		ug/L		112	71 - 130
Trichloroethene	1.6		50.0	53.0		ug/L		103	70 - 125
Trichlorofluoromethane	<0.43		50.0	41.9		ug/L		84	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	51.8		ug/L		104	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	47.1		ug/L		94	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	47.0		ug/L		94	70 - 123
Vinyl chloride	<0.20		50.0	47.1		ug/L		94	64 - 126
Xylenes, Total	<0.22		100	99.8		ug/L		100	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*
Dibromofluoromethane (Surr)	*89*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Sample ID: 500-234148-16 MSD
Matrix: Water
Analysis Batch: 715379

Client Sample ID: 848 Hillside Trl. Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	<1.7		50.0	34.9		ug/L		70	40 - 143	4	20
Benzene	<0.15		50.0	51.0		ug/L		102	70 - 120	4	20
Bromobenzene	<0.36	* F1	50.0	63.0	F1	ug/L		126	70 - 122	5	20
Bromochloromethane	<0.43		50.0	52.6		ug/L		105	65 - 122	3	20
Bromodichloromethane	<0.37		50.0	49.8		ug/L		100	69 - 120	4	20
Bromoform	<0.48		50.0	54.8		ug/L		110	56 - 132	0	20
Carbon disulfide	<0.45		50.0	44.7		ug/L		89	66 - 120	4	20
Carbon tetrachloride	<0.38		50.0	44.7		ug/L		89	59 - 133	4	20
Chlorobenzene	<0.39		50.0	54.1		ug/L		108	70 - 120	2	20
Chloroethane	<0.51		50.0	48.2		ug/L		96	48 - 136	7	20
Chloroform	<0.37		50.0	46.6		ug/L		93	70 - 120	4	20
2-Chlorotoluene	<0.31		50.0	57.4		ug/L		115	70 - 125	4	20
4-Chlorotoluene	<0.35		50.0	56.7		ug/L		113	68 - 124	4	20
cis-1,2-Dichloroethene	<0.41		50.0	52.3		ug/L		105	70 - 125	5	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-234148-16 MSD
Matrix: Water
Analysis Batch: 715379

Client Sample ID: 848 Hillside Trl. Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	<0.42		50.0	44.4		ug/L		89	64 - 127	3	20
Dibromochloromethane	<0.49		50.0	54.4		ug/L		109	68 - 125	1	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	39.6		ug/L		79	56 - 123	1	20
1,2-Dibromoethane (EDB)	<0.39		50.0	51.1		ug/L		102	70 - 125	1	20
Dichlorodifluoromethane	<0.67		50.0	49.1		ug/L		98	40 - 159	7	20
1,1-Dichloroethane	<0.41		50.0	47.4		ug/L		95	70 - 125	5	20
1,2-Dichloroethane	<0.39		50.0	51.6		ug/L		103	68 - 127	4	20
1,1-Dichloroethene	<0.39		50.0	48.8		ug/L		98	67 - 122	4	20
1,2-Dichloropropane	<0.43		50.0	50.7		ug/L		101	67 - 130	3	20
1,3-Dichloropropane	<0.36		50.0	51.6		ug/L		103	62 - 136	1	20
2,2-Dichloropropane	<0.44		50.0	43.3		ug/L		87	58 - 139	5	20
1,1-Dichloropropene	<0.30		50.0	48.2		ug/L		96	70 - 121	5	20
Ethylbenzene	<0.18		50.0	55.1		ug/L		110	70 - 123	4	20
Hexachlorobutadiene	<0.45		50.0	57.7		ug/L		115	51 - 150	11	20
Isopropylbenzene	<0.39		50.0	50.3		ug/L		101	70 - 126	6	20
1,3-Dichlorobenzene	<0.40		50.0	55.6		ug/L		111	70 - 125	5	20
Bromomethane	<0.80		50.0	45.4		ug/L		91	40 - 152	9	20
Chloromethane	<0.32		50.0	43.9		ug/L		88	56 - 152	12	20
Dibromomethane	<0.27		50.0	47.8		ug/L		96	70 - 120	3	20
Methylene Chloride	<1.6		50.0	47.5		ug/L		95	69 - 125	2	20
2-Butanone (MEK)	<2.1		50.0	39.5		ug/L		79	46 - 144	18	20
Methyl tert-butyl ether	<0.39		50.0	48.1		ug/L		96	55 - 123	4	20
Naphthalene	<0.34		50.0	37.0		ug/L		74	53 - 144	14	20
n-Butylbenzene	<0.39		50.0	42.2		ug/L		84	68 - 125	9	20
N-Propylbenzene	<0.41		50.0	48.8		ug/L		98	69 - 127	4	20
1,2-Dichlorobenzene	<0.33		50.0	54.3		ug/L		109	70 - 125	4	20
1,4-Dichlorobenzene	<0.36		50.0	52.5		ug/L		105	70 - 120	4	20
4-Isopropyltoluene	<0.36		50.0	47.8		ug/L		96	70 - 125	7	20
sec-Butylbenzene	<0.40		50.0	47.5		ug/L		95	70 - 123	7	20
Styrene	<0.39		50.0	47.5		ug/L		95	70 - 120	3	20
tert-Butylbenzene	<0.40		50.0	51.0		ug/L		102	70 - 121	6	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	55.5		ug/L		111	70 - 125	2	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	51.8		ug/L		104	62 - 140	3	20
Tetrachloroethene	<0.37		50.0	57.9		ug/L		116	70 - 128	3	20
Tetrahydrofuran	<1.9		100	77.1		ug/L		77	59 - 139	7	20
Toluene	<0.15		50.0	55.7		ug/L		111	70 - 125	2	20
trans-1,2-Dichloroethene	<0.35		50.0	50.9		ug/L		102	70 - 125	3	20
trans-1,3-Dichloropropene	<0.36		50.0	44.1		ug/L		88	62 - 128	1	20
1,2,3-Trichlorobenzene	<0.46		50.0	49.8		ug/L		100	51 - 145	12	20
1,2,4-Trichlorobenzene	<0.34		50.0	48.1		ug/L		96	57 - 137	11	20
1,1,1-Trichloroethane	<0.38		50.0	47.6		ug/L		95	70 - 125	4	20
1,1,2-Trichloroethane	<0.35		50.0	56.1		ug/L		112	71 - 130	0	20
Trichloroethene	1.6		50.0	55.5		ug/L		108	70 - 125	5	20
Trichlorofluoromethane	<0.43		50.0	44.8		ug/L		90	55 - 128	7	20
1,2,3-Trichloropropane	<0.41		50.0	52.0		ug/L		104	50 - 133	1	20
1,2,4-Trimethylbenzene	<0.36		50.0	49.9		ug/L		100	70 - 123	6	20
1,3,5-Trimethylbenzene	<0.25		50.0	49.8		ug/L		100	70 - 123	6	20
Vinyl chloride	<0.20		50.0	50.5		ug/L		101	64 - 126	7	20
Xylenes, Total	<0.22		100	103		ug/L		103	70 - 125	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*
Dibromofluoromethane (Surr)	*89*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Sample ID: MB 500-716131/6
Matrix: Water
Analysis Batch: 716131

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/31/23 21:23	1
Benzene	<0.15		0.50	0.15	ug/L			05/31/23 21:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/31/23 21:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/31/23 21:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/31/23 21:23	1
Bromoform	0.591	J	1.0	0.48	ug/L			05/31/23 21:23	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/31/23 21:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/31/23 21:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/31/23 21:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/31/23 21:23	1
Chloroform	<0.37		2.0	0.37	ug/L			05/31/23 21:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/31/23 21:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/31/23 21:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/31/23 21:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/31/23 21:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/31/23 21:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/31/23 21:23	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/31/23 21:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/31/23 21:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/31/23 21:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/31/23 21:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/31/23 21:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/31/23 21:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/31/23 21:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/31/23 21:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/31/23 21:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/31/23 21:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/31/23 21:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 21:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/31/23 21:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/31/23 21:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/31/23 21:23	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/31/23 21:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/31/23 21:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/31/23 21:23	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/31/23 21:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/31/23 21:23	1
Naphthalene	0.414	J	1.0	0.34	ug/L			05/31/23 21:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 21:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/31/23 21:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/31/23 21:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-716131/6
Matrix: Water
Analysis Batch: 716131

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/31/23 21:23	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/31/23 21:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 21:23	1
Styrene	<0.39		1.0	0.39	ug/L			05/31/23 21:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 21:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/31/23 21:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/31/23 21:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/31/23 21:23	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/31/23 21:23	1
Toluene	<0.15		0.50	0.15	ug/L			05/31/23 21:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/31/23 21:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/31/23 21:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/31/23 21:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/31/23 21:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/31/23 21:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/31/23 21:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/31/23 21:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/31/23 21:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/31/23 21:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/31/23 21:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/31/23 21:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/31/23 21:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/31/23 21:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*05/31/23 21:23*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*05/31/23 21:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*05/31/23 21:23*	*1*
Toluene-d8 (Surr)	*106*		*75 - 120*		*05/31/23 21:23*	*1*

Lab Sample ID: LCS 500-716131/4
Matrix: Water
Analysis Batch: 716131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	38.1		ug/L		76	40 - 143
Benzene	50.0	51.0		ug/L		102	70 - 120
Bromobenzene	50.0	54.1		ug/L		108	70 - 122
Bromochloromethane	50.0	49.3		ug/L		99	65 - 122
Bromodichloromethane	50.0	46.7		ug/L		93	69 - 120
Bromoform	50.0	44.7		ug/L		89	56 - 132
Carbon disulfide	50.0	48.1		ug/L		96	66 - 120
Carbon tetrachloride	50.0	50.4		ug/L		101	59 - 133
Chlorobenzene	50.0	50.9		ug/L		102	70 - 120
Chloroethane	50.0	57.4		ug/L		115	48 - 136
Chloroform	50.0	49.1		ug/L		98	70 - 120
2-Chlorotoluene	50.0	57.3		ug/L		115	70 - 125
4-Chlorotoluene	50.0	54.8		ug/L		110	68 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-716131/4
Matrix: Water
Analysis Batch: 716131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	50.0	51.3		ug/L		103	70 - 125
cis-1,3-Dichloropropene	50.0	53.0		ug/L		106	64 - 127
Dibromochloromethane	50.0	47.4		ug/L		95	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	51.7		ug/L		103	56 - 123
1,2-Dibromoethane (EDB)	50.0	50.6		ug/L		101	70 - 125
Dichlorodifluoromethane	50.0	64.8		ug/L		130	40 - 159
1,1-Dichloroethane	50.0	48.9		ug/L		98	70 - 125
1,2-Dichloroethane	50.0	48.4		ug/L		97	68 - 127
1,1-Dichloroethene	50.0	49.8		ug/L		100	67 - 122
1,2-Dichloropropane	50.0	46.4		ug/L		93	67 - 130
1,3-Dichloropropane	50.0	50.6		ug/L		101	62 - 136
2,2-Dichloropropane	50.0	55.1		ug/L		110	58 - 139
1,1-Dichloropropene	50.0	54.2		ug/L		108	70 - 121
Ethylbenzene	50.0	51.4		ug/L		103	70 - 123
Hexachlorobutadiene	50.0	54.8		ug/L		110	51 - 150
Isopropylbenzene	50.0	57.0		ug/L		114	70 - 126
1,3-Dichlorobenzene	50.0	54.1		ug/L		108	70 - 125
Bromomethane	50.0	61.2		ug/L		122	40 - 152
Chloromethane	50.0	45.7		ug/L		91	56 - 152
Dibromomethane	50.0	48.4		ug/L		97	70 - 120
Methylene Chloride	50.0	49.8		ug/L		100	69 - 125
2-Butanone (MEK)	50.0	35.4		ug/L		71	46 - 144
Methyl tert-butyl ether	50.0	51.9		ug/L		104	55 - 123
Naphthalene	50.0	46.8		ug/L		94	53 - 144
n-Butylbenzene	50.0	53.1		ug/L		106	68 - 125
N-Propylbenzene	50.0	56.0		ug/L		112	69 - 127
1,2-Dichlorobenzene	50.0	54.1		ug/L		108	70 - 125
1,4-Dichlorobenzene	50.0	53.6		ug/L		107	70 - 120
4-Isopropyltoluene	50.0	53.2		ug/L		106	70 - 125
sec-Butylbenzene	50.0	54.1		ug/L		108	70 - 123
Styrene	50.0	49.4		ug/L		99	70 - 120
tert-Butylbenzene	50.0	56.4		ug/L		113	70 - 121
1,1,1,2-Tetrachloroethane	50.0	53.4		ug/L		107	70 - 125
1,1,2,2-Tetrachloroethane	50.0	55.8		ug/L		112	62 - 140
Tetrachloroethene	50.0	54.9		ug/L		110	70 - 128
Tetrahydrofuran	100	75.2		ug/L		75	59 - 139
Toluene	50.0	51.9		ug/L		104	70 - 125
trans-1,2-Dichloroethene	50.0	50.5		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	48.9		ug/L		98	62 - 128
1,2,3-Trichlorobenzene	50.0	51.5		ug/L		103	51 - 145
1,2,4-Trichlorobenzene	50.0	53.8		ug/L		108	57 - 137
1,1,1-Trichloroethane	50.0	51.1		ug/L		102	70 - 125
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	71 - 130
Trichloroethene	50.0	51.4		ug/L		103	70 - 125
Trichlorofluoromethane	50.0	50.0		ug/L		100	55 - 128
1,2,3-Trichloropropane	50.0	57.4		ug/L		115	50 - 133
1,2,4-Trimethylbenzene	50.0	54.9		ug/L		110	70 - 123
1,3,5-Trimethylbenzene	50.0	55.6		ug/L		111	70 - 123
Vinyl chloride	50.0	60.3		ug/L		121	64 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-716131/4
Matrix: Water
Analysis Batch: 716131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			100	108		ug/L		108	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*112*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 881 Yellowstone Trl Raw
Lab Sample ID: 500-234148-1
Date Collected: 05/16/23 09:15
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 01:57

Client Sample ID: 667 Pine Timber Ln. Raw
Lab Sample ID: 500-234148-2
Date Collected: 05/16/23 09:30
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 02:23

Client Sample ID: 953 Florence Ln. Raw
Lab Sample ID: 500-234148-3
Date Collected: 05/16/23 09:45
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 02:49

Client Sample ID: 953 Florence Ln. DW
Lab Sample ID: 500-234148-4
Date Collected: 05/16/23 09:50
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B	RA	1	716131	EA	EET CHI	06/01/23 01:34
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 03:16

Client Sample ID: 949 Florence Ln. Raw
Lab Sample ID: 500-234148-5
Date Collected: 05/16/23 10:00
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 03:42

Client Sample ID: 894 Young Rd. Raw
Lab Sample ID: 500-234148-6
Date Collected: 05/16/23 10:15
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 04:08

Client Sample ID: 894 Young Rd. DW
Lab Sample ID: 500-234148-7
Date Collected: 05/16/23 10:20
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B	RA	1	716131	EA	EET CHI	06/01/23 01:57
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 04:34

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 998 Tanney Ln. Raw
Lab Sample ID: 500-234148-8
Date Collected: 05/16/23 10:30
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 05:01

Client Sample ID: 985 Drover Trl. Raw
Lab Sample ID: 500-234148-9
Date Collected: 05/16/23 11:00
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 05:27

Client Sample ID: 985 Drover Trl. DW
Lab Sample ID: 500-234148-10
Date Collected: 05/16/23 11:05
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B	RA	1	716131	EA	EET CHI	06/01/23 02:19
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 05:53

Client Sample ID: 927 Fraser Ln. Raw
Lab Sample ID: 500-234148-11
Date Collected: 05/16/23 11:15
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 06:19

Client Sample ID: 970 Florence Ln Raw
Lab Sample ID: 500-234148-12
Date Collected: 05/16/23 11:30
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 06:46

Client Sample ID: 965 Fraser Ln Raw
Lab Sample ID: 500-234148-13
Date Collected: 05/16/23 13:00
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 07:12

Client Sample ID: 965 Fraser Ln DW
Lab Sample ID: 500-234148-14
Date Collected: 05/16/23 13:05
Matrix: Water
Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B	RA	1	716131	EA	EET CHI	06/01/23 02:42
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 07:39

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 975 LaBarge Rd. Raw

Lab Sample ID: 500-234148-15

Date Collected: 05/16/23 13:15

Matrix: Water

Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 08:05

Client Sample ID: 848 Hillside Trl. Raw

Lab Sample ID: 500-234148-16

Date Collected: 05/16/23 12:30

Matrix: Water

Date Received: 05/22/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	715379	PMF	EET CHI	05/26/23 08:31

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

500-234148 COC

Client Information

Client Contact: Mitch Evenson	Sampler: Orion Rentzel	Lab PM: Fredrick Sandie	COC No: ~~500-119715-40258.3~~
Company: Cedar Corporation	Phone: 715-235-9081	E-Mail: Sandra.Fredrick@et.eurofinsus.com	Page: ~~Page 3 of 3~~ 1 of 2
Address: 604 Wilson Avenue	PWSID:		Job #:
City: Menomonie	Due Date Requested:		
State, Zip: WI 54751	TAT Requested (days):		
Phone: 715-235-9081(Tel)	Compliance Project: Δ Yes Δ No		
Email: mitch.evenson@cedarcorp.com	PO #: Purchase Order not required		
Project Name: ~~City of Ashland - License #05087~~ Tunker LF	WO #:		
Site: Residentials	Project #: 50018672		
	SSOW#:		

Analysis Requested

Preservation Codes: A HCL; B NaOH; C Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H Ascorbic Acid; I ce; J DI Water; K EDTA; L EDA; M Hexane; N None; O AsNaO2; P Na2O4S; Q Na2SO3; R Na2S2O3; S H2SO4; T TSP Dodecahydrate; U Acetone; V MCAA; W pH 4-5; Y Trizma; Z other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B_VOC	SM2340B - Hardness (as CaCO3) by calculation	2320B_20SEA_28D	2340B_2540D_5210B	6020C_SM4500_TKN_H_SM5560NH3_G	6010B_7470A_SM3120B	9056A_Chloride/Sulfate	8270D_SVOC	Total Number of containers	Special Instructions/Note
				Preservation Code:				A	D	N	N	S	D	N	N		
1	881 yellowstone Trl Raw	5/16/23	0915	G	Water			X									
2	667 pine timber Ln. Raw		0930		Water												
3	953 Florence Ln. Raw		0945														
4	953 Florence Ln. DW		0950														
5	949 Florence Ln. Raw		1000														
6	894 Young Rd. Raw		1015														
7	894 Young Rd. DW		1020														
8	998 Tanney Ln. Raw		1030														
9	985 Drover Trl. Raw		1100														
10	985 Drover Trl. DW		1105														
11	927 Fraser Ln. Raw		1115														

VOC's

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment
Relinquished by	Date/Time: 5/17/2023 0830	Company: Cedar Corp	Received by	Date/Time: 5/18/23 0840	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks: 4.6 – 3.5

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler: Orion Rental	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: ~~500-110715-40258.2~~
Client Contact: Mitch Evenson	Phone: 715-235-9081	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin:	Page: ~~Page 2 of 3~~ 2 of 2
Company: Cedar Corporation	PWSID:			Job #:
Address: 604 Wilson Avenue	Due Date Requested:			
City: Menomonie	TAT Requested (days):			
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: mitch.evenson@cedarcorp.com	WO #:			
Project Name: ~~City of Ashland - License #03987~~	Project #: 50018672			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I ce, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A-Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	~~8260B~~ VOCs	SM2340B - Hardness (as CaCO3) by calculation	120B, 9056A - 28D	2320B, 2310, 8119B	4500CL-E, SM4500-NH3-H, SM4500NH3-G	6010B, 7470A, SM3340B	9056A - Chloride/Sulfate	8270D - SVOC	Total Number of containers	Special Instructions/Note
			Preservation Code:				A	D	N	N	S	D	N	N		
12 970 Florence Ln. Raw	5/16/23	1130	G	Water			X									
13 965 Fraser Ln. Raw		1300		Water												
14 965 Fraser Ln. DW		1305		Water												
15 974 LaGrange Rd. Raw		1315		Water												
16 848 Hillside Trl. Raw		1230		Water												
				Water												
				Water												
				Water												
				Water												
				Water												
				Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	5/17/2023 0830	Cedar Corp	[signature]	5/18/23 940	
Relinquished by	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

500-234148 Waybi

ORIGIN ID:RRLA (715) 235-9081
RENEE
CEDAR CORP.
604 WILSON AVE

MENOMONIE, WI 54751
UNITED STATES US

SHIP DATE: 10MAY23
ACTWGT: 25.00 LB MAN
CAD: 0269688/CAFE3621

TO **SAMPLE RECIEPT**
EUROFINS CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484
(708) 534-5200 REF:
INV:
PO DEPT:

RMA

FedEx Express

FedEx
TRK# 0221 6483 4233 1161

RETURNS MON-SAT
THU - 18 MAY 10:30A
PRIORITY OVERNIGHT

NX JOTA

60484
IL-US
ORD

543099 17May2023 EAUA 581G3/2BC3/C0B8

484t

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-234148-1

Login Number: 234148
List Number: 1
Creator: James, Jeff A

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 6/1/2023 5:09:49 PM

JOB DESCRIPTION

Junker LF

JOB NUMBER

500-234413-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

myEOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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6/1/2023 5:09:49 PM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Job ID: 500-234413-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-234413-1

Comments
No additional comments.

Receipt
The samples were received on 5/26/2023 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2º C.

GC/MS VOA
Method 8260B: Low level Acetone was detected in the following samples: 1009 La Barge Rd. Row (500-234413-1), 1014 Tanning Ln. Row (500-234413-2) and (MB 500-716142/6) Acetone is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Client Sample ID: 1009 La Barge Rd. Raw — Lab Sample ID: 500-234413-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.8	J B	10	1.7	ug/L	1		8260B	Total/NA

Client Sample ID: 1014 Tanney Ln. Raw — Lab Sample ID: 500-234413-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J B	10	1.7	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-234413-1	1009 La Barge Rd. Raw	Water	05/22/23 09:00	05/26/23 09:20
500-234413-2	1014 Tanney Ln. Raw	Water	05/22/23 09:15	05/26/23 09:20

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Client Sample ID: 1009 La Barge Rd. Raw

Date Collected: 05/22/23 09:00
Date Received: 05/26/23 09:20

Lab Sample ID: 500-234413-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.8**	**J B**	10	1.7	ug/L			06/01/23 01:30	1
Benzene	<0.15		0.50	0.15	ug/L			06/01/23 01:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/01/23 01:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/01/23 01:30	1
Bromoform	<0.48		1.0	0.48	ug/L			06/01/23 01:30	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/01/23 01:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/01/23 01:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/01/23 01:30	1
Chloroform	<0.37		2.0	0.37	ug/L			06/01/23 01:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/01/23 01:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/01/23 01:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/01/23 01:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/01/23 01:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/01/23 01:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/01/23 01:30	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/01/23 01:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/01/23 01:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/01/23 01:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/01/23 01:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/01/23 01:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/01/23 01:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/01/23 01:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/01/23 01:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:30	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/01/23 01:30	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/01/23 01:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/01/23 01:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/01/23 01:30	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/01/23 01:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/01/23 01:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/01/23 01:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/01/23 01:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:30	1
Styrene	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/01/23 01:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/01/23 01:30	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/01/23 01:30	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Client Sample ID: 1009 La Barge Rd. Raw
Date Collected: 05/22/23 09:00
Date Received: 05/26/23 09:20

Lab Sample ID: 500-234413-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/01/23 01:30	1
Toluene	<0.15		0.50	0.15	ug/L			06/01/23 01:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/01/23 01:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/01/23 01:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/01/23 01:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/01/23 01:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/01/23 01:30	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/01/23 01:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/01/23 01:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/01/23 01:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/01/23 01:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/01/23 01:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/01/23 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/01/23 01:30*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*06/01/23 01:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*06/01/23 01:30*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/01/23 01:30*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Client Sample ID: 1014 Tanney Ln. Raw

Date Collected: 05/22/23 09:15
Date Received: 05/26/23 09:20

Lab Sample ID: 500-234413-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.1**	**J B**	10	1.7	ug/L			06/01/23 01:54	1
Benzene	<0.15		0.50	0.15	ug/L			06/01/23 01:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/01/23 01:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/01/23 01:54	1
Bromoform	<0.48		1.0	0.48	ug/L			06/01/23 01:54	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/01/23 01:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/01/23 01:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/01/23 01:54	1
Chloroform	<0.37		2.0	0.37	ug/L			06/01/23 01:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/01/23 01:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/01/23 01:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/01/23 01:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/01/23 01:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/01/23 01:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/01/23 01:54	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/01/23 01:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/01/23 01:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/01/23 01:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/01/23 01:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/01/23 01:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/01/23 01:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/01/23 01:54	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/01/23 01:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:54	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/01/23 01:54	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/01/23 01:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/01/23 01:54	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/01/23 01:54	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/01/23 01:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/01/23 01:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/01/23 01:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/01/23 01:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:54	1
Styrene	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:54	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/01/23 01:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/01/23 01:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/01/23 01:54	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Client Sample ID: 1014 Tanney Ln. Raw
Date Collected: 05/22/23 09:15
Date Received: 05/26/23 09:20

Lab Sample ID: 500-234413-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/01/23 01:54	1
Toluene	<0.15		0.50	0.15	ug/L			06/01/23 01:54	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/01/23 01:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/01/23 01:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/01/23 01:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/01/23 01:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/01/23 01:54	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/01/23 01:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/01/23 01:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/01/23 01:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/01/23 01:54	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/01/23 01:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/01/23 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/01/23 01:54*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*06/01/23 01:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*06/01/23 01:54*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/01/23 01:54*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

GC/MS VOA

Analysis Batch: 716142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234413-1	1009 La Barge Rd. Raw	Total/NA	Water	8260B	
500-234413-2	1014 Tanney Ln. Raw	Total/NA	Water	8260B	
MB 500-716142/6	Method Blank	Total/NA	Water	8260B	
LCS 500-716142/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-234413-1	1009 La Barge Rd. Raw	98	94	93	93
500-234413-2	1014 Tanney Ln. Raw	101	95	93	93
LCS 500-716142/4	Lab Control Sample	102	98	94	92
MB 500-716142/6	Method Blank	100	94	92	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-716142/6
Matrix: Water
Analysis Batch: 716142

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	2.91	J	10	1.7	ug/L			05/31/23 22:09	1
Benzene	<0.15		0.50	0.15	ug/L			05/31/23 22:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			05/31/23 22:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/31/23 22:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/31/23 22:09	1
Bromoform	<0.48		1.0	0.48	ug/L			05/31/23 22:09	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/31/23 22:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/31/23 22:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/31/23 22:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/31/23 22:09	1
Chloroform	<0.37		2.0	0.37	ug/L			05/31/23 22:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/31/23 22:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/31/23 22:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/31/23 22:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/31/23 22:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/31/23 22:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/31/23 22:09	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/31/23 22:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/31/23 22:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/31/23 22:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/31/23 22:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/31/23 22:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/31/23 22:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/31/23 22:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/31/23 22:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/31/23 22:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/31/23 22:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/31/23 22:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 22:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/31/23 22:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/31/23 22:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/31/23 22:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/31/23 22:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/31/23 22:09	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/31/23 22:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/31/23 22:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/31/23 22:09	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/31/23 22:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/31/23 22:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/31/23 22:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/31/23 22:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/31/23 22:09	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/31/23 22:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 22:09	1
Styrene	<0.39		1.0	0.39	ug/L			05/31/23 22:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/31/23 22:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/31/23 22:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/31/23 22:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-716142/6
Matrix: Water
Analysis Batch: 716142

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/31/23 22:09	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/31/23 22:09	1
Toluene	<0.15		0.50	0.15	ug/L			05/31/23 22:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/31/23 22:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/31/23 22:09	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/31/23 22:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/31/23 22:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/31/23 22:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/31/23 22:09	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/31/23 22:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/31/23 22:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/31/23 22:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/31/23 22:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/31/23 22:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/31/23 22:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/31/23 22:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/31/23 22:09*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/31/23 22:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*05/31/23 22:09*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*05/31/23 22:09*	*1*

Lab Sample ID: LCS 500-716142/4
Matrix: Water
Analysis Batch: 716142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	51.0		ug/L		102	40 - 143
Benzene	50.0	46.6		ug/L		93	70 - 120
Bromobenzene	50.0	48.8		ug/L		98	70 - 122
Bromochloromethane	50.0	48.1		ug/L		96	65 - 122
Bromodichloromethane	50.0	43.2		ug/L		86	69 - 120
Bromoform	50.0	33.3		ug/L		67	56 - 132
Carbon disulfide	50.0	43.0		ug/L		86	66 - 120
Carbon tetrachloride	50.0	46.1		ug/L		92	59 - 133
Chlorobenzene	50.0	48.2		ug/L		96	70 - 120
Chloroethane	50.0	54.0		ug/L		108	48 - 136
Chloroform	50.0	49.0		ug/L		98	70 - 120
2-Chlorotoluene	50.0	46.1		ug/L		92	70 - 125
4-Chlorotoluene	50.0	47.1		ug/L		94	68 - 124
cis-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 125
cis-1,3-Dichloropropene	50.0	44.3		ug/L		89	64 - 127
Dibromochloromethane	50.0	39.5		ug/L		79	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	28.0		ug/L		56	56 - 123
1,2-Dibromoethane (EDB)	50.0	45.9		ug/L		92	70 - 125
Dichlorodifluoromethane	50.0	58.3		ug/L		117	40 - 159
1,1-Dichloroethane	50.0	49.7		ug/L		99	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-716142/4
Matrix: Water
Analysis Batch: 716142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	46.4		ug/L		93	68 - 127
1,1-Dichloroethene	50.0	46.1		ug/L		92	67 - 122
1,2-Dichloropropane	50.0	51.6		ug/L		103	67 - 130
1,3-Dichloropropane	50.0	46.7		ug/L		93	62 - 136
2,2-Dichloropropane	50.0	43.2		ug/L		86	58 - 139
1,1-Dichloropropene	50.0	48.8		ug/L		98	70 - 121
Ethylbenzene	50.0	45.3		ug/L		91	70 - 123
Hexachlorobutadiene	50.0	43.0		ug/L		86	51 - 150
Isopropylbenzene	50.0	47.8		ug/L		96	70 - 126
1,3-Dichlorobenzene	50.0	46.6		ug/L		93	70 - 125
Bromomethane	50.0	46.2		ug/L		92	40 - 152
Chloromethane	50.0	51.0		ug/L		102	56 - 152
Dibromomethane	50.0	43.3		ug/L		87	70 - 120
Methylene Chloride	50.0	44.7		ug/L		89	69 - 125
2-Butanone (MEK)	50.0	45.6		ug/L		91	46 - 144
Methyl tert-butyl ether	50.0	41.1		ug/L		82	55 - 123
Naphthalene	50.0	30.0		ug/L		60	53 - 144
n-Butylbenzene	50.0	43.0		ug/L		86	68 - 125
N-Propylbenzene	50.0	46.0		ug/L		92	69 - 127
1,2-Dichlorobenzene	50.0	43.4		ug/L		87	70 - 125
1,4-Dichlorobenzene	50.0	45.9		ug/L		92	70 - 120
4-Isopropyltoluene	50.0	46.2		ug/L		92	70 - 125
sec-Butylbenzene	50.0	46.0		ug/L		92	70 - 123
Styrene	50.0	45.9		ug/L		92	70 - 120
tert-Butylbenzene	50.0	47.1		ug/L		94	70 - 121
1,1,1,2-Tetrachloroethane	50.0	42.8		ug/L		86	70 - 125
1,1,2,2-Tetrachloroethane	50.0	46.8		ug/L		94	62 - 140
Tetrachloroethene	50.0	51.4		ug/L		103	70 - 128
Tetrahydrofuran	100	83.9		ug/L		84	59 - 139
Toluene	50.0	46.3		ug/L		93	70 - 125
trans-1,2-Dichloroethene	50.0	45.5		ug/L		91	70 - 125
trans-1,3-Dichloropropene	50.0	42.4		ug/L		85	62 - 128
1,2,3-Trichlorobenzene	50.0	33.1		ug/L		66	51 - 145
1,2,4-Trichlorobenzene	50.0	39.9		ug/L		80	57 - 137
1,1,1-Trichloroethane	50.0	45.3		ug/L		91	70 - 125
1,1,2-Trichloroethane	50.0	46.6		ug/L		93	71 - 130
Trichloroethene	50.0	51.2		ug/L		102	70 - 125
Trichlorofluoromethane	50.0	49.0		ug/L		98	55 - 128
1,2,3-Trichloropropane	50.0	46.5		ug/L		93	50 - 133
1,2,4-Trimethylbenzene	50.0	46.3		ug/L		93	70 - 123
1,3,5-Trimethylbenzene	50.0	47.3		ug/L		95	70 - 123
Vinyl chloride	50.0	51.3		ug/L		103	64 - 126
Xylenes, Total	100	88.5		ug/L		88	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-716142/4
Matrix: Water
Analysis Batch: 716142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	92		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Client Sample ID: 1009 La Barge Rd. Raw

Lab Sample ID: 500-234413-1

Date Collected: 05/22/23 09:00

Matrix: Water

Date Received: 05/26/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	716142	PMF	EET CHI	06/01/23 01:30

Client Sample ID: 1014 Tanney Ln. Raw

Lab Sample ID: 500-234413-2

Date Collected: 05/22/23 09:15

Matrix: Water

Date Received: 05/26/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	716142	PMF	EET CHI	06/01/23 01:54

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

500-234413 COC

Client Information	Sampler: Orion Rentsel	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-112529-466
Client Contact: ~~Mitch Evenson~~ Mitch E.	Phone: 715-235-9081	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin:	Page: Page 3 of 3
Company: Cedar Corporation	PWSID:	Analysis Requested		Job #: 234413
Address: 604 Wilson Avenue	Due Date Requested:			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4, Y Trizma, Z other (specify)
City: Menomonie	TAT Requested (days):			
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: ~~mitch.evenson@cedarcorp.com~~	WO #:			
Project Name: ~~City of Altoona Water Intake~~ [illegible]	Project #: 50021581			
Site: Junker LF	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	[illegible]	[illegible]	[illegible]	Lloyd Kahn_Mod_TOC	Total Number of containers	Special Instructions/Note
			Preservation Code:		N	N	N	N	N	N		
1009 LaBarge Rd Row	5/22/23	0900	G	Solid				X			3	*2
1014 Tanney Ln. Row	5/22/23	0915	G	Solid				X			3	*3
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								

Samples forwarded to Eurofins Chicago per Sandie Fredrick ss 5.24.23

Client Provided Sample Container

Cross Offs on COC by Client

0.4
0.4
21
Wet

* VIALS CONTAIN ACCEPTABLE BUBBLES

Possible Hazard Identification
☐ No Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	5/23/2022	Cedar Corp		5.24.23 0900	EEA
Relinquished by	Date/Time 5-25-23 1600	Company EEA	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Yes Δ No	Custody Seal No:	Cooler Temperature(s) °C and Other Remarks:	Fed Ex 2.3-7.2 Ice

6/1/2023

Sheri Spurgeon

From: Sandra Fredrick
Sent: Wednesday, May 24, 2023 4 58 PM
To: Sheri Spurgeon; Salvador Oropeza; Chicago - Sample Receiving
Subject: RE· Cedar Corp
Attachments: Cedar Corp.pdf

Sherri – please have this shipped to Chicago

Address is below in my contact info if needed
Thanks so much,
Sandie

In observance of Memorial Day, Eurofins Environment Testing locations will be closed on Monday, May 29, 2023

We are thankful for your business and hope that you have a wonderful day!

Sandie Fredrick
Project Manager
Eurofins Chicago
2417 Bond Street
University Park, IL 60484 USA
Phone 920-261-1660
E-mail Sandra Fredrick@ET EurofinsUS com
www EurofinsUS com/ENV | Facebook | LinkedIn

From: Sandra Fredrick
Sent: Wednesday, May 24, 2023 2:58 PM
To: Sheri Spurgeon <Sheri.Spurgeon@et.eurofinsus.com>; Salvador Oropeza <Salvador.Oropeza@et.eurofinsus.com>; Chicago - Sample Receiving <Chicago-SampleReceiving@et.eurofinsus.com>; Orion Reutzel <orion.reutzel@cedarcorp.com>; Mitch Evenson <mitch.evenson@cedarcorp.com>; Renee Sletten <renee.sletten@cedarcorp.com>
Subject: RE: Cedar Corp
Importance: High

HI Mitch,
I am having the PFAS in Sacramento shipped to Eaton per Renee.

Does this attach need to ship to Chicago overnight?

Please do make sure things are shipping to the correct labs before they are picked up.
Thanks
Sandie

In observance of Memorial Day, Eurofins Environment Testing locations will be closed on Monday, May 29, 2023.

We are thankful for your business and hope that you have a wonderful day!

Sandie Fredrick
Project Manager
Eurofins Chicago
2417 Bond Street
University Park, IL 60484 USA
Phone 920-261-1660
E-mail Sandra Fredrick@ET EurofinsUS com
www EurofinsUS com/ENV | Facebook | LinkedIn

From: Sheri Spurgeon <Sheri.Spurgeon@et.eurofinsus.com>
Sent: Wednesday, May 24, 2023 2:51 PM
To: Sandra Fredrick <Sandra Fredrick@et.eurofinsus.com>; Salvador Oropeza <Salvador.Oropeza@et.eurofinsus com>; Chicago - Sample Receiving <Chicago-SampleReceiving@et eurofinsus.com>
Subject: Cedar Corp

We received the attached samples in South Bend today and need log-in information please ☺

In recognition of the Memorial Day Holiday, Eurofins Eaton Analytical-South Bend, will be closed Saturday, May 27th through Monday, May 29th. There will be no sample receiving during this time.

Thank you,
Sheri Spurgeon
Lab Assistant II

Eurofins Eaton Analytical, LLC
110 South Hill Street, South Bend, IN 46617
USA

Phone +1 574 472 5505

Email Sheri Spurgeon@ET EurofinsUS com
Website: www.EurofinsUS.com/Eaton

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-234413-1

Login Number: 234413
List Number: 1
Creator: Berg, Nicole M

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	1.2
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	2 vails in sample 2 have small bubbles
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 6/12/2023 11:46:09 AM

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-234522-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

Generated
6/12/2023 11:46:09 AM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Job ID: 500-234522-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-234522-1

Comments
No additional comments.

Receipt
The samples were received on 5/31/2023 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method 8260B: The method blank for preparation batch analytical batch 500-717748 contained Methylene Chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound above the reporting limit; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 8260B: The following sample MSD was analyzed outside the 12 hour tune window. No further action was taken. (500-234522-B-16 MSD)

Method 8260B: The matrix spike (MS) recoveries for analytical batch 500-717748 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 500-717748 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) was within acceptance limits.

Method 8260B: Low level Methylene chloride was detected in the following samples: 767 Packer Dr Raw (500-234522-1), 763 Packer Dr Raw (500-234522-2), 941 Florence Ln Raw (500-234522-3), 941 Florence Ln DW (500-234522-4), 876 Jane Cir. Raw (500-234522-5), 946 Sadies Ln Raw (500-234522-6), 776 Holden Ln Raw (500-234522-7), 776 Holden Ln DW (500-234522-8), 735 Packer Dr Raw (500-234522-9), 741 Packer Dr Raw (500-234522-10), 982 Drover Trl Raw (500-234522-11), 989 Burch Cir. Raw (500-234522-12), 989 Burch Cir. DW (500-234522-13), 962 Labarge Rd Raw (500-234522-14), 962 Labarge Rd DW (500-234522-15) and 717 Packer Dr Raw (500-234522-16) Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260B: Low level Acetone was detected in the following samples: 941 Florence Ln DW (500-234522-4), 776 Holden Ln Raw (500-234522-7), 776 Holden Ln DW (500-234522-8) and 962 Labarge Rd Raw (500-234522-14) Acetone is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 767 Packer Dr Raw — Lab Sample ID: 500-234522-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.0	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: 763 Packer Dr Raw — Lab Sample ID: 500-234522-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	47		2.0	0.45	ug/L	1		8260B	Total/NA
Methylene Chloride	3.9	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.18	J	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: 941 Florence Ln Raw — Lab Sample ID: 500-234522-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.73	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	4.0	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.18	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.3		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 941 Florence Ln DW — Lab Sample ID: 500-234522-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.7	J	10	1.7	ug/L	1		8260B	Total/NA
Chloromethane	0.43	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.6	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.37	J	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: 876 Jane Cir. Raw — Lab Sample ID: 500-234522-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.66	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.6	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.21	J	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: 946 Sadies Ln Raw — Lab Sample ID: 500-234522-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.42	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.5	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.20	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.9		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 776 Holden Ln Raw — Lab Sample ID: 500-234522-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.8	J	10	1.7	ug/L	1		8260B	Total/NA
Chloromethane	0.40	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.3	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.18	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.9		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 776 Holden Ln DW — Lab Sample ID: 500-234522-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.1	J	10	1.7	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 776 Holden Ln DW (Continued) — Lab Sample ID: 500-234522-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.39	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.6	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.20	J	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: 735 Packer Dr Raw — Lab Sample ID: 500-234522-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	6.7		2.0	0.45	ug/L	1		8260B	Total/NA
Chloromethane	0.37	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.6	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.26	J	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: 741 Packer Dr Raw — Lab Sample ID: 500-234522-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	14		2.0	0.45	ug/L	1		8260B	Total/NA
Methylene Chloride	3.5	J B	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: 982 Drover Trl Raw — Lab Sample ID: 500-234522-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.38	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.5	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.41	J	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: 989 Burch Cir. Raw — Lab Sample ID: 500-234522-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.6	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.21	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.3		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 989 Burch Cir. DW — Lab Sample ID: 500-234522-13

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.68	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.3	J B	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: 962 Labarge Rd Raw — Lab Sample ID: 500-234522-14

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.6	J	10	1.7	ug/L	1		8260B	Total/NA
Carbon disulfide	18		2.0	0.45	ug/L	1		8260B	Total/NA
Chloromethane	1.7	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.5	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.18	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.3		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 962 Labarge Rd DW — Lab Sample ID: 500-234522-15

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.66	J	5.0	0.32	ug/L	1		8260B	Total/NA
Methylene Chloride	3.4	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 717 Packer Dr Raw

Lab Sample ID: 500-234522-16

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	9.4		2.0	0.45	ug/L	1		8260B	Total/NA
Methylene Chloride	3.5	J B	5.0	1.6	ug/L	1		8260B	Total/NA
Toluene	0.19	J	0.50	0.15	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-234522-1	767 Packer Dr Raw	Water	05/30/23 09:00	05/31/23 10:05
500-234522-2	763 Packer Dr Raw	Water	05/30/23 09:15	05/31/23 10:05
500-234522-3	941 Florence Ln Raw	Water	05/30/23 09:30	05/31/23 10:05
500-234522-4	941 Florence Ln DW	Water	05/30/23 09:35	05/31/23 10:05
500-234522-5	876 Jane Cir. Raw	Water	05/30/23 09:45	05/31/23 10:05
500-234522-6	946 Sadies Ln Raw	Water	05/30/23 10:15	05/31/23 10:05
500-234522-7	776 Holden Ln Raw	Water	05/30/23 10:30	05/31/23 10:05
500-234522-8	776 Holden Ln DW	Water	05/30/23 10:35	05/31/23 10:05
500-234522-9	735 Packer Dr Raw	Water	05/30/23 13:00	05/31/23 10:05
500-234522-10	741 Packer Dr Raw	Water	05/30/23 13:15	05/31/23 10:05
500-234522-11	982 Drover Trl Raw	Water	05/30/23 13:30	05/31/23 10:05
500-234522-12	989 Burch Cir. Raw	Water	05/30/23 14:00	05/31/23 10:05
500-234522-13	989 Burch Cir. DW	Water	05/30/23 14:05	05/31/23 10:05
500-234522-14	962 Labarge Rd Raw	Water	05/30/23 14:15	05/31/23 10:05
500-234522-15	962 Labarge Rd DW	Water	05/30/23 14:20	05/31/23 10:05
500-234522-16	717 Packer Dr Raw	Water	05/30/23 14:30	05/31/23 10:05

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 767 Packer Dr Raw
Date Collected: 05/30/23 09:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 15:11	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 15:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 15:11	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 15:11	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 15:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 15:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 15:11	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 15:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 15:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 15:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 15:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 15:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 15:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 15:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 15:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 15:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 15:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 15:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 15:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 15:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 15:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 15:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 15:11	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 15:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 15:11	1
Methylene Chloride	**4.0**	**J B**	5.0	1.6	ug/L			06/09/23 15:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 15:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 15:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 15:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 15:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:11	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 15:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 15:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 15:11	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 767 Packer Dr Raw
Date Collected: 05/30/23 09:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 15:11	1
Toluene	**0.16**	**J**	0.50	0.15	ug/L			06/09/23 15:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 15:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 15:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 15:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 15:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 15:11	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 15:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 15:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 15:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 15:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*06/09/23 15:11*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*06/09/23 15:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 15:11*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 15:11*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 763 Packer Dr Raw

Date Collected: 05/30/23 09:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 15:35	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 15:35	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 15:35	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 15:35	1
Carbon disulfide	**47**		2.0	0.45	ug/L			06/09/23 15:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 15:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 15:35	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 15:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 15:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 15:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 15:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 15:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 15:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 15:35	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 15:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 15:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 15:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 15:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 15:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 15:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 15:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 15:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:35	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 15:35	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 15:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 15:35	1
Methylene Chloride	**3.9**	**J B**	5.0	1.6	ug/L			06/09/23 15:35	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 15:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 15:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 15:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 15:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:35	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 15:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 15:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 15:35	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 763 Packer Dr Raw
Date Collected: 05/30/23 09:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 15:35	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			06/09/23 15:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 15:35	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 15:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 15:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 15:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 15:35	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 15:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 15:35	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 15:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 15:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/23 15:35*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/09/23 15:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 15:35*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 15:35*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 941 Florence Ln Raw

Date Collected: 05/30/23 09:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 15:59	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 15:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:59	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 15:59	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 15:59	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 15:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 15:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 15:59	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 15:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 15:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 15:59	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 15:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 15:59	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 15:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 15:59	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 15:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 15:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 15:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 15:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 15:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 15:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 15:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 15:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:59	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 15:59	1
Chloromethane	**0.73**	**J**	5.0	0.32	ug/L			06/09/23 15:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 15:59	1
Methylene Chloride	**4.0**	**J B**	5.0	1.6	ug/L			06/09/23 15:59	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 15:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 15:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 15:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 15:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:59	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:59	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 15:59	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 15:59	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 15:59	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 941 Florence Ln Raw
Date Collected: 05/30/23 09:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 15:59	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			06/09/23 15:59	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 15:59	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 15:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 15:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 15:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 15:59	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			06/09/23 15:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 15:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 15:59	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 15:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/23 15:59*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*06/09/23 15:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 15:59*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/09/23 15:59*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 941 Florence Ln DW

Date Collected: 05/30/23 09:35
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.7**	**J**	10	1.7	ug/L			06/09/23 16:23	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 16:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 16:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 16:23	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 16:23	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 16:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 16:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 16:23	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 16:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 16:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 16:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 16:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 16:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 16:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 16:23	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 16:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 16:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 16:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 16:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 16:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 16:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 16:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 16:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 16:23	1
Chloromethane	**0.43**	**J**	5.0	0.32	ug/L			06/09/23 16:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 16:23	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			06/09/23 16:23	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 16:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 16:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 16:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 16:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:23	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 16:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 16:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 16:23	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 941 Florence Ln DW
Date Collected: 05/30/23 09:35
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 16:23	1
Toluene	**0.37**	**J**	0.50	0.15	ug/L			06/09/23 16:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 16:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 16:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 16:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 16:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 16:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 16:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 16:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 16:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 16:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 16:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*06/09/23 16:23*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/09/23 16:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 16:23*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 16:23*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 876 Jane Cir. Raw
Date Collected: 05/30/23 09:45
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 16:48	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 16:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 16:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 16:48	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 16:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 16:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 16:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 16:48	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 16:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 16:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 16:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 16:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 16:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 16:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 16:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 16:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 16:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 16:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 16:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 16:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 16:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 16:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 16:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 16:48	1
Chloromethane	**0.66**	**J**	5.0	0.32	ug/L			06/09/23 16:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 16:48	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			06/09/23 16:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 16:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 16:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 16:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 16:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:48	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 16:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 16:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 16:48	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 876 Jane Cir. Raw
Date Collected: 05/30/23 09:45
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 16:48	1
Toluene	**0.21**	**J**	0.50	0.15	ug/L			06/09/23 16:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 16:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 16:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 16:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 16:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 16:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 16:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 16:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 16:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 16:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 16:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/23 16:48*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 16:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 16:48*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/09/23 16:48*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 946 Sadies Ln Raw

Date Collected: 05/30/23 10:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 17:12	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 17:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 17:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 17:12	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 17:12	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 17:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 17:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 17:12	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 17:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 17:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 17:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 17:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 17:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 17:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 17:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 17:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 17:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 17:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 17:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 17:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 17:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 17:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 17:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 17:12	1
Chloromethane	**0.42**	**J**	5.0	0.32	ug/L			06/09/23 17:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 17:12	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			06/09/23 17:12	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 17:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 17:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 17:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 17:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:12	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 17:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 17:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 17:12	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 946 Sadies Ln Raw
Date Collected: 05/30/23 10:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 17:12	1
Toluene	**0.20**	**J**	0.50	0.15	ug/L			06/09/23 17:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 17:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 17:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 17:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 17:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 17:12	1
Trichloroethene	**1.9**		0.50	0.16	ug/L			06/09/23 17:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 17:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 17:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 17:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 17:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/23 17:12*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/09/23 17:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 17:12*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 17:12*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 776 Holden Ln Raw

Date Collected: 05/30/23 10:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.8**	**J**	10	1.7	ug/L			06/09/23 17:36	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 17:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 17:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 17:36	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 17:36	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 17:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 17:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 17:36	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 17:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 17:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 17:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 17:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 17:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 17:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 17:36	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 17:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 17:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 17:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 17:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 17:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 17:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 17:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 17:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 17:36	1
Chloromethane	**0.40**	**J**	5.0	0.32	ug/L			06/09/23 17:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 17:36	1
Methylene Chloride	**3.3**	**J B**	5.0	1.6	ug/L			06/09/23 17:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 17:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 17:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 17:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 17:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:36	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 17:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 17:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 17:36	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 776 Holden Ln Raw
Date Collected: 05/30/23 10:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 17:36	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			06/09/23 17:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 17:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 17:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 17:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 17:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 17:36	1
Trichloroethene	**1.9**		0.50	0.16	ug/L			06/09/23 17:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 17:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 17:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 17:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 17:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*06/09/23 17:36*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 17:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 17:36*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 17:36*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 776 Holden Ln DW

Date Collected: 05/30/23 10:35
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.1**	**J**	10	1.7	ug/L			06/09/23 18:00	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 18:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 18:00	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 18:00	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 18:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 18:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 18:00	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 18:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 18:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 18:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 18:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 18:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 18:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 18:00	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 18:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 18:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 18:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 18:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 18:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 18:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 18:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 18:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:00	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 18:00	1
Chloromethane	**0.39**	**J**	5.0	0.32	ug/L			06/09/23 18:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 18:00	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			06/09/23 18:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 18:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 18:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 18:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 18:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:00	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 18:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 18:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 18:00	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 776 Holden Ln DW
Date Collected: 05/30/23 10:35
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-8
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 18:00	1
Toluene	**0.20**	**J**	0.50	0.15	ug/L			06/09/23 18:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 18:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 18:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 18:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 18:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 18:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 18:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 18:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 18:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 18:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*06/09/23 18:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*06/09/23 18:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 18:00*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 18:00*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 735 Packer Dr Raw

Date Collected: 05/30/23 13:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 18:24	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 18:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 18:24	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 18:24	1
Carbon disulfide	**6.7**		2.0	0.45	ug/L			06/09/23 18:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 18:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 18:24	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 18:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 18:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 18:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 18:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 18:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 18:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 18:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 18:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 18:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 18:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 18:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 18:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 18:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 18:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 18:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:24	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 18:24	1
Chloromethane	**0.37**	**J**	5.0	0.32	ug/L			06/09/23 18:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 18:24	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			06/09/23 18:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 18:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 18:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 18:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 18:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:24	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 18:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 18:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 18:24	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 735 Packer Dr Raw
Date Collected: 05/30/23 13:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-9
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 18:24	1
Toluene	**0.26**	**J**	0.50	0.15	ug/L			06/09/23 18:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 18:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 18:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 18:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 18:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 18:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 18:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 18:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 18:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 18:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*06/09/23 18:24*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 18:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 18:24*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 18:24*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 741 Packer Dr Raw

Date Collected: 05/30/23 13:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 18:48	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 18:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 18:48	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 18:48	1
Carbon disulfide	**14**		2.0	0.45	ug/L			06/09/23 18:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 18:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 18:48	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 18:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 18:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 18:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 18:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 18:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 18:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 18:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 18:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 18:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 18:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 18:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 18:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 18:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 18:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 18:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 18:48	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 18:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 18:48	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			06/09/23 18:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 18:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 18:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 18:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 18:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:48	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 18:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 18:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 18:48	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 741 Packer Dr Raw
Date Collected: 05/30/23 13:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-10
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 18:48	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/23 18:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 18:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 18:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 18:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 18:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 18:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 18:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 18:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 18:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 18:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*06/09/23 18:48*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 18:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 18:48*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 18:48*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 982 Drover Trl Raw

Date Collected: 05/30/23 13:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-11

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 19:12	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 19:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 19:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 19:12	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 19:12	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 19:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 19:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 19:12	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 19:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 19:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 19:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 19:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 19:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 19:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 19:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 19:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 19:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 19:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 19:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 19:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 19:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 19:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 19:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 19:12	1
Chloromethane	**0.38**	**J**	5.0	0.32	ug/L			06/09/23 19:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 19:12	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			06/09/23 19:12	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 19:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 19:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 19:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 19:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:12	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 19:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 19:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 19:12	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 982 Drover Trl Raw
Date Collected: 05/30/23 13:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-11
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 19:12	1
Toluene	**0.41**	**J**	0.50	0.15	ug/L			06/09/23 19:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 19:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 19:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 19:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 19:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 19:12	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 19:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 19:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 19:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 19:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 19:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/23 19:12*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 19:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*06/09/23 19:12*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 19:12*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 989 Burch Cir. Raw
Date Collected: 05/30/23 14:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-12
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 19:36	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 19:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 19:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 19:36	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 19:36	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 19:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 19:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 19:36	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 19:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 19:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 19:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 19:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 19:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 19:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 19:36	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 19:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 19:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 19:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 19:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 19:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 19:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 19:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 19:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 19:36	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 19:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 19:36	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			06/09/23 19:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 19:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 19:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 19:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 19:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:36	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 19:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 19:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 19:36	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 989 Burch Cir. Raw
Date Collected: 05/30/23 14:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-12
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 19:36	1
Toluene	**0.21**	**J**	0.50	0.15	ug/L			06/09/23 19:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 19:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 19:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 19:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 19:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 19:36	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			06/09/23 19:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 19:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 19:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 19:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 19:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*06/09/23 19:36*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*06/09/23 19:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*06/09/23 19:36*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/09/23 19:36*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 989 Burch Cir. DW
Date Collected: 05/30/23 14:05
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-13
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 20:00	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 20:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 20:00	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 20:00	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 20:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 20:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 20:00	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 20:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 20:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 20:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 20:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 20:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 20:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 20:00	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 20:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 20:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 20:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 20:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 20:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 20:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 20:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 20:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:00	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 20:00	1
Chloromethane	**0.68**	**J**	5.0	0.32	ug/L			06/09/23 20:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 20:00	1
Methylene Chloride	**3.3**	**J B**	5.0	1.6	ug/L			06/09/23 20:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 20:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 20:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 20:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 20:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:00	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 20:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 20:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 20:00	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 989 Burch Cir. DW
Date Collected: 05/30/23 14:05
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-13
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 20:00	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/23 20:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 20:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 20:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 20:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 20:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 20:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 20:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 20:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 20:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 20:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*06/09/23 20:00*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 20:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 20:00*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 20:00*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 962 Labarge Rd Raw

Date Collected: 05/30/23 14:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.6**	**J**	10	1.7	ug/L			06/09/23 20:25	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 20:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 20:25	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 20:25	1
Carbon disulfide	**18**		2.0	0.45	ug/L			06/09/23 20:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 20:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 20:25	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 20:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 20:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 20:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 20:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 20:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 20:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 20:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 20:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 20:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 20:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 20:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 20:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 20:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 20:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 20:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:25	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 20:25	1
Chloromethane	**1.7**	**J**	5.0	0.32	ug/L			06/09/23 20:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 20:25	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			06/09/23 20:25	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 20:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 20:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 20:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 20:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:25	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:25	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 20:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 20:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 20:25	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 962 Labarge Rd Raw

Date Collected: 05/30/23 14:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 20:25	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			06/09/23 20:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 20:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 20:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 20:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 20:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 20:25	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			06/09/23 20:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 20:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 20:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 20:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*06/09/23 20:25*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/09/23 20:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 20:25*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 20:25*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 962 Labarge Rd DW

Date Collected: 05/30/23 14:20
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-15

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 20:48	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 20:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 20:48	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 20:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 20:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 20:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 20:48	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 20:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 20:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 20:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 20:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 20:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 20:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 20:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 20:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 20:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 20:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 20:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 20:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 20:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 20:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 20:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 20:48	1
Chloromethane	**0.66**	**J**	5.0	0.32	ug/L			06/09/23 20:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 20:48	1
Methylene Chloride	**3.4**	**J B**	5.0	1.6	ug/L			06/09/23 20:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 20:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 20:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 20:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 20:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:48	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 20:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 20:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 20:48	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 962 Labarge Rd DW
Date Collected: 05/30/23 14:20
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-15
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 20:48	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			06/09/23 20:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 20:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 20:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 20:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 20:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 20:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 20:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 20:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 20:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 20:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/09/23 20:48*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 20:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 20:48*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 20:48*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 717 Packer Dr Raw

Date Collected: 05/30/23 14:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-16

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 21:13	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 21:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 21:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 21:13	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 21:13	1
Carbon disulfide	**9.4**		2.0	0.45	ug/L			06/09/23 21:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 21:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 21:13	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 21:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 21:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 21:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 21:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 21:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 21:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 21:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 21:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 21:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 21:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 21:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 21:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 21:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 21:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 21:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 21:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 21:13	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 21:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 21:13	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			06/09/23 21:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 21:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 21:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 21:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 21:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 21:13	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 21:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 21:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 21:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 21:13	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 717 Packer Dr Raw
Date Collected: 05/30/23 14:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-16
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 21:13	1
Toluene	**0.19**	**J**	0.50	0.15	ug/L			06/09/23 21:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 21:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 21:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 21:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 21:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 21:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 21:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 21:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 21:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 21:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 21:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*06/09/23 21:13*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 21:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 21:13*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 21:13*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

GC/MS VOA

Analysis Batch: 717748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234522-1	767 Packer Dr Raw	Total/NA	Water	8260B	
500-234522-2	763 Packer Dr Raw	Total/NA	Water	8260B	
500-234522-3	941 Florence Ln Raw	Total/NA	Water	8260B	
500-234522-4	941 Florence Ln DW	Total/NA	Water	8260B	
500-234522-5	876 Jane Cir. Raw	Total/NA	Water	8260B	
500-234522-6	946 Sadies Ln Raw	Total/NA	Water	8260B	
500-234522-7	776 Holden Ln Raw	Total/NA	Water	8260B	
500-234522-8	776 Holden Ln DW	Total/NA	Water	8260B	
500-234522-9	735 Packer Dr Raw	Total/NA	Water	8260B	
500-234522-10	741 Packer Dr Raw	Total/NA	Water	8260B	
500-234522-11	982 Drover Trl Raw	Total/NA	Water	8260B	
500-234522-12	989 Burch Cir. Raw	Total/NA	Water	8260B	
500-234522-13	989 Burch Cir. DW	Total/NA	Water	8260B	
500-234522-14	962 Labarge Rd Raw	Total/NA	Water	8260B	
500-234522-15	962 Labarge Rd DW	Total/NA	Water	8260B	
500-234522-16	717 Packer Dr Raw	Total/NA	Water	8260B	
MB 500-717748/6	Method Blank	Total/NA	Water	8260B	
LCS 500-717748/4	Lab Control Sample	Total/NA	Water	8260B	
500-234522-16 MS	717 Packer Dr Raw	Total/NA	Water	8260B	
500-234522-16 MSD	717 Packer Dr Raw	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-234522-1	767 Packer Dr Raw	97	101	91	93
500-234522-2	763 Packer Dr Raw	98	104	92	92
500-234522-3	941 Florence Ln Raw	98	101	91	94
500-234522-4	941 Florence Ln DW	97	104	91	93
500-234522-5	876 Jane Cir. Raw	98	103	92	94
500-234522-6	946 Sadies Ln Raw	98	104	91	92
500-234522-7	776 Holden Ln Raw	100	103	92	93
500-234522-8	776 Holden Ln DW	99	100	92	92
500-234522-9	735 Packer Dr Raw	97	103	91	92
500-234522-10	741 Packer Dr Raw	99	103	92	93
500-234522-11	982 Drover Trl Raw	98	103	93	92
500-234522-12	989 Burch Cir. Raw	106	105	93	95
500-234522-13	989 Burch Cir. DW	99	103	92	92
500-234522-14	962 Labarge Rd Raw	103	104	92	93
500-234522-15	962 Labarge Rd DW	101	103	92	93
500-234522-16	717 Packer Dr Raw	99	103	91	93
500-234522-16 MS	717 Packer Dr Raw	98	99	90	94
500-234522-16 MSD	717 Packer Dr Raw	100	100	87	94
LCS 500-717748/4	Lab Control Sample	96	99	86	95
MB 500-717748/6	Method Blank	96	102	90	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-717748/6
Matrix: Water
Analysis Batch: 717748

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 12:46	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 12:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 12:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 12:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 12:46	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 12:46	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 12:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 12:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 12:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 12:46	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 12:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 12:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 12:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 12:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 12:46	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 12:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 12:46	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 12:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 12:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 12:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 12:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 12:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 12:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 12:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 12:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 12:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 12:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 12:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 12:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 12:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 12:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 12:46	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 12:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 12:46	1
Methylene Chloride	5.04		5.0	1.6	ug/L			06/09/23 12:46	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 12:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 12:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 12:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 12:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 12:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 12:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 12:46	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 12:46	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 12:46	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 12:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 12:46	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 12:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 12:46	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-717748/6
Matrix: Water
Analysis Batch: 717748

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 12:46	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 12:46	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/23 12:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 12:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 12:46	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 12:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 12:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 12:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 12:46	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 12:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 12:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 12:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 12:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 12:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 12:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 12:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*06/09/23 12:46*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*06/09/23 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*06/09/23 12:46*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/09/23 12:46*	*1*

Lab Sample ID: LCS 500-717748/4
Matrix: Water
Analysis Batch: 717748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	47.7		ug/L		95	40 - 143
Benzene	50.0	43.8		ug/L		88	70 - 120
Bromobenzene	50.0	48.6		ug/L		97	70 - 122
Bromochloromethane	50.0	48.9		ug/L		98	65 - 122
Bromodichloromethane	50.0	48.0		ug/L		96	69 - 120
Bromoform	50.0	63.3		ug/L		127	56 - 132
Carbon disulfide	50.0	48.2		ug/L		96	66 - 120
Carbon tetrachloride	50.0	46.0		ug/L		92	59 - 133
Chlorobenzene	50.0	47.8		ug/L		96	70 - 120
Chloroethane	50.0	42.9		ug/L		86	48 - 136
Chloroform	50.0	43.5		ug/L		87	70 - 120
2-Chlorotoluene	50.0	46.3		ug/L		93	70 - 125
4-Chlorotoluene	50.0	46.7		ug/L		93	68 - 124
cis-1,2-Dichloroethene	50.0	44.4		ug/L		89	70 - 125
cis-1,3-Dichloropropene	50.0	44.1		ug/L		88	64 - 127
Dibromochloromethane	50.0	55.1		ug/L		110	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	45.9		ug/L		92	56 - 123
1,2-Dibromoethane (EDB)	50.0	46.6		ug/L		93	70 - 125
Dichlorodifluoromethane	50.0	21.9		ug/L		44	40 - 159
1,1-Dichloroethane	50.0	42.1		ug/L		84	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-717748/4
Matrix: Water
Analysis Batch: 717748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	41.5		ug/L		83	68 - 127
1,1-Dichloroethene	50.0	44.9		ug/L		90	67 - 122
1,2-Dichloropropane	50.0	44.5		ug/L		89	67 - 130
1,3-Dichloropropane	50.0	46.7		ug/L		93	62 - 136
2,2-Dichloropropane	50.0	39.2		ug/L		78	58 - 139
1,1-Dichloropropene	50.0	43.4		ug/L		87	70 - 121
Ethylbenzene	50.0	46.5		ug/L		93	70 - 123
Hexachlorobutadiene	50.0	38.7		ug/L		77	51 - 150
Isopropylbenzene	50.0	45.5		ug/L		91	70 - 126
1,3-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 125
Bromomethane	50.0	53.5		ug/L		107	40 - 152
Chloromethane	50.0	29.6		ug/L		59	56 - 152
Dibromomethane	50.0	46.4		ug/L		93	70 - 120
Methylene Chloride	50.0	52.1		ug/L		104	69 - 125
2-Butanone (MEK)	50.0	42.6		ug/L		85	46 - 144
Methyl tert-butyl ether	50.0	32.4		ug/L		65	55 - 123
Naphthalene	50.0	37.5		ug/L		75	53 - 144
n-Butylbenzene	50.0	43.7		ug/L		87	68 - 125
N-Propylbenzene	50.0	47.4		ug/L		95	69 - 127
1,2-Dichlorobenzene	50.0	45.8		ug/L		92	70 - 125
1,4-Dichlorobenzene	50.0	46.2		ug/L		92	70 - 120
4-Isopropyltoluene	50.0	46.5		ug/L		93	70 - 125
sec-Butylbenzene	50.0	46.1		ug/L		92	70 - 123
Styrene	50.0	50.2		ug/L		100	70 - 120
tert-Butylbenzene	50.0	45.5		ug/L		91	70 - 121
1,1,1,2-Tetrachloroethane	50.0	49.1		ug/L		98	70 - 125
1,1,2,2-Tetrachloroethane	50.0	48.7		ug/L		97	62 - 140
Tetrachloroethene	50.0	45.8		ug/L		92	70 - 128
Tetrahydrofuran	100	78.8		ug/L		79	59 - 139
Toluene	50.0	48.2		ug/L		96	70 - 125
trans-1,2-Dichloroethene	50.0	45.2		ug/L		90	70 - 125
trans-1,3-Dichloropropene	50.0	46.6		ug/L		93	62 - 128
1,2,3-Trichlorobenzene	50.0	35.0		ug/L		70	51 - 145
1,2,4-Trichlorobenzene	50.0	36.0		ug/L		72	57 - 137
1,1,1-Trichloroethane	50.0	41.1		ug/L		82	70 - 125
1,1,2-Trichloroethane	50.0	46.4		ug/L		93	71 - 130
Trichloroethene	50.0	46.6		ug/L		93	70 - 125
Trichlorofluoromethane	50.0	42.5		ug/L		85	55 - 128
1,2,3-Trichloropropane	50.0	47.3		ug/L		95	50 - 133
1,2,4-Trimethylbenzene	50.0	46.8		ug/L		94	70 - 123
1,3,5-Trimethylbenzene	50.0	46.3		ug/L		93	70 - 123
Vinyl chloride	50.0	34.3		ug/L		69	64 - 126
Xylenes, Total	100	94.4		ug/L		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-717748/4
Matrix: Water
Analysis Batch: 717748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	95		75 - 120

Lab Sample ID: 500-234522-16 MS
Matrix: Water
Analysis Batch: 717748

Client Sample ID: 717 Packer Dr Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	<1.7		50.0	45.2		ug/L		90	40 - 143
Benzene	<0.15		50.0	48.1		ug/L		96	70 - 120
Bromobenzene	<0.36		50.0	52.4		ug/L		105	70 - 122
Bromochloromethane	<0.43		50.0	53.0		ug/L		106	65 - 122
Bromodichloromethane	<0.37		50.0	52.5		ug/L		105	69 - 120
Bromoform	<0.48		50.0	68.0	F1	ug/L		136	56 - 132
Carbon disulfide	9.4		50.0	54.3		ug/L		90	66 - 120
Carbon tetrachloride	<0.38		50.0	51.8		ug/L		104	59 - 133
Chlorobenzene	<0.39		50.0	49.7		ug/L		99	70 - 120
Chloroethane	<0.51		50.0	47.7		ug/L		95	48 - 136
Chloroform	<0.37		50.0	47.6		ug/L		95	70 - 120
2-Chlorotoluene	<0.31		50.0	50.2		ug/L		100	70 - 125
4-Chlorotoluene	<0.35		50.0	50.7		ug/L		101	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	49.7		ug/L		99	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	46.4		ug/L		93	64 - 127
Dibromochloromethane	<0.49		50.0	60.1		ug/L		120	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	50.1		ug/L		100	56 - 123
1,2-Dibromoethane (EDB)	<0.39		50.0	50.1		ug/L		100	70 - 125
Dichlorodifluoromethane	<0.67		50.0	45.4		ug/L		91	40 - 159
1,1-Dichloroethane	<0.41		50.0	46.6		ug/L		93	70 - 125
1,2-Dichloroethane	<0.39		50.0	44.8		ug/L		90	68 - 127
1,1-Dichloroethene	<0.39		50.0	49.2		ug/L		98	67 - 122
1,2-Dichloropropane	<0.43		50.0	48.2		ug/L		96	67 - 130
1,3-Dichloropropane	<0.36		50.0	48.6		ug/L		97	62 - 136
2,2-Dichloropropane	<0.44		50.0	45.0		ug/L		90	58 - 139
1,1-Dichloropropene	<0.30		50.0	46.8		ug/L		94	70 - 121
Ethylbenzene	<0.18		50.0	49.1		ug/L		98	70 - 123
Hexachlorobutadiene	<0.45		50.0	41.7		ug/L		83	51 - 150
Isopropylbenzene	<0.39		50.0	49.4		ug/L		99	70 - 126
1,3-Dichlorobenzene	<0.40		50.0	48.7		ug/L		97	70 - 125
Bromomethane	<0.80		50.0	53.9		ug/L		108	40 - 152
Chloromethane	<0.32		50.0	45.2		ug/L		90	56 - 152
Dibromomethane	<0.27		50.0	49.2		ug/L		98	70 - 120
Methylene Chloride	3.5	J B	50.0	52.7		ug/L		98	69 - 125
2-Butanone (MEK)	<2.1		50.0	43.6		ug/L		87	46 - 144
Methyl tert-butyl ether	<0.39		50.0	36.4		ug/L		73	55 - 123
Naphthalene	<0.34		50.0	39.9		ug/L		80	53 - 144
n-Butylbenzene	<0.39		50.0	46.4		ug/L		93	68 - 125
N-Propylbenzene	<0.41		50.0	51.4		ug/L		103	69 - 127
1,2-Dichlorobenzene	<0.33		50.0	50.0		ug/L		100	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	48.7		ug/L		97	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-234522-16 MS
Matrix: Water
Analysis Batch: 717748

Client Sample ID: 717 Packer Dr Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Isopropyltoluene	<0.36		50.0	49.4		ug/L		99	70 - 125
sec-Butylbenzene	<0.40		50.0	49.4		ug/L		99	70 - 123
Styrene	<0.39		50.0	52.6		ug/L		105	70 - 120
tert-Butylbenzene	<0.40		50.0	50.5		ug/L		101	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	51.7		ug/L		103	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	52.8		ug/L		106	62 - 140
Tetrachloroethene	<0.37		50.0	48.5		ug/L		97	70 - 128
Tetrahydrofuran	<1.9		100	83.5		ug/L		84	59 - 139
Toluene	0.19	J	50.0	50.6		ug/L		101	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	49.5		ug/L		99	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	49.0		ug/L		98	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	36.4		ug/L		73	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	38.0		ug/L		76	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	46.4		ug/L		93	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	50.5		ug/L		101	71 - 130
Trichloroethene	<0.16		50.0	49.7		ug/L		99	70 - 125
Trichlorofluoromethane	<0.43		50.0	45.6		ug/L		91	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	51.7		ug/L		103	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	51.4		ug/L		103	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	50.4		ug/L		101	70 - 123
Vinyl chloride	<0.20		50.0	47.9		ug/L		96	64 - 126
Xylenes, Total	<0.22		100	99.7		ug/L		100	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: 500-234522-16 MSD
Matrix: Water
Analysis Batch: 717748

Client Sample ID: 717 Packer Dr Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	<1.7		50.0	43.2		ug/L		86	40 - 143	5	20
Benzene	<0.15		50.0	47.6		ug/L		95	70 - 120	1	20
Bromobenzene	<0.36		50.0	52.8		ug/L		106	70 - 122	1	20
Bromochloromethane	<0.43		50.0	52.3		ug/L		105	65 - 122	1	20
Bromodichloromethane	<0.37		50.0	53.0		ug/L		106	69 - 120	1	20
Bromoform	<0.48		50.0	64.3		ug/L		129	56 - 132	6	20
Carbon disulfide	9.4		50.0	54.6		ug/L		90	66 - 120	1	20
Carbon tetrachloride	<0.38		50.0	51.6		ug/L		103	59 - 133	0	20
Chlorobenzene	<0.39		50.0	49.1		ug/L		98	70 - 120	1	20
Chloroethane	<0.51		50.0	48.3		ug/L		97	48 - 136	1	20
Chloroform	<0.37		50.0	47.2		ug/L		94	70 - 120	1	20
2-Chlorotoluene	<0.31		50.0	49.9		ug/L		100	70 - 125	1	20
4-Chlorotoluene	<0.35		50.0	50.7		ug/L		101	68 - 124	0	20
cis-1,2-Dichloroethene	<0.41		50.0	48.7		ug/L		97	70 - 125	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-234522-16 MSD
Matrix: Water
Analysis Batch: 717748

Client Sample ID: 717 Packer Dr Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	<0.42		50.0	46.9		ug/L		94	64 - 127	1	20
Dibromochloromethane	<0.49		50.0	58.0		ug/L		116	68 - 125	3	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	47.6		ug/L		95	56 - 123	5	20
1,2-Dibromoethane (EDB)	<0.39		50.0	48.8		ug/L		98	70 - 125	3	20
Dichlorodifluoromethane	<0.67		50.0	45.5		ug/L		91	40 - 159	0	20
1,1-Dichloroethane	<0.41		50.0	47.0		ug/L		94	70 - 125	1	20
1,2-Dichloroethane	<0.39		50.0	44.2		ug/L		88	68 - 127	1	20
1,1-Dichloroethene	<0.39		50.0	50.0		ug/L		100	67 - 122	2	20
1,2-Dichloropropane	<0.43		50.0	47.2		ug/L		94	67 - 130	2	20
1,3-Dichloropropane	<0.36		50.0	47.3		ug/L		95	62 - 136	3	20
2,2-Dichloropropane	<0.44		50.0	46.3		ug/L		93	58 - 139	3	20
1,1-Dichloropropene	<0.30		50.0	47.6		ug/L		95	70 - 121	2	20
Ethylbenzene	<0.18		50.0	48.0		ug/L		96	70 - 123	2	20
Hexachlorobutadiene	<0.45		50.0	34.0		ug/L		68	51 - 150	20	20
Isopropylbenzene	<0.39		50.0	49.5		ug/L		99	70 - 126	0	20
1,3-Dichlorobenzene	<0.40		50.0	48.2		ug/L		96	70 - 125	1	20
Bromomethane	<0.80		50.0	42.8	F2	ug/L		86	40 - 152	23	20
Chloromethane	<0.32		50.0	43.8		ug/L		88	56 - 152	3	20
Dibromomethane	<0.27		50.0	48.6		ug/L		97	70 - 120	1	20
Methylene Chloride	3.5	J B	50.0	52.3		ug/L		97	69 - 125	1	20
2-Butanone (MEK)	<2.1		50.0	42.5		ug/L		85	46 - 144	2	20
Methyl tert-butyl ether	<0.39		50.0	36.3		ug/L		73	55 - 123	0	20
Naphthalene	<0.34		50.0	32.6		ug/L		65	53 - 144	20	20
n-Butylbenzene	<0.39		50.0	43.8		ug/L		88	68 - 125	6	20
N-Propylbenzene	<0.41		50.0	51.2		ug/L		102	69 - 127	0	20
1,2-Dichlorobenzene	<0.33		50.0	47.9		ug/L		96	70 - 125	4	20
1,4-Dichlorobenzene	<0.36		50.0	47.7		ug/L		95	70 - 120	2	20
4-Isopropyltoluene	<0.36		50.0	47.8		ug/L		96	70 - 125	3	20
sec-Butylbenzene	<0.40		50.0	48.2		ug/L		96	70 - 123	3	20
Styrene	<0.39		50.0	51.7		ug/L		103	70 - 120	2	20
tert-Butylbenzene	<0.40		50.0	49.3		ug/L		99	70 - 121	2	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	51.4		ug/L		103	70 - 125	0	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	51.5		ug/L		103	62 - 140	3	20
Tetrachloroethene	<0.37		50.0	47.5		ug/L		95	70 - 128	2	20
Tetrahydrofuran	<1.9		100	81.2		ug/L		81	59 - 139	3	20
Toluene	0.19	J	50.0	50.3		ug/L		100	70 - 125	1	20
trans-1,2-Dichloroethene	<0.35		50.0	49.5		ug/L		99	70 - 125	0	20
trans-1,3-Dichloropropene	<0.36		50.0	47.5		ug/L		95	62 - 128	3	20
1,2,3-Trichlorobenzene	<0.46		50.0	28.7	F2	ug/L		57	51 - 145	24	20
1,2,4-Trichlorobenzene	<0.34		50.0	31.0		ug/L		62	57 - 137	20	20
1,1,1-Trichloroethane	<0.38		50.0	46.8		ug/L		94	70 - 125	1	20
1,1,2-Trichloroethane	<0.35		50.0	47.6		ug/L		95	71 - 130	6	20
Trichloroethene	<0.16		50.0	50.0		ug/L		100	70 - 125	1	20
Trichlorofluoromethane	<0.43		50.0	47.6		ug/L		95	55 - 128	4	20
1,2,3-Trichloropropane	<0.41		50.0	53.2		ug/L		106	50 - 133	3	20
1,2,4-Trimethylbenzene	<0.36		50.0	50.2		ug/L		100	70 - 123	2	20
1,3,5-Trimethylbenzene	<0.25		50.0	50.2		ug/L		100	70 - 123	0	20
Vinyl chloride	<0.20		50.0	48.4		ug/L		97	64 - 126	1	20
Xylenes, Total	<0.22		100	97.7		ug/L		98	70 - 125	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		72 - 124
Dibromofluoromethane (Surr)	100		75 - 120
1,2-Dichloroethane-d4 (Surr)	87		75 - 126
Toluene-d8 (Surr)	94		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 767 Packer Dr Raw
Lab Sample ID: 500-234522-1
Date Collected: 05/30/23 09:00
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 15:11

Client Sample ID: 763 Packer Dr Raw
Lab Sample ID: 500-234522-2
Date Collected: 05/30/23 09:15
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 15:35

Client Sample ID: 941 Florence Ln Raw
Lab Sample ID: 500-234522-3
Date Collected: 05/30/23 09:30
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 15:59

Client Sample ID: 941 Florence Ln DW
Lab Sample ID: 500-234522-4
Date Collected: 05/30/23 09:35
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 16:23

Client Sample ID: 876 Jane Cir. Raw
Lab Sample ID: 500-234522-5
Date Collected: 05/30/23 09:45
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 16:48

Client Sample ID: 946 Sadies Ln Raw
Lab Sample ID: 500-234522-6
Date Collected: 05/30/23 10:15
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 17:12

Client Sample ID: 776 Holden Ln Raw
Lab Sample ID: 500-234522-7
Date Collected: 05/30/23 10:30
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 17:36

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 776 Holden Ln DW
Lab Sample ID: 500-234522-8
Date Collected: 05/30/23 10:35
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 18:00

Client Sample ID: 735 Packer Dr Raw
Lab Sample ID: 500-234522-9
Date Collected: 05/30/23 13:00
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 18:24

Client Sample ID: 741 Packer Dr Raw
Lab Sample ID: 500-234522-10
Date Collected: 05/30/23 13:15
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 18:48

Client Sample ID: 982 Drover Trl Raw
Lab Sample ID: 500-234522-11
Date Collected: 05/30/23 13:30
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 19:12

Client Sample ID: 989 Burch Cir. Raw
Lab Sample ID: 500-234522-12
Date Collected: 05/30/23 14:00
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 19:36

Client Sample ID: 989 Burch Cir. DW
Lab Sample ID: 500-234522-13
Date Collected: 05/30/23 14:05
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 20:00

Client Sample ID: 962 Labarge Rd Raw
Lab Sample ID: 500-234522-14
Date Collected: 05/30/23 14:15
Matrix: Water
Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 20:25

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 962 Labarge Rd DW

Lab Sample ID: 500-234522-15

Date Collected: 05/30/23 14:20

Matrix: Water

Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 20:48

Client Sample ID: 717 Packer Dr Raw

Lab Sample ID: 500-234522-16

Date Collected: 05/30/23 14:30

Matrix: Water

Date Received: 05/31/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	717748	LMB	EET CHI	06/09/23 21:13

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-234522-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chicago
2417 Bond Street

University Park, IL 60466
phone 708.534 5200 fax 708 534.5363

eurofins Environment Testing America

Chain of Custody Record

Client Contact	Project Manager Anna Beckman	Site Contact	Date	COC No
Your Company Name here Cedar Corporation	Tel/Fax.	Lab Contact:	Carrier	of COCs
Address 604 Wilson Ave	Analysis Turnaround Time			Job No 500-234522
City/State/Zip Menominee, WI 54751	Calendar (C) or Work Days (W)			SDG No
(xxx) xxx-xxxx Phone 715-235-9091	TAT if different from Below			
(xxx) xxx-xxxx FAX	☐ 2 weeks			
Project Name Junker LF Residentials	☐ 1 week			
Site	☐ 2 days			
PO#	☐ 1 day			

500-234522 COC

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample VOCs	Sample Specific Notes
1	7167 Packer Dr Raw	5/30/23	0900	dw g	W	3	X	
2	7163 Packer Dr Raw		0915					
3	941 Florence Ln Raw		0930					
4	941 Florence Ln DW		0935					
5	876 Jane Cir Raw		0945					
6	946 Sadies Ln Raw		1015					
7	776 Holden Ln Raw		1030					
8	776 Holden Ln DW		1035					
9	735 Packer Dr Raw		1300					
10	741 Packer Dr Raw		1315					
11	982 Drover Trl Raw		1330					
12	989 Burch Cir Raw	↓	1400	↓	↓	↓	↓	

Preservation Used 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments

27 → 26

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Cedar Corp	5/30/23 1655	[signature]	EBTA	5/31/23 1005
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time

Chicago
2417 Bond Street

University Park, IL 60466
phone 708 534 5200 fax 708 534.5363

eurofins Environment Testing America

Chain of Custody Record

Client Contact	Project Manager Anna Beckman	Site Contact	Date:	COC No
Your Company Name here Cedar Corporation	Tel/Fax:	Lab Contact	Carrier	____ of ____ COCs
Address 1004 Wilson Ave	Analysis Turnaround Time			Job No 500-234522
City/State/Zip Menomonie, WI 54751	Calendar (C) or Work Days (W) ____			
(xxx) xxx-xxxx Phone 715-235-9081	TAT if different from Below ____			SDG No
(xxx) xxx-xxxx FAX	☐ 2 weeks			
Project Name Junker LF Residentials	☐ 1 week			
Site	☐ 2 days			
PO#	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample VOCs	Sample Specific Notes
13	989 Burch Cir DW	5/30/23	1405	G	W	3	X	
14	962 Labarge Rd Raw	↓	1415	↓	↓	↓	X	
15	962 Labarge Rd DW	↓	1420	↓	↓	↓	X	
16	717 Packer Dr Raw	↓	1430	↓	↓	↓	X	

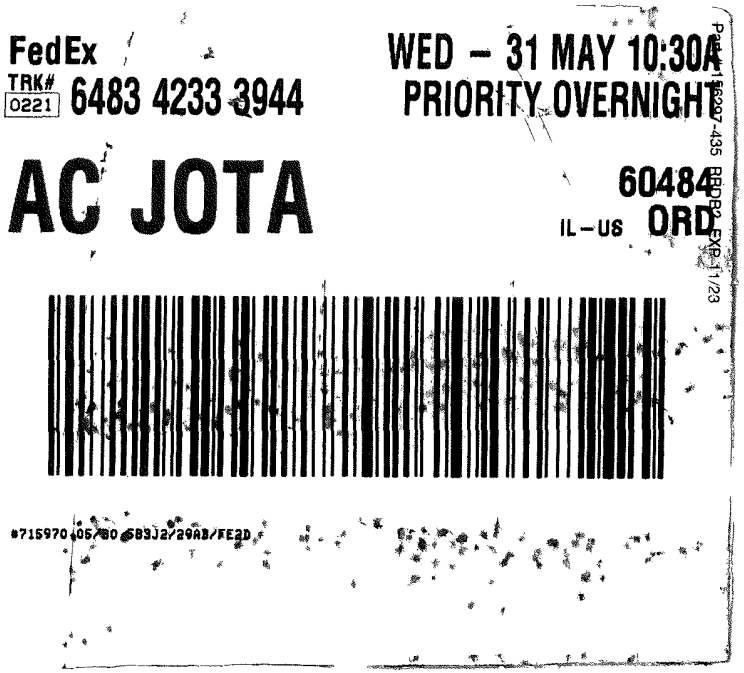
Preservation Used 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other ____

Possible Hazard Identification
☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements & Comments

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Cedar Corp	5/30/23 1700	[signature]	EEN	5/31/23 1005
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time



500-234522 Waybi

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-234522-1

Login Number: 234522
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 6/14/2023 5:22:45 PM

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-234941-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Job ID: 500-234941-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-234941-1

Receipt
The samples were received on 6/8/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 933 Sadies Ln Raw — Lab Sample ID: 500-234941-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.7	J	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	1.3		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 757 Packer Dr Raw — Lab Sample ID: 500-234941-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.7	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.9	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: 737 Packer Dr Raw — Lab Sample ID: 500-234941-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.6	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.9	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: 963 Labarge Rd Raw — Lab Sample ID: 500-234941-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.8	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	3.1	J	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	0.33	J	0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 963 Labarge Rd DW — Lab Sample ID: 500-234941-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	J	10	1.7	ug/L	1		8260B	Total/NA
Methylene Chloride	2.9	J	5.0	1.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-234941-1	933 Sadies Ln Raw	Water	06/06/23 08:30	06/08/23 09:50
500-234941-2	757 Packer Dr Raw	Water	06/06/23 08:45	06/08/23 09:50
500-234941-3	737 Packer Dr Raw	Water	06/06/23 09:00	06/08/23 09:50
500-234941-4	963 Labarge Rd Raw	Water	06/06/23 09:15	06/08/23 09:50
500-234941-5	963 Labarge Rd DW	Water	06/06/23 09:20	06/08/23 09:50

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 933 Sadies Ln Raw
Date Collected: 06/06/23 08:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.3**	**J**	10	1.7	ug/L			06/13/23 16:29	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 16:29	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 16:29	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 16:29	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 16:29	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 16:29	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 16:29	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 16:29	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 16:29	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 16:29	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 16:29	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 16:29	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 16:29	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 16:29	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 16:29	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 16:29	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 16:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 16:29	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 16:29	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 16:29	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 16:29	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 16:29	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 16:29	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:29	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 16:29	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 16:29	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 16:29	1
Methylene Chloride	**2.7**	**J**	5.0	1.6	ug/L			06/13/23 16:29	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 16:29	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 16:29	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 16:29	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 16:29	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:29	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:29	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 16:29	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 16:29	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 16:29	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 933 Sadies Ln Raw
Date Collected: 06/06/23 08:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 16:29	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 16:29	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 16:29	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 16:29	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 16:29	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 16:29	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 16:29	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			06/13/23 16:29	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 16:29	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 16:29	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 16:29	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 16:29	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*06/13/23 16:29*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*06/13/23 16:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*06/13/23 16:29*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/13/23 16:29*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 757 Packer Dr Raw

Date Collected: 06/06/23 08:45
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.7**	**J**	10	1.7	ug/L			06/13/23 16:54	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 16:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 16:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 16:54	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 16:54	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 16:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 16:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 16:54	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 16:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 16:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 16:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 16:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 16:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 16:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 16:54	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 16:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 16:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 16:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 16:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 16:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 16:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 16:54	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 16:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:54	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 16:54	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 16:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 16:54	1
Methylene Chloride	**2.9**	**J**	5.0	1.6	ug/L			06/13/23 16:54	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 16:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 16:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 16:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 16:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:54	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:54	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 16:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 16:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 16:54	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 757 Packer Dr Raw
Date Collected: 06/06/23 08:45
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 16:54	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 16:54	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 16:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 16:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 16:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 16:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 16:54	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/23 16:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 16:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 16:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 16:54	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 16:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*06/13/23 16:54*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*06/13/23 16:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*06/13/23 16:54*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*06/13/23 16:54*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 737 Packer Dr Raw

Date Collected: 06/06/23 09:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.6**	**J**	10	1.7	ug/L			06/13/23 17:18	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 17:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 17:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 17:18	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 17:18	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 17:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 17:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 17:18	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 17:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 17:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 17:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 17:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 17:18	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 17:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 17:18	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 17:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 17:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 17:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 17:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 17:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 17:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 17:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 17:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:18	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 17:18	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 17:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 17:18	1
Methylene Chloride	**2.9**	**J**	5.0	1.6	ug/L			06/13/23 17:18	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 17:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 17:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 17:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 17:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:18	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:18	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 17:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 17:18	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 17:18	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 737 Packer Dr Raw
Date Collected: 06/06/23 09:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 17:18	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 17:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 17:18	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 17:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 17:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 17:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 17:18	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/23 17:18	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 17:18	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 17:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 17:18	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 17:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*06/13/23 17:18*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*06/13/23 17:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*06/13/23 17:18*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/13/23 17:18*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 963 Labarge Rd Raw

Date Collected: 06/06/23 09:15
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.8**	**J**	10	1.7	ug/L			06/13/23 17:42	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 17:42	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 17:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 17:42	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 17:42	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 17:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 17:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 17:42	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 17:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 17:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 17:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 17:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 17:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 17:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 17:42	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 17:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 17:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 17:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 17:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 17:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 17:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 17:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 17:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 17:42	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 17:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 17:42	1
Methylene Chloride	**3.1**	**J**	5.0	1.6	ug/L			06/13/23 17:42	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 17:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 17:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 17:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 17:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:42	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 17:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 17:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 17:42	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 963 Labarge Rd Raw
Date Collected: 06/06/23 09:15
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 17:42	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 17:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 17:42	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 17:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 17:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 17:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 17:42	1
Trichloroethene	**0.33**	**J**	0.50	0.16	ug/L			06/13/23 17:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 17:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 17:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 17:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 17:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*06/13/23 17:42*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*06/13/23 17:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*06/13/23 17:42*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*06/13/23 17:42*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 963 Labarge Rd DW

Date Collected: 06/06/23 09:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.2**	**J**	10	1.7	ug/L			06/13/23 18:07	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 18:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 18:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 18:07	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 18:07	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 18:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 18:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 18:07	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 18:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 18:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 18:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 18:07	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 18:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 18:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 18:07	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 18:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 18:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 18:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 18:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 18:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 18:07	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 18:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 18:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 18:07	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 18:07	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 18:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 18:07	1
Methylene Chloride	**2.9**	**J**	5.0	1.6	ug/L			06/13/23 18:07	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 18:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 18:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 18:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 18:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 18:07	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 18:07	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 18:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 18:07	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 18:07	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 963 Labarge Rd DW
Date Collected: 06/06/23 09:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 18:07	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 18:07	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 18:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 18:07	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 18:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 18:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 18:07	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/23 18:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 18:07	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 18:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 18:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 18:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*06/13/23 18:07*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*06/13/23 18:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*06/13/23 18:07*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/13/23 18:07*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

GC/MS VOA

Analysis Batch: 718227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-234941-1	933 Sadies Ln Raw	Total/NA	Water	8260B	
500-234941-2	757 Packer Dr Raw	Total/NA	Water	8260B	
500-234941-3	737 Packer Dr Raw	Total/NA	Water	8260B	
500-234941-4	963 Labarge Rd Raw	Total/NA	Water	8260B	
500-234941-5	963 Labarge Rd DW	Total/NA	Water	8260B	
MB 500-718227/6	Method Blank	Total/NA	Water	8260B	
LCS 500-718227/7	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-234941-1	933 Sadies Ln Raw	104	96	95	95
500-234941-2	757 Packer Dr Raw	106	96	94	96
500-234941-3	737 Packer Dr Raw	103	97	95	94
500-234941-4	963 Labarge Rd Raw	104	93	94	96
500-234941-5	963 Labarge Rd DW	103	97	96	94
LCS 500-718227/7	Lab Control Sample	101	98	92	96
MB 500-718227/6	Method Blank	100	94	92	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-718227/6
Matrix: Water
Analysis Batch: 718227

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/13/23 11:22	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 11:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 11:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 11:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 11:22	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 11:22	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 11:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 11:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 11:22	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 11:22	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 11:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 11:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 11:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 11:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 11:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 11:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 11:22	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 11:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 11:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 11:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 11:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 11:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 11:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 11:22	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 11:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 11:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 11:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 11:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 11:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 11:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 11:22	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 11:22	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 11:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 11:22	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/13/23 11:22	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 11:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 11:22	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 11:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 11:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 11:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 11:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 11:22	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 11:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 11:22	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 11:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 11:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 11:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 11:22	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-718227/6
Matrix: Water
Analysis Batch: 718227

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 11:22	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 11:22	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 11:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 11:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 11:22	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 11:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 11:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 11:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 11:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/23 11:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 11:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 11:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 11:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 11:22	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 11:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*06/13/23 11:22*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*06/13/23 11:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/13/23 11:22*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*06/13/23 11:22*	*1*

Lab Sample ID: LCS 500-718227/7
Matrix: Water
Analysis Batch: 718227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	42.8		ug/L		86	40 - 143
Benzene	50.0	43.3		ug/L		87	70 - 120
Bromobenzene	50.0	43.7		ug/L		87	70 - 122
Bromochloromethane	50.0	41.5		ug/L		83	65 - 122
Bromodichloromethane	50.0	39.3		ug/L		79	69 - 120
Bromoform	50.0	38.6		ug/L		77	56 - 132
Carbon disulfide	50.0	45.3		ug/L		91	66 - 120
Carbon tetrachloride	50.0	41.7		ug/L		83	59 - 133
Chlorobenzene	50.0	43.0		ug/L		86	70 - 120
Chloroethane	50.0	46.4		ug/L		93	48 - 136
Chloroform	50.0	44.4		ug/L		89	70 - 120
2-Chlorotoluene	50.0	42.5		ug/L		85	70 - 125
4-Chlorotoluene	50.0	42.1		ug/L		84	68 - 124
cis-1,2-Dichloroethene	50.0	42.9		ug/L		86	70 - 125
cis-1,3-Dichloropropene	50.0	40.5		ug/L		81	64 - 127
Dibromochloromethane	50.0	37.9		ug/L		76	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	35.2		ug/L		70	56 - 123
1,2-Dibromoethane (EDB)	50.0	40.6		ug/L		81	70 - 125
Dichlorodifluoromethane	50.0	43.9		ug/L		88	40 - 159
1,1-Dichloroethane	50.0	44.1		ug/L		88	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-718227/7
Matrix: Water
Analysis Batch: 718227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	39.9		ug/L		80	68 - 127
1,1-Dichloroethene	50.0	44.5		ug/L		89	67 - 122
1,2-Dichloropropane	50.0	44.9		ug/L		90	67 - 130
1,3-Dichloropropane	50.0	43.6		ug/L		87	62 - 136
2,2-Dichloropropane	50.0	42.9		ug/L		86	58 - 139
1,1-Dichloropropene	50.0	44.5		ug/L		89	70 - 121
Ethylbenzene	50.0	41.7		ug/L		83	70 - 123
Hexachlorobutadiene	50.0	45.3		ug/L		91	51 - 150
Isopropylbenzene	50.0	44.9		ug/L		90	70 - 126
1,3-Dichlorobenzene	50.0	42.3		ug/L		85	70 - 125
Bromomethane	50.0	41.5		ug/L		83	40 - 152
Chloromethane	50.0	43.1		ug/L		86	56 - 152
Dibromomethane	50.0	39.5		ug/L		79	70 - 120
Methylene Chloride	50.0	44.0		ug/L		88	69 - 125
2-Butanone (MEK)	50.0	44.7		ug/L		89	46 - 144
Methyl tert-butyl ether	50.0	46.7		ug/L		93	55 - 123
Naphthalene	50.0	39.2		ug/L		78	53 - 144
n-Butylbenzene	50.0	41.7		ug/L		83	68 - 125
N-Propylbenzene	50.0	42.7		ug/L		85	69 - 127
1,2-Dichlorobenzene	50.0	41.8		ug/L		84	70 - 125
1,4-Dichlorobenzene	50.0	41.5		ug/L		83	70 - 120
4-Isopropyltoluene	50.0	43.6		ug/L		87	70 - 125
sec-Butylbenzene	50.0	44.0		ug/L		88	70 - 123
Styrene	50.0	43.4		ug/L		87	70 - 120
tert-Butylbenzene	50.0	43.4		ug/L		87	70 - 121
1,1,1,2-Tetrachloroethane	50.0	40.4		ug/L		81	70 - 125
1,1,2,2-Tetrachloroethane	50.0	46.7		ug/L		93	62 - 140
Tetrachloroethene	50.0	45.3		ug/L		91	70 - 128
Tetrahydrofuran	100	91.9		ug/L		92	59 - 139
Toluene	50.0	43.7		ug/L		87	70 - 125
trans-1,2-Dichloroethene	50.0	43.8		ug/L		88	70 - 125
trans-1,3-Dichloropropene	50.0	38.5		ug/L		77	62 - 128
1,2,3-Trichlorobenzene	50.0	42.7		ug/L		85	51 - 145
1,2,4-Trichlorobenzene	50.0	44.5		ug/L		89	57 - 137
1,1,1-Trichloroethane	50.0	43.2		ug/L		86	70 - 125
1,1,2-Trichloroethane	50.0	43.5		ug/L		87	71 - 130
Trichloroethene	50.0	41.8		ug/L		84	70 - 125
Trichlorofluoromethane	50.0	41.1		ug/L		82	55 - 128
1,2,3-Trichloropropane	50.0	46.6		ug/L		93	50 - 133
1,2,4-Trimethylbenzene	50.0	43.5		ug/L		87	70 - 123
1,3,5-Trimethylbenzene	50.0	44.2		ug/L		88	70 - 123
Vinyl chloride	50.0	47.1		ug/L		94	64 - 126
Xylenes, Total	100	84.7		ug/L		85	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-718227/7
Matrix: Water
Analysis Batch: 718227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	96		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 933 Sadies Ln Raw
Lab Sample ID: 500-234941-1
Date Collected: 06/06/23 08:30
Matrix: Water
Date Received: 06/08/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718227	W1T	EET CHI	06/13/23 16:29

Client Sample ID: 757 Packer Dr Raw
Lab Sample ID: 500-234941-2
Date Collected: 06/06/23 08:45
Matrix: Water
Date Received: 06/08/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718227	W1T	EET CHI	06/13/23 16:54

Client Sample ID: 737 Packer Dr Raw
Lab Sample ID: 500-234941-3
Date Collected: 06/06/23 09:00
Matrix: Water
Date Received: 06/08/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718227	W1T	EET CHI	06/13/23 17:18

Client Sample ID: 963 Labarge Rd Raw
Lab Sample ID: 500-234941-4
Date Collected: 06/06/23 09:15
Matrix: Water
Date Received: 06/08/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718227	W1T	EET CHI	06/13/23 17:42

Client Sample ID: 963 Labarge Rd DW
Lab Sample ID: 500-234941-5
Date Collected: 06/06/23 09:20
Matrix: Water
Date Received: 06/08/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	718227	W1T	EET CHI	06/13/23 18:07

Laboratory References:
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-234941-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Chicago
2417 Bond Street

University Park, IL 60466
phone 708.534 5200 fax 708 534.5363

eurofins

Chain of Custody Record

Client Contact	Project Manager: Mitch Evenson	Site Contact	Date	COC No
Your Company Name here: Cedar Corporation	Tel/Fax:	Lab Contact	Carrier	1 of 1 COCs
Address: 604 Wilson Ave.	Analysis Turnaround Time			Job No: 500-234941
City/State/Zip: Menomonie, WI 54751	Calendar (C) or Work Days (W)			SDG No
(xxx) xxx-xxxx Phone: 715-235-9091	TAT if different from Below			
(xxx) xxx-xxxx FAX	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			
Project Name: Junker LF Residentials				
Site				
PO#				

500-234941 COC

	Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample: VOCs	Sample Specific Notes
1	933 Sadies Ln Raw	6/6/23	0830	G	W	3	X	
2	757 Packer Dr Raw		0845				X	
3	737 Packer Dr Raw		0900				X	
4	963 Labarge Rd Raw		0915				X	
5	963 Labarge Rd DW		0920				X	

Preservation Used 1= Ice, 2= HCl, 3= H_2SO_4, 4=HNO_3, 5=NaOH, 6= Other _____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments

21-720

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Cedar Corp	6/6/23 1705	[signature]	ECTA	6/8/23 0950
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-234941-1

Login Number: 234941
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

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JOB DESCRIPTION

Junker LF

JOB NUMBER

500-235499-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Job ID: 500-235499-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-235499-1

Receipt
The samples were received on 6/20/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

GC/MS VOA
Method 8260B: Surrogate Dibromofluoromethane recovery for the following samples was outside the upper control limit: 736 Packer Dr. Raw (500-235499-2), 672 Pine Timber Ln Raw (500-235499-3) and 875 Jane Cr. DW (500-235499-10). This sample did not contain any target analytes above the reporting limit; therefore, re-extraction and/or re-analysis was not performed.

Method 8260B: The laboratory control sample (LCS) for analytical batch 500-719655 recovered outside control limits for the following analyte: Chlorodibromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-719655 were outside control limits for one or more analytes.

Method 8260B: Low level Methylene chloride was detected in the following samples: 672 Pine Timber Ln Raw (500-235499-3) and 713 Packer Dr. Raw (500-235499-5) Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln Raw — Lab Sample ID: 500-235499-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.6		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 736 Packer Dr. Raw — Lab Sample ID: 500-235499-2

No Detections.

Client Sample ID: 672 Pine Timber Ln Raw — Lab Sample ID: 500-235499-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.9	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: 672 Pine Timber Ln DW — Lab Sample ID: 500-235499-4

No Detections.

Client Sample ID: 713 Packer Dr. Raw — Lab Sample ID: 500-235499-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.6	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: 943 Alexander Dr. Raw — Lab Sample ID: 500-235499-6

No Detections.

Client Sample ID: 1018 Tanning Ln. Raw — Lab Sample ID: 500-235499-7

No Detections.

Client Sample ID: 972 Fraser Ln. DW — Lab Sample ID: 500-235499-8

No Detections.

Client Sample ID: 875 Jane Cr.Raw — Lab Sample ID: 500-235499-9

No Detections.

Client Sample ID: 875 Jane Cr. DW — Lab Sample ID: 500-235499-10

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-235499-1	972 Fraser Ln Raw	Water	06/12/23 09:30	06/20/23 09:50
500-235499-2	736 Packer Dr. Raw	Water	06/12/23 09:15	06/20/23 09:50
500-235499-3	672 Pine Timber Ln Raw	Water	06/12/23 09:00	06/20/23 09:50
500-235499-4	672 Pine Timber Ln DW	Water	06/12/23 09:05	06/20/23 09:50
500-235499-5	713 Packer Dr. Raw	Water	06/12/23 10:00	06/20/23 09:50
500-235499-6	943 Alexander Dr. Raw	Water	06/12/23 10:15	06/20/23 09:50
500-235499-7	1018 Tanning Ln. Raw	Water	06/12/23 10:30	06/20/23 09:50
500-235499-8	972 Fraser Ln. DW	Water	06/12/23 09:35	06/20/23 09:50
500-235499-9	875 Jane Cr.Raw	Water	06/19/23 09:00	06/20/23 09:50
500-235499-10	875 Jane Cr. DW	Water	06/19/23 09:05	06/20/23 09:50

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln Raw

Date Collected: 06/12/23 09:30
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 11:08	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 11:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 11:08	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 11:08	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 11:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 11:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 11:08	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 11:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 11:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 11:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 11:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 11:08	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 11:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 11:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 11:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 11:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 11:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 11:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 11:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 11:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 11:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 11:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 11:08	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 11:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 11:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 11:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 11:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 11:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 11:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 11:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:08	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 11:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 11:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 11:08	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln Raw
Date Collected: 06/12/23 09:30
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 11:08	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 11:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 11:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 11:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 11:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 11:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 11:08	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			06/21/23 11:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 11:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 11:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 11:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*06/21/23 11:08*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*06/21/23 11:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*06/21/23 11:08*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/21/23 11:08*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 736 Packer Dr. Raw
Date Collected: 06/12/23 09:15
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 11:32	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 11:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 11:32	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 11:32	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 11:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 11:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 11:32	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 11:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 11:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 11:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 11:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 11:32	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 11:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 11:32	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 11:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 11:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 11:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 11:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 11:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 11:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 11:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 11:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 11:32	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 11:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 11:32	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 11:32	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 11:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 11:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 11:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 11:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:32	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 11:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 11:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 11:32	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 736 Packer Dr. Raw
Date Collected: 06/12/23 09:15
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 11:32	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 11:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 11:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 11:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 11:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 11:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 11:32	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 11:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 11:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 11:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 11:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/21/23 11:32*	*1*
Dibromofluoromethane (Surr)	*121*	*X*	*75 - 120*		*06/21/23 11:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*06/21/23 11:32*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/21/23 11:32*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 672 Pine Timber Ln Raw

Date Collected: 06/12/23 09:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 11:56	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 11:56	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:56	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 11:56	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 11:56	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 11:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 11:56	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 11:56	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 11:56	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 11:56	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 11:56	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 11:56	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 11:56	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 11:56	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 11:56	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 11:56	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 11:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 11:56	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 11:56	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 11:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 11:56	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 11:56	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 11:56	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:56	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 11:56	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 11:56	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 11:56	1
Methylene Chloride	**1.9**	**J**	5.0	1.6	ug/L			06/21/23 11:56	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 11:56	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 11:56	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 11:56	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 11:56	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:56	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:56	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 11:56	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 11:56	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 11:56	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 672 Pine Timber Ln Raw

Date Collected: 06/12/23 09:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 11:56	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 11:56	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 11:56	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 11:56	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 11:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 11:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 11:56	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 11:56	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:56	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 11:56	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 11:56	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 11:56	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*06/21/23 11:56*	*1*
Dibromofluoromethane (Surr)	*122*	*X*	*75 - 120*		*06/21/23 11:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*06/21/23 11:56*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/21/23 11:56*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 672 Pine Timber Ln DW

Date Collected: 06/12/23 09:05
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 12:21	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 12:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 12:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 12:21	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 12:21	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 12:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 12:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 12:21	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 12:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 12:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 12:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 12:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 12:21	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 12:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 12:21	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 12:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 12:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 12:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 12:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 12:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 12:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 12:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 12:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:21	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 12:21	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 12:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 12:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 12:21	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 12:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 12:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 12:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 12:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:21	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:21	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 12:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 12:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 12:21	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 672 Pine Timber Ln DW

Lab Sample ID: 500-235499-4

Date Collected: 06/12/23 09:05

Matrix: Water

Date Received: 06/20/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 12:21	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 12:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 12:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 12:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 12:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 12:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 12:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 12:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 12:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 12:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 12:21	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 12:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/21/23 12:21*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*06/21/23 12:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*06/21/23 12:21*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*06/21/23 12:21*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 713 Packer Dr. Raw
Date Collected: 06/12/23 10:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 12:46	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 12:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 12:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 12:46	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 12:46	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 12:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 12:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 12:46	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 12:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 12:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 12:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 12:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 12:46	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 12:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 12:46	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 12:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 12:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 12:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 12:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 12:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 12:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 12:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 12:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 12:46	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 12:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 12:46	1
Methylene Chloride	**1.6**	**J**	5.0	1.6	ug/L			06/21/23 12:46	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 12:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 12:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 12:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 12:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:46	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:46	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 12:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 12:46	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 12:46	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 713 Packer Dr. Raw
Date Collected: 06/12/23 10:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 12:46	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 12:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 12:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 12:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 12:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 12:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 12:46	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 12:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 12:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 12:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 12:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 12:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*06/21/23 12:46*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*06/21/23 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*06/21/23 12:46*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*06/21/23 12:46*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 943 Alexander Dr. Raw
Date Collected: 06/12/23 10:15
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 13:10	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 13:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 13:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 13:10	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 13:10	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 13:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 13:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 13:10	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 13:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 13:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 13:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 13:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 13:10	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 13:10	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 13:10	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 13:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 13:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 13:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 13:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 13:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 13:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 13:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 13:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:10	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 13:10	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 13:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 13:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 13:10	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 13:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 13:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 13:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 13:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:10	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:10	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 13:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 13:10	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 13:10	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 943 Alexander Dr. Raw
Date Collected: 06/12/23 10:15
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 13:10	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 13:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 13:10	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 13:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 13:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 13:10	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 13:10	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 13:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 13:10	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 13:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 13:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 13:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*06/21/23 13:10*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*06/21/23 13:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*06/21/23 13:10*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*06/21/23 13:10*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 1018 Tanning Ln. Raw

Date Collected: 06/12/23 10:30
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 13:34	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 13:34	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:34	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 13:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 13:34	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 13:34	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 13:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 13:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:34	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 13:34	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 13:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 13:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 13:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 13:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 13:34	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 13:34	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 13:34	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 13:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 13:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 13:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 13:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 13:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 13:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 13:34	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 13:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 13:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 13:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 13:34	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 13:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:34	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 13:34	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 13:34	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 13:34	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 13:34	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 13:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 13:34	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 13:34	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 13:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 13:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:34	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 13:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:34	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 13:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:34	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 13:34	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 13:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 13:34	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 1018 Tanning Ln. Raw

Date Collected: 06/12/23 10:30
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 13:34	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 13:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 13:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 13:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 13:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 13:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 13:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 13:34	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 13:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 13:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 13:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 13:34	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 13:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*06/21/23 13:34*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*06/21/23 13:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*06/21/23 13:34*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*06/21/23 13:34*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln. DW
Date Collected: 06/12/23 09:35
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-8
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 13:59	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 13:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 13:59	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 13:59	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 13:59	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 13:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 13:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 13:59	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 13:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 13:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 13:59	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 13:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 13:59	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 13:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 13:59	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 13:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 13:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 13:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 13:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 13:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 13:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 13:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 13:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:59	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 13:59	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 13:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 13:59	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 13:59	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 13:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 13:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 13:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 13:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:59	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:59	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 13:59	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 13:59	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 13:59	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln. DW

Date Collected: 06/12/23 09:35
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 13:59	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 13:59	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 13:59	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 13:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 13:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 13:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 13:59	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 13:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 13:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 13:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 13:59	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 13:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*06/21/23 13:59*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/21/23 13:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*06/21/23 13:59*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*06/21/23 13:59*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 875 Jane Cr.Raw

Date Collected: 06/19/23 09:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 14:24	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 14:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 14:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 14:24	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 14:24	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 14:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 14:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 14:24	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 14:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 14:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 14:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 14:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 14:24	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 14:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 14:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 14:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 14:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 14:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 14:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 14:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 14:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 14:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 14:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:24	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 14:24	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 14:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 14:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 14:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 14:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 14:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 14:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 14:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:24	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 14:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 14:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 14:24	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 875 Jane Cr.Raw

Date Collected: 06/19/23 09:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 14:24	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 14:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 14:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 14:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 14:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 14:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 14:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 14:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 14:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 14:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 14:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 14:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*06/21/23 14:24*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 120*		*06/21/23 14:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*06/21/23 14:24*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/21/23 14:24*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 875 Jane Cr. DW

Date Collected: 06/19/23 09:05
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 14:48	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 14:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 14:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 14:48	1
Bromoform	<0.48	F1	1.0	0.48	ug/L			06/21/23 14:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 14:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 14:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 14:48	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 14:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 14:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 14:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 14:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 14:48	1
Dibromochloromethane	<0.49	* F1	1.0	0.49	ug/L			06/21/23 14:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 14:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 14:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 14:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 14:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 14:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 14:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 14:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 14:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 14:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 14:48	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 14:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 14:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 14:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 14:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 14:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 14:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 14:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:48	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:48	1
1,1,1,2-Tetrachloroethane	<0.46	F1	1.0	0.46	ug/L			06/21/23 14:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 14:48	1
Tetrachloroethene	<0.37	F1	1.0	0.37	ug/L			06/21/23 14:48	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 875 Jane Cr. DW

Date Collected: 06/19/23 09:05
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 14:48	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 14:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 14:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 14:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 14:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 14:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 14:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 14:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 14:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 14:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 14:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 14:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*06/21/23 14:48*	*1*
Dibromofluoromethane (Surr)	*123*	*X*	*75 - 120*		*06/21/23 14:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*06/21/23 14:48*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/21/23 14:48*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

GC/MS VOA

Analysis Batch: 719655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-235499-1	972 Fraser Ln Raw	Total/NA	Water	8260B	
500-235499-2	736 Packer Dr. Raw	Total/NA	Water	8260B	
500-235499-3	672 Pine Timber Ln Raw	Total/NA	Water	8260B	
500-235499-4	672 Pine Timber Ln DW	Total/NA	Water	8260B	
500-235499-5	713 Packer Dr. Raw	Total/NA	Water	8260B	
500-235499-6	943 Alexander Dr. Raw	Total/NA	Water	8260B	
500-235499-7	1018 Tanning Ln. Raw	Total/NA	Water	8260B	
500-235499-8	972 Fraser Ln. DW	Total/NA	Water	8260B	
500-235499-9	875 Jane Cr.Raw	Total/NA	Water	8260B	
500-235499-10	875 Jane Cr. DW	Total/NA	Water	8260B	
MB 500-719655/6	Method Blank	Total/NA	Water	8260B	
LCS 500-719655/4	Lab Control Sample	Total/NA	Water	8260B	
500-235499-10 MS	875 Jane Cr. DW	Total/NA	Water	8260B	
500-235499-10 MSD	875 Jane Cr. DW	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-235499-1	972 Fraser Ln Raw	106	114	112	94
500-235499-2	736 Packer Dr. Raw	101	121 X	112	95
500-235499-3	672 Pine Timber Ln Raw	102	122 X	113	94
500-235499-4	672 Pine Timber Ln DW	101	105	107	102
500-235499-5	713 Packer Dr. Raw	107	114	112	98
500-235499-6	943 Alexander Dr. Raw	108	108	111	99
500-235499-7	1018 Tanning Ln. Raw	113	108	111	103
500-235499-8	972 Fraser Ln. DW	108	104	107	104
500-235499-9	875 Jane Cr.Raw	108	118	115	93
500-235499-10	875 Jane Cr. DW	102	123 X	118	94
500-235499-10 MS	875 Jane Cr. DW	87	97	91	102
500-235499-10 MSD	875 Jane Cr. DW	92	93	91	103
LCS 500-719655/4	Lab Control Sample	86	102	92	100
MB 500-719655/6	Method Blank	106	110	110	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-719655/6
Matrix: Water
Analysis Batch: 719655

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 10:19	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 10:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 10:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 10:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 10:19	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 10:19	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 10:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 10:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 10:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 10:19	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 10:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 10:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 10:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 10:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 10:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/21/23 10:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 10:19	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 10:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 10:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 10:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 10:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 10:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 10:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 10:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 10:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 10:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 10:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 10:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 10:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 10:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 10:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 10:19	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 10:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 10:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 10:19	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 10:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 10:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 10:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 10:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 10:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 10:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 10:19	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 10:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 10:19	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 10:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 10:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 10:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 10:19	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-719655/6
Matrix: Water
Analysis Batch: 719655

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 10:19	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 10:19	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 10:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 10:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 10:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 10:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 10:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 10:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 10:19	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 10:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 10:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 10:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 10:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 10:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 10:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 10:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*06/21/23 10:19*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 120*		*06/21/23 10:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*06/21/23 10:19*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/21/23 10:19*	*1*

Lab Sample ID: LCS 500-719655/4
Matrix: Water
Analysis Batch: 719655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	48.2		ug/L		96	40 - 143
Benzene	50.0	46.1		ug/L		92	70 - 120
Bromobenzene	50.0	44.7		ug/L		89	70 - 122
Bromochloromethane	50.0	50.6		ug/L		101	65 - 122
Bromodichloromethane	50.0	48.5		ug/L		97	69 - 120
Bromoform	50.0	60.8		ug/L		122	56 - 132
Carbon disulfide	50.0	47.5		ug/L		95	66 - 120
Carbon tetrachloride	50.0	61.3		ug/L		123	59 - 133
Chlorobenzene	50.0	47.6		ug/L		95	70 - 120
Chloroethane	50.0	33.0		ug/L		66	48 - 136
Chloroform	50.0	44.7		ug/L		89	70 - 120
2-Chlorotoluene	50.0	39.9		ug/L		80	70 - 125
4-Chlorotoluene	50.0	41.0		ug/L		82	68 - 124
cis-1,2-Dichloroethene	50.0	44.7		ug/L		89	70 - 125
cis-1,3-Dichloropropene	50.0	47.4		ug/L		95	64 - 127
Dibromochloromethane	50.0	63.5	*	ug/L		127	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	38.7		ug/L		77	56 - 123
1,2-Dibromoethane (EDB)	50.0	52.7		ug/L		105	70 - 125
Dichlorodifluoromethane	50.0	57.5		ug/L		115	40 - 159
1,1-Dichloroethane	50.0	44.7		ug/L		89	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-719655/4
Matrix: Water
Analysis Batch: 719655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	47.2		ug/L		94	68 - 127
1,1-Dichloroethene	50.0	46.4		ug/L		93	67 - 122
1,2-Dichloropropane	50.0	53.6		ug/L		107	67 - 130
1,3-Dichloropropane	50.0	47.5		ug/L		95	62 - 136
2,2-Dichloropropane	50.0	40.9		ug/L		82	58 - 139
1,1-Dichloropropene	50.0	41.0		ug/L		82	70 - 121
Ethylbenzene	50.0	40.4		ug/L		81	70 - 123
Hexachlorobutadiene	50.0	56.9		ug/L		114	51 - 150
Isopropylbenzene	50.0	37.0		ug/L		74	70 - 126
1,3-Dichlorobenzene	50.0	47.9		ug/L		96	70 - 125
Bromomethane	50.0	32.4		ug/L		65	40 - 152
Chloromethane	50.0	59.0		ug/L		118	56 - 152
Dibromomethane	50.0	53.2		ug/L		106	70 - 120
Methylene Chloride	50.0	46.6		ug/L		93	69 - 125
2-Butanone (MEK)	50.0	54.7		ug/L		109	46 - 144
Methyl tert-butyl ether	50.0	36.1		ug/L		72	55 - 123
Naphthalene	50.0	31.4		ug/L		63	53 - 144
n-Butylbenzene	50.0	35.3		ug/L		71	68 - 125
N-Propylbenzene	50.0	39.3		ug/L		79	69 - 127
1,2-Dichlorobenzene	50.0	45.8		ug/L		92	70 - 125
1,4-Dichlorobenzene	50.0	47.6		ug/L		95	70 - 120
4-Isopropyltoluene	50.0	42.8		ug/L		86	70 - 125
sec-Butylbenzene	50.0	39.9		ug/L		80	70 - 123
Styrene	50.0	44.4		ug/L		89	70 - 120
tert-Butylbenzene	50.0	39.7		ug/L		79	70 - 121
1,1,1,2-Tetrachloroethane	50.0	58.1		ug/L		116	70 - 125
1,1,2,2-Tetrachloroethane	50.0	43.2		ug/L		86	62 - 140
Tetrachloroethene	50.0	58.2		ug/L		116	70 - 128
Tetrahydrofuran	100	95.8		ug/L		96	59 - 139
Toluene	50.0	47.1		ug/L		94	70 - 125
trans-1,2-Dichloroethene	50.0	49.3		ug/L		99	70 - 125
trans-1,3-Dichloropropene	50.0	45.7		ug/L		91	62 - 128
1,2,3-Trichlorobenzene	50.0	48.1		ug/L		96	51 - 145
1,2,4-Trichlorobenzene	50.0	38.8		ug/L		78	57 - 137
1,1,1-Trichloroethane	50.0	51.4		ug/L		103	70 - 125
1,1,2-Trichloroethane	50.0	55.8		ug/L		112	71 - 130
Trichloroethene	50.0	51.2		ug/L		102	70 - 125
Trichlorofluoromethane	50.0	53.1		ug/L		106	55 - 128
1,2,3-Trichloropropane	50.0	47.0		ug/L		94	50 - 133
1,2,4-Trimethylbenzene	50.0	41.6		ug/L		83	70 - 123
1,3,5-Trimethylbenzene	50.0	40.7		ug/L		81	70 - 123
Vinyl chloride	50.0	43.7		ug/L		87	64 - 126
Xylenes, Total	100	85.4		ug/L		85	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-719655/4
Matrix: Water
Analysis Batch: 719655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		75 - 120

Lab Sample ID: 500-235499-10 MS
Matrix: Water
Analysis Batch: 719655

Client Sample ID: 875 Jane Cr. DW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	<1.7		50.0	36.4		ug/L		73	40 - 143
Benzene	<0.15		50.0	50.3		ug/L		101	70 - 120
Bromobenzene	<0.36		50.0	51.1		ug/L		102	70 - 122
Bromochloromethane	<0.43		50.0	54.5		ug/L		109	65 - 122
Bromodichloromethane	<0.37		50.0	53.1		ug/L		106	69 - 120
Bromoform	<0.48	F1	50.0	66.8	F1	ug/L		134	56 - 132
Carbon disulfide	<0.45		50.0	46.4		ug/L		93	66 - 120
Carbon tetrachloride	<0.38		50.0	63.1		ug/L		126	59 - 133
Chlorobenzene	<0.39		50.0	53.0		ug/L		106	70 - 120
Chloroethane	<0.51		50.0	32.1		ug/L		64	48 - 136
Chloroform	<0.37		50.0	47.8		ug/L		96	70 - 120
2-Chlorotoluene	<0.31		50.0	44.6		ug/L		89	70 - 125
4-Chlorotoluene	<0.35		50.0	46.8		ug/L		94	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	45.7		ug/L		91	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	48.8		ug/L		98	64 - 127
Dibromochloromethane	<0.49	* F1	50.0	72.9	F1	ug/L		146	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	50.0		ug/L		100	56 - 123
1,2-Dibromoethane (EDB)	<0.39		50.0	60.1		ug/L		120	70 - 125
Dichlorodifluoromethane	<0.67		50.0	52.2		ug/L		104	40 - 159
1,1-Dichloroethane	<0.41		50.0	47.0		ug/L		94	70 - 125
1,2-Dichloroethane	<0.39		50.0	51.9		ug/L		104	68 - 127
1,1-Dichloroethene	<0.39		50.0	46.5		ug/L		93	67 - 122
1,2-Dichloropropane	<0.43		50.0	56.6		ug/L		113	67 - 130
1,3-Dichloropropane	<0.36		50.0	54.9		ug/L		110	62 - 136
2,2-Dichloropropane	<0.44		50.0	40.3		ug/L		81	58 - 139
1,1-Dichloropropene	<0.30		50.0	45.2		ug/L		90	70 - 121
Ethylbenzene	<0.18		50.0	45.4		ug/L		91	70 - 123
Hexachlorobutadiene	<0.45		50.0	67.9		ug/L		136	51 - 150
Isopropylbenzene	<0.39		50.0	41.3		ug/L		83	70 - 126
1,3-Dichlorobenzene	<0.40		50.0	53.9		ug/L		108	70 - 125
Bromomethane	<0.80		50.0	33.9		ug/L		68	40 - 152
Chloromethane	<0.32		50.0	55.7		ug/L		111	56 - 152
Dibromomethane	<0.27		50.0	56.9		ug/L		114	70 - 120
Methylene Chloride	<1.6		50.0	45.5		ug/L		91	69 - 125
2-Butanone (MEK)	<2.1		50.0	46.4		ug/L		93	46 - 144
Methyl tert-butyl ether	<0.39		50.0	36.8		ug/L		74	55 - 123
Naphthalene	<0.34		50.0	42.3		ug/L		85	53 - 144
n-Butylbenzene	<0.39		50.0	38.9		ug/L		78	68 - 125
N-Propylbenzene	<0.41		50.0	43.4		ug/L		87	69 - 127
1,2-Dichlorobenzene	<0.33		50.0	51.5		ug/L		103	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	53.0		ug/L		106	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-235499-10 MS
Matrix: Water
Analysis Batch: 719655

Client Sample ID: 875 Jane Cr. DW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Isopropyltoluene	<0.36		50.0	47.8		ug/L		96	70 - 125
sec-Butylbenzene	<0.40		50.0	45.8		ug/L		92	70 - 123
Styrene	<0.39		50.0	48.8		ug/L		98	70 - 120
tert-Butylbenzene	<0.40		50.0	45.9		ug/L		92	70 - 121
1,1,1,2-Tetrachloroethane	<0.46	F1	50.0	68.5	F1	ug/L		137	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	51.8		ug/L		104	62 - 140
Tetrachloroethene	<0.37	F1	50.0	66.1	F1	ug/L		132	70 - 128
Tetrahydrofuran	<1.9		100	97.0		ug/L		97	59 - 139
Toluene	<0.15		50.0	54.1		ug/L		108	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	48.1		ug/L		96	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	52.0		ug/L		104	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	60.6		ug/L		121	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	46.5		ug/L		93	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	51.8		ug/L		104	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	63.5		ug/L		127	71 - 130
Trichloroethene	<0.16		50.0	56.6		ug/L		113	70 - 125
Trichlorofluoromethane	<0.43		50.0	50.8		ug/L		102	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	51.3		ug/L		103	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	47.6		ug/L		95	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	47.5		ug/L		95	70 - 123
Vinyl chloride	<0.20		50.0	42.7		ug/L		85	64 - 126
Xylenes, Total	<0.22		100	93.4		ug/L		93	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: 500-235499-10 MSD
Matrix: Water
Analysis Batch: 719655

Client Sample ID: 875 Jane Cr. DW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	<1.7		50.0	41.3		ug/L		83	40 - 143	13	20
Benzene	<0.15		50.0	49.6		ug/L		99	70 - 120	1	20
Bromobenzene	<0.36		50.0	52.1		ug/L		104	70 - 122	2	20
Bromochloromethane	<0.43		50.0	55.7		ug/L		111	65 - 122	2	20
Bromodichloromethane	<0.37		50.0	53.2		ug/L		106	69 - 120	0	20
Bromoform	<0.48	F1	50.0	64.7		ug/L		129	56 - 132	3	20
Carbon disulfide	<0.45		50.0	46.6		ug/L		93	66 - 120	0	20
Carbon tetrachloride	<0.38		50.0	62.3		ug/L		125	59 - 133	1	20
Chlorobenzene	<0.39		50.0	51.3		ug/L		103	70 - 120	3	20
Chloroethane	<0.51		50.0	31.3		ug/L		63	48 - 136	3	20
Chloroform	<0.37		50.0	45.9		ug/L		92	70 - 120	4	20
2-Chlorotoluene	<0.31		50.0	45.7		ug/L		91	70 - 125	2	20
4-Chlorotoluene	<0.35		50.0	47.1		ug/L		94	68 - 124	1	20
cis-1,2-Dichloroethene	<0.41		50.0	43.8		ug/L		88	70 - 125	4	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-235499-10 MSD
Matrix: Water
Analysis Batch: 719655

Client Sample ID: 875 Jane Cr. DW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	<0.42		50.0	49.1		ug/L		98	64 - 127	1	20
Dibromochloromethane	<0.49	* F1	50.0	69.4	F1	ug/L		139	68 - 125	5	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	51.4		ug/L		103	56 - 123	3	20
1,2-Dibromoethane (EDB)	<0.39		50.0	58.5		ug/L		117	70 - 125	3	20
Dichlorodifluoromethane	<0.67		50.0	55.1		ug/L		110	40 - 159	5	20
1,1-Dichloroethane	<0.41		50.0	46.7		ug/L		93	70 - 125	1	20
1,2-Dichloroethane	<0.39		50.0	51.1		ug/L		102	68 - 127	1	20
1,1-Dichloroethene	<0.39		50.0	47.8		ug/L		96	67 - 122	3	20
1,2-Dichloropropane	<0.43		50.0	58.3		ug/L		117	67 - 130	3	20
1,3-Dichloropropane	<0.36		50.0	53.1		ug/L		106	62 - 136	3	20
2,2-Dichloropropane	<0.44		50.0	39.6		ug/L		79	58 - 139	2	20
1,1-Dichloropropene	<0.30		50.0	46.4		ug/L		93	70 - 121	3	20
Ethylbenzene	<0.18		50.0	44.6		ug/L		89	70 - 123	2	20
Hexachlorobutadiene	<0.45		50.0	65.2		ug/L		130	51 - 150	4	20
Isopropylbenzene	<0.39		50.0	43.8		ug/L		88	70 - 126	6	20
1,3-Dichlorobenzene	<0.40		50.0	53.6		ug/L		107	70 - 125	0	20
Bromomethane	<0.80		50.0	31.2		ug/L		62	40 - 152	8	20
Chloromethane	<0.32		50.0	55.8		ug/L		112	56 - 152	0	20
Dibromomethane	<0.27		50.0	58.0		ug/L		116	70 - 120	2	20
Methylene Chloride	<1.6		50.0	46.0		ug/L		92	69 - 125	1	20
2-Butanone (MEK)	<2.1		50.0	50.3		ug/L		101	46 - 144	8	20
Methyl tert-butyl ether	<0.39		50.0	37.9		ug/L		76	55 - 123	3	20
Naphthalene	<0.34		50.0	40.8		ug/L		82	53 - 144	4	20
n-Butylbenzene	<0.39		50.0	40.1		ug/L		80	68 - 125	3	20
N-Propylbenzene	<0.41		50.0	46.2		ug/L		92	69 - 127	6	20
1,2-Dichlorobenzene	<0.33		50.0	52.1		ug/L		104	70 - 125	1	20
1,4-Dichlorobenzene	<0.36		50.0	52.2		ug/L		104	70 - 120	2	20
4-Isopropyltoluene	<0.36		50.0	48.8		ug/L		98	70 - 125	2	20
sec-Butylbenzene	<0.40		50.0	46.3		ug/L		93	70 - 123	1	20
Styrene	<0.39		50.0	48.0		ug/L		96	70 - 120	2	20
tert-Butylbenzene	<0.40		50.0	45.3		ug/L		91	70 - 121	1	20
1,1,1,2-Tetrachloroethane	<0.46	F1	50.0	60.4		ug/L		121	70 - 125	13	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	53.3		ug/L		107	62 - 140	3	20
Tetrachloroethene	<0.37	F1	50.0	63.5		ug/L		127	70 - 128	4	20
Tetrahydrofuran	<1.9		100	108		ug/L		108	59 - 139	10	20
Toluene	<0.15		50.0	52.7		ug/L		105	70 - 125	3	20
trans-1,2-Dichloroethene	<0.35		50.0	49.1		ug/L		98	70 - 125	2	20
trans-1,3-Dichloropropene	<0.36		50.0	49.4		ug/L		99	62 - 128	5	20
1,2,3-Trichlorobenzene	<0.46		50.0	57.5		ug/L		115	51 - 145	5	20
1,2,4-Trichlorobenzene	<0.34		50.0	43.6		ug/L		87	57 - 137	6	20
1,1,1-Trichloroethane	<0.38		50.0	52.8		ug/L		106	70 - 125	2	20
1,1,2-Trichloroethane	<0.35		50.0	63.8		ug/L		128	71 - 130	0	20
Trichloroethene	<0.16		50.0	56.6		ug/L		113	70 - 125	0	20
Trichlorofluoromethane	<0.43		50.0	50.4		ug/L		101	55 - 128	1	20
1,2,3-Trichloropropane	<0.41		50.0	55.7		ug/L		111	50 - 133	8	20
1,2,4-Trimethylbenzene	<0.36		50.0	46.9		ug/L		94	70 - 123	2	20
1,3,5-Trimethylbenzene	<0.25		50.0	47.4		ug/L		95	70 - 123	0	20
Vinyl chloride	<0.20		50.0	41.3		ug/L		83	64 - 126	3	20
Xylenes, Total	<0.22		100	93.0		ug/L		93	70 - 125	0	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		72 - 124
Dibromofluoromethane (Surr)	93		75 - 120
1,2-Dichloroethane-d4 (Surr)	91		75 - 126
Toluene-d8 (Surr)	103		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln Raw
Lab Sample ID: 500-235499-1
Date Collected: 06/12/23 09:30
Matrix: Water
Date Received: 06/20/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	719655	W1T	EET CHI	06/21/23 11:08

Client Sample ID: 736 Packer Dr. Raw
Lab Sample ID: 500-235499-2
Date Collected: 06/12/23 09:15
Matrix: Water
Date Received: 06/20/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	719655	W1T	EET CHI	06/21/23 11:32

Client Sample ID: 672 Pine Timber Ln Raw
Lab Sample ID: 500-235499-3
Date Collected: 06/12/23 09:00
Matrix: Water
Date Received: 06/20/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	719655	W1T	EET CHI	06/21/23 11:56

Client Sample ID: 672 Pine Timber Ln DW
Lab Sample ID: 500-235499-4
Date Collected: 06/12/23 09:05
Matrix: Water
Date Received: 06/20/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	719655	W1T	EET CHI	06/21/23 12:21

Client Sample ID: 713 Packer Dr. Raw
Lab Sample ID: 500-235499-5
Date Collected: 06/12/23 10:00
Matrix: Water
Date Received: 06/20/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	719655	W1T	EET CHI	06/21/23 12:46

Client Sample ID: 943 Alexander Dr. Raw
Lab Sample ID: 500-235499-6
Date Collected: 06/12/23 10:15
Matrix: Water
Date Received: 06/20/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	719655	W1T	EET CHI	06/21/23 13:10

Client Sample ID: 1018 Tanning Ln. Raw
Lab Sample ID: 500-235499-7
Date Collected: 06/12/23 10:30
Matrix: Water
Date Received: 06/20/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	719655	W1T	EET CHI	06/21/23 13:34

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln. DW
Lab Sample ID: 500-235499-8
Date Collected: 06/12/23 09:35
Matrix: Water
Date Received: 06/20/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	719655	W1T	EET CHI	06/21/23 13:59

Client Sample ID: 875 Jane Cr.Raw
Lab Sample ID: 500-235499-9
Date Collected: 06/19/23 09:00
Matrix: Water
Date Received: 06/20/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	719655	W1T	EET CHI	06/21/23 14:24

Client Sample ID: 875 Jane Cr. DW
Lab Sample ID: 500-235499-10
Date Collected: 06/19/23 09:05
Matrix: Water
Date Received: 06/20/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	719655	W1T	EET CHI	06/21/23 14:48

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
241 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: OR	Lab PM: Fredrick Sandie	COC No: 500-113591-40660.2 1 of 1
Client Contact: Mitch Evenson	Phone: 715-239-9081	E-Mail: Sandra.Fredrick@et.eurofinsus.com	Page: Page 2 of 3 ~~of 2~~
Company: Cedar Corporation	PWSID:	Analysis Re	Job #: 500-235499
Address: 604 Wilson Avenue	Due Date Requested:	500-235499 COC	Preservation Codes: A HCL; B NaOH; C Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H Ascorbic Acid; I Ice; J DI Water; K EDTA; L EDA; M Hexane; N None; O AsNaO2; P Na2O4S; Q Na2SO3; R Na2S2O3; S H2SO4; T TSP Dodecahydrate; U Acetone; V MCAA; W pH 4-5; Y Trizma; Z other (specify); Other:
City: Menomonie	TAT Requested (days):		
State, Zip: WI 54751	Compliance Project: ∆ Yes ∆ No		
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required		
Email: mitch.evenson@cedarcorp.com	WO #:		
Project Name: Juniper	Project #: 50006556		
Site:	SSOW#:		

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs	Total Number of containers	Special Instructions/Note
				Preservation Code:						
1	972 Fraser Ln Raw	6/12/23	0930	G	~~Solid~~			X		
2	736 Packer Dr. Raw	6/12/23	0915		Solid					
3	672 Pine Timber Ln Raw	6/12/23	0900		Solid					
4	672 Pine Timber Ln. DW	6/12/23	0905		Solid					
5	713 Packer Dr. Raw	6/12/23	1000		Solid					
6	943 Alexander Dr. Raw	6/12/23	1015		Solid					
7	1018 Tanney Ln. Raw	6/12/23	1030		Solid					
8	972 Fraser Ln. DW	6/12/23	0935		Solid					
9	875 Jane Cr. Raw	6/19/23	0900		Solid					
10	875 Jane Cr. DW	6/19/23	0905		Solid					
					Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time: 6/19/23 1000	Company: Cedar	Received by: Stephanie Hernandez	Date/Time: 6/20/23 0950	Company: EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: ∆ Yes No	Custody Seal No:	Cooler Temperature(s) °C and Other Remarks: 3.6+2.5

500-235499 Waybi

ORIGIN ID:RRLA (715) 235-9081
MITCH EVENSON

815 7TH STREET EAST

MENOMONIE, WI 54751
UNITED STATES US

SHIP DATE: 09JUN23
ACTWGT. 25.00 LB MAN
CAD: 0269688/CAFE3707

TO **SAMPLE RECIEPT**
EUROFINS CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484
(708) 534-6200 REF
INV:
PO: DEPT
RMA:

FedEx Express

TRK# 0221 6483 4233 6862

RETURNS MON-SAT
PRIORITY OVERNIGHT
TUE - 20 JUN AA
PRIORITY OVERNIGHT

FedEx
TRK# 0221 6483 4233 6862

NX JOTA

60484
IL-US
ORD

54 19Jun2023 EAUA 581G2/29AB/C0B8

36qt

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-235499-1

Login Number: 235499
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 7/3/2023 12:25:02 PM

JOB DESCRIPTION

Junker LF - 01972

JOB NUMBER

500-235810-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Job ID: 500-235810-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-235810-1

Receipt
The samples were received on 06/27/23 10:00. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.7º C.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) for analytical batch 500-720993 recovered outside control limits for the following analyte: Chlorodibromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Client Sample ID: 884 Young Rd Raw — Lab Sample ID: 500-235810-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	5.2		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: 884 Young Rd DW — Lab Sample ID: 500-235810-2

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-235810-1	884 Young Rd Raw	Water	06/26/23 10:45	06/27/23 10:00
500-235810-2	884 Young Rd DW	Water	06/26/23 10:50	06/27/23 10:00

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Client Sample ID: 884 Young Rd Raw
Date Collected: 06/26/23 10:45
Date Received: 06/27/23 10:00

Lab Sample ID: 500-235810-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/29/23 18:02	1
Benzene	<0.15		0.50	0.15	ug/L			06/29/23 18:02	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/29/23 18:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/29/23 18:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/29/23 18:02	1
Bromoform	<0.48		1.0	0.48	ug/L			06/29/23 18:02	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/29/23 18:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/29/23 18:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/29/23 18:02	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/29/23 18:02	1
Chloroform	<0.37		2.0	0.37	ug/L			06/29/23 18:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/29/23 18:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/29/23 18:02	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/29/23 18:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/29/23 18:02	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/29/23 18:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/29/23 18:02	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/29/23 18:02	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/29/23 18:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/29/23 18:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/29/23 18:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/29/23 18:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/29/23 18:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/29/23 18:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/29/23 18:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/29/23 18:02	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/29/23 18:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/29/23 18:02	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/29/23 18:02	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/29/23 18:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/29/23 18:02	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/29/23 18:02	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/29/23 18:02	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/29/23 18:02	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/29/23 18:02	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/29/23 18:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/29/23 18:02	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/29/23 18:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/29/23 18:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/29/23 18:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/29/23 18:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/29/23 18:02	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/29/23 18:02	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/29/23 18:02	1
Styrene	<0.39		1.0	0.39	ug/L			06/29/23 18:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/29/23 18:02	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/29/23 18:02	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/29/23 18:02	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/29/23 18:02	1

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Client Sample ID: 884 Young Rd Raw
Date Collected: 06/26/23 10:45
Date Received: 06/27/23 10:00

Lab Sample ID: 500-235810-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/29/23 18:02	1
Toluene	<0.15		0.50	0.15	ug/L			06/29/23 18:02	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/29/23 18:02	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/29/23 18:02	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/29/23 18:02	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/29/23 18:02	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/29/23 18:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/29/23 18:02	1
Trichloroethene	**5.2**		0.50	0.16	ug/L			06/29/23 18:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/29/23 18:02	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/29/23 18:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/29/23 18:02	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/29/23 18:02	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/29/23 18:02	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/29/23 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*06/29/23 18:02*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 120*		*06/29/23 18:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 126*		*06/29/23 18:02*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*06/29/23 18:02*	*1*

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Client Sample ID: 884 Young Rd DW

Date Collected: 06/26/23 10:50
Date Received: 06/27/23 10:00

Lab Sample ID: 500-235810-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/29/23 18:27	1
Benzene	<0.15		0.50	0.15	ug/L			06/29/23 18:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/29/23 18:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/29/23 18:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/29/23 18:27	1
Bromoform	<0.48		1.0	0.48	ug/L			06/29/23 18:27	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/29/23 18:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/29/23 18:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/29/23 18:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/29/23 18:27	1
Chloroform	<0.37		2.0	0.37	ug/L			06/29/23 18:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/29/23 18:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/29/23 18:27	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/29/23 18:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/29/23 18:27	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/29/23 18:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/29/23 18:27	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/29/23 18:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/29/23 18:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/29/23 18:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/29/23 18:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/29/23 18:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/29/23 18:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/29/23 18:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/29/23 18:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/29/23 18:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/29/23 18:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/29/23 18:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/29/23 18:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/29/23 18:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/29/23 18:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/29/23 18:27	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/29/23 18:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/29/23 18:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/29/23 18:27	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/29/23 18:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/29/23 18:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/29/23 18:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/29/23 18:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/29/23 18:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/29/23 18:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/29/23 18:27	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/29/23 18:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/29/23 18:27	1
Styrene	<0.39		1.0	0.39	ug/L			06/29/23 18:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/29/23 18:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/29/23 18:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/29/23 18:27	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/29/23 18:27	1

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Client Sample ID: 884 Young Rd DW
Date Collected: 06/26/23 10:50
Date Received: 06/27/23 10:00

Lab Sample ID: 500-235810-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/29/23 18:27	1
Toluene	<0.15		0.50	0.15	ug/L			06/29/23 18:27	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/29/23 18:27	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/29/23 18:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/29/23 18:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/29/23 18:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/29/23 18:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/29/23 18:27	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/29/23 18:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/29/23 18:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/29/23 18:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/29/23 18:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/29/23 18:27	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/29/23 18:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/29/23 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*06/29/23 18:27*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 120*		*06/29/23 18:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 126*		*06/29/23 18:27*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/29/23 18:27*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

GC/MS VOA

Analysis Batch: 720993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-235810-1	884 Young Rd Raw	Total/NA	Water	8260B	
500-235810-2	884 Young Rd DW	Total/NA	Water	8260B	
MB 500-720993/6	Method Blank	Total/NA	Water	8260B	
LCS 500-720993/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-235810-1	884 Young Rd Raw	110	109	116	100
500-235810-2	884 Young Rd DW	112	112	119	94
LCS 500-720993/4	Lab Control Sample	87	92	91	100
MB 500-720993/6	Method Blank	120	112	108	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-720993/6
Matrix: Water
Analysis Batch: 720993

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/29/23 09:52	1
Benzene	<0.15		0.50	0.15	ug/L			06/29/23 09:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/29/23 09:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/29/23 09:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/29/23 09:52	1
Bromoform	<0.48		1.0	0.48	ug/L			06/29/23 09:52	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/29/23 09:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/29/23 09:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/29/23 09:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/29/23 09:52	1
Chloroform	<0.37		2.0	0.37	ug/L			06/29/23 09:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/29/23 09:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/29/23 09:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/29/23 09:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/29/23 09:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/29/23 09:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/29/23 09:52	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/29/23 09:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/29/23 09:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/29/23 09:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/29/23 09:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/29/23 09:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/29/23 09:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/29/23 09:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/29/23 09:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/29/23 09:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/29/23 09:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/29/23 09:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/29/23 09:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/29/23 09:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/29/23 09:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/29/23 09:52	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/29/23 09:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/29/23 09:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/29/23 09:52	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/29/23 09:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/29/23 09:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/29/23 09:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/29/23 09:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/29/23 09:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/29/23 09:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/29/23 09:52	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/29/23 09:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/29/23 09:52	1
Styrene	<0.39		1.0	0.39	ug/L			06/29/23 09:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/29/23 09:52	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/29/23 09:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/29/23 09:52	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-720993/6
Matrix: Water
Analysis Batch: 720993

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/29/23 09:52	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/29/23 09:52	1
Toluene	<0.15		0.50	0.15	ug/L			06/29/23 09:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/29/23 09:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/29/23 09:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/29/23 09:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/29/23 09:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/29/23 09:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/29/23 09:52	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/29/23 09:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/29/23 09:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/29/23 09:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/29/23 09:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/29/23 09:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/29/23 09:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/29/23 09:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*72 - 124*		*06/29/23 09:52*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 120*		*06/29/23 09:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*06/29/23 09:52*	*1*
Toluene-d8 (Surr)	*82*		*75 - 120*		*06/29/23 09:52*	*1*

Lab Sample ID: LCS 500-720993/4
Matrix: Water
Analysis Batch: 720993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	49.3		ug/L		99	40 - 143
Benzene	50.0	45.1		ug/L		90	70 - 120
Bromobenzene	50.0	45.0		ug/L		90	70 - 122
Bromochloromethane	50.0	47.8		ug/L		96	65 - 122
Bromodichloromethane	50.0	47.7		ug/L		95	69 - 120
Bromoform	50.0	52.8		ug/L		106	56 - 132
Carbon disulfide	50.0	43.6		ug/L		87	66 - 120
Carbon tetrachloride	50.0	54.1		ug/L		108	59 - 133
Chlorobenzene	50.0	48.3		ug/L		97	70 - 120
Chloroethane	50.0	32.7		ug/L		65	48 - 136
Chloroform	50.0	43.3		ug/L		87	70 - 120
2-Chlorotoluene	50.0	41.1		ug/L		82	70 - 125
4-Chlorotoluene	50.0	42.8		ug/L		86	68 - 124
cis-1,2-Dichloroethene	50.0	40.7		ug/L		81	70 - 125
cis-1,3-Dichloropropene	50.0	45.9		ug/L		92	64 - 127
Dibromochloromethane	50.0	66.8	*	ug/L		134	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	40.9		ug/L		82	56 - 123
1,2-Dibromoethane (EDB)	50.0	56.3		ug/L		113	70 - 125
Dichlorodifluoromethane	50.0	45.5		ug/L		91	40 - 159
1,1-Dichloroethane	50.0	45.1		ug/L		90	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-720993/4
Matrix: Water
Analysis Batch: 720993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	47.2		ug/L		94	68 - 127
1,1-Dichloroethene	50.0	43.3		ug/L		87	67 - 122
1,2-Dichloropropane	50.0	55.9		ug/L		112	67 - 130
1,3-Dichloropropane	50.0	49.2		ug/L		98	62 - 136
2,2-Dichloropropane	50.0	37.3		ug/L		75	58 - 139
1,1-Dichloropropene	50.0	42.4		ug/L		85	70 - 121
Ethylbenzene	50.0	37.9		ug/L		76	70 - 123
Hexachlorobutadiene	50.0	50.4		ug/L		101	51 - 150
Isopropylbenzene	50.0	38.0		ug/L		76	70 - 126
1,3-Dichlorobenzene	50.0	48.8		ug/L		98	70 - 125
Bromomethane	50.0	31.5		ug/L		63	40 - 152
Chloromethane	50.0	59.4		ug/L		119	56 - 152
Dibromomethane	50.0	50.6		ug/L		101	70 - 120
Methylene Chloride	50.0	41.5		ug/L		83	69 - 125
2-Butanone (MEK)	50.0	56.3		ug/L		113	46 - 144
Methyl tert-butyl ether	50.0	32.3		ug/L		65	55 - 123
Naphthalene	50.0	35.5		ug/L		71	53 - 144
n-Butylbenzene	50.0	37.9		ug/L		76	68 - 125
N-Propylbenzene	50.0	42.0		ug/L		84	69 - 127
1,2-Dichlorobenzene	50.0	45.5		ug/L		91	70 - 125
1,4-Dichlorobenzene	50.0	48.3		ug/L		97	70 - 120
4-Isopropyltoluene	50.0	44.2		ug/L		88	70 - 125
sec-Butylbenzene	50.0	42.3		ug/L		85	70 - 123
Styrene	50.0	42.1		ug/L		84	70 - 120
tert-Butylbenzene	50.0	40.9		ug/L		82	70 - 121
1,1,1,2-Tetrachloroethane	50.0	56.7		ug/L		113	70 - 125
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/L		94	62 - 140
Tetrachloroethene	50.0	62.7		ug/L		125	70 - 128
Tetrahydrofuran	100	99.8		ug/L		100	59 - 139
Toluene	50.0	48.2		ug/L		96	70 - 125
trans-1,2-Dichloroethene	50.0	44.5		ug/L		89	70 - 125
trans-1,3-Dichloropropene	50.0	42.0		ug/L		84	62 - 128
1,2,3-Trichlorobenzene	50.0	51.3		ug/L		103	51 - 145
1,2,4-Trichlorobenzene	50.0	41.1		ug/L		82	57 - 137
1,1,1-Trichloroethane	50.0	46.5		ug/L		93	70 - 125
1,1,2-Trichloroethane	50.0	52.6		ug/L		105	71 - 130
Trichloroethene	50.0	52.0		ug/L		104	70 - 125
Trichlorofluoromethane	50.0	47.2		ug/L		94	55 - 128
1,2,3-Trichloropropane	50.0	48.3		ug/L		97	50 - 133
1,2,4-Trimethylbenzene	50.0	43.6		ug/L		87	70 - 123
1,3,5-Trimethylbenzene	50.0	42.9		ug/L		86	70 - 123
Vinyl chloride	50.0	42.8		ug/L		86	64 - 126
Xylenes, Total	100	81.4		ug/L		81	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*
Dibromofluoromethane (Surr)	*92*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-720993/4
Matrix: Water
Analysis Batch: 720993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Client Sample ID: 884 Young Rd Raw
Date Collected: 06/26/23 10:45
Date Received: 06/27/23 10:00

Lab Sample ID: 500-235810-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	720993	PMF	EET CHI	06/29/23 18:02

Client Sample ID: 884 Young Rd DW
Date Collected: 06/26/23 10:50
Date Received: 06/27/23 10:00

Lab Sample ID: 500-235810-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	720993	PMF	EET CHI	06/29/23 18:27

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-235810-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax. 708-534-5211

Chain of Custody Record

eurofins
Environment Testing

500-235810 COC

Client Information	Sampler: RMS	Lab PM: Fredrick, Sandie	Carrier:	COC No: 500-113306-30169 3
Client Contact: Mitch Evenson	Phone:	E-Mail: Sandra Fredrick@et.eurofinsus com	State of	Page: Page 3 of 3
Company: Cedar Corporation	PWSID:	Analysis Requested		Job #: 500-235810

Address: 604 Wilson Avenue	Due Date Requested.	Preservation Codes: A - HCL; B NaOH; C - Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L EDA; M Hexane; N - None; O AsNaO2; P Na2O4S; Q Na2SO3; R Na2S2O3; S H2SO4; T - TSP Dodecahydrate; U Acetone; V - MCAA; W pH 4-5; Y Trizma; Z other (specify); Other:
City: Menomonie	TAT Requested (days):	
State, Zip: WI, 54751	Compliance Project: Δ Yes Δ No	
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required	
Email: mitch evenson@cedarcorp com	WO #:	
Project Name: Junker Landfill Residentials	Project #: 50006557	
Site:	SSOW#:	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs	Total Number of Containers	Special Instructions/Note:
			Preservation Code:						
1 884 young Rd Raw	6/20/23	1045	G	Water			X		
2 884 young Rd DW	6/20/23	1050	G	Water			X		
				Water					
				Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	6/20/23 1515	Cedar corp	stephanie Hernandez	6/27/23 1000	EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Re inquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) C and Other Remarks: 18+0.7

Ver 06.08.21

ORIGIN ID:RRLA (715) 235-9081
MITCH EVENSON
WESTERN WISCONSIN TITLE
815 7TH STREET EAST

MENOMONIE, WI 54751
UNITED STATES US

SHIP DATE: 30MAY23
ACTWGT: 25.00 LB MAN
CAD: 0269688/CAFE3707

TO SAMPLE RECIEPT
EUROFINS CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484
(708) 534-5200
INV:
PO:
REF
DEPT

RMA:

FedEx Express

TUE - 27 JUN 10:30A
PRIORITY OVERNIGHT

FedEx
TRK# 0221 6483 4233 3933

60484
IL-US ORD

NX JOTA

500-235810 Waybi

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-235810-1
SDG Number:

Login Number: 235810
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 7/18/2023 12:23:48 PM

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-236148-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Job ID: 500-236148-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-236148-1

Receipt
The samples were received on 7/6/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
Method 8260B: Surrogate recovery for the following sample was outside the upper control limit: 724 McCutcheon Rd Raw (500-236148-2). This sample did not contain any target analytes above the reporting limit; therefore, re-extraction and/or re-analysis was not performed.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-723280 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Job ID: 500-236148-1
Project/Site: Junker LF Residentials

Client Sample ID: 860 Young Rd Raw — Lab Sample ID: 500-236148-1

No Detections.

Client Sample ID: 724 McCutcheon Rd Raw — Lab Sample ID: 500-236148-2

No Detections.

Client Sample ID: 698 Pine Timber Ln Raw — Lab Sample ID: 500-236148-3

No Detections.

Client Sample ID: 698 Pine Timber Ln DW — Lab Sample ID: 500-236148-4

No Detections.

Client Sample ID: 940 Sadies Ln Raw — Lab Sample ID: 500-236148-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.8		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-236148-1	860 Young Rd Raw	Water	07/05/23 09:00	07/06/23 10:00
500-236148-2	724 McCutcheon Rd Raw	Water	07/05/23 09:15	07/06/23 10:00
500-236148-3	698 Pine Timber Ln Raw	Water	07/05/23 09:30	07/06/23 10:00
500-236148-4	698 Pine Timber Ln DW	Water	07/05/23 09:35	07/06/23 10:00
500-236148-5	940 Sadies Ln Raw	Water	07/05/23 09:45	07/06/23 10:00

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 860 Young Rd Raw

Date Collected: 07/05/23 09:00
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/14/23 12:20	1
Benzene	<0.15		0.50	0.15	ug/L			07/14/23 12:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/14/23 12:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/14/23 12:20	1
Bromoform	<0.48		1.0	0.48	ug/L			07/14/23 12:20	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			07/14/23 12:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/14/23 12:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/14/23 12:20	1
Chloroform	<0.37		2.0	0.37	ug/L			07/14/23 12:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/14/23 12:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/14/23 12:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/14/23 12:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/14/23 12:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/14/23 12:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/14/23 12:20	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/14/23 12:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/14/23 12:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/14/23 12:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/14/23 12:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/14/23 12:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/14/23 12:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/14/23 12:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/14/23 12:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/14/23 12:20	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/14/23 12:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/14/23 12:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/14/23 12:20	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/14/23 12:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/14/23 12:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/14/23 12:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/14/23 12:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:20	1
Styrene	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:20	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/14/23 12:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/14/23 12:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/14/23 12:20	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 860 Young Rd Raw
Date Collected: 07/05/23 09:00
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/14/23 12:20	1
Toluene	<0.15		0.50	0.15	ug/L			07/14/23 12:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/14/23 12:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/14/23 12:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/14/23 12:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/14/23 12:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/14/23 12:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/14/23 12:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/14/23 12:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/14/23 12:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/14/23 12:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/14/23 12:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/14/23 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*07/14/23 12:20*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*07/14/23 12:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*75 - 126*		*07/14/23 12:20*	*1*
Toluene-d8 (Surr)	*108*		*75 - 120*		*07/14/23 12:20*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 724 McCutcheon Rd Raw

Date Collected: 07/05/23 09:15
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/14/23 12:45	1
Benzene	<0.15		0.50	0.15	ug/L			07/14/23 12:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/14/23 12:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/14/23 12:45	1
Bromoform	<0.48		1.0	0.48	ug/L			07/14/23 12:45	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			07/14/23 12:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/14/23 12:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/14/23 12:45	1
Chloroform	<0.37		2.0	0.37	ug/L			07/14/23 12:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/14/23 12:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/14/23 12:45	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/14/23 12:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/14/23 12:45	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/14/23 12:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/14/23 12:45	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/14/23 12:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/14/23 12:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/14/23 12:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/14/23 12:45	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/14/23 12:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/14/23 12:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/14/23 12:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/14/23 12:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:45	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/14/23 12:45	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/14/23 12:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/14/23 12:45	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/14/23 12:45	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/14/23 12:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/14/23 12:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/14/23 12:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/14/23 12:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:45	1
Styrene	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:45	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/14/23 12:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/14/23 12:45	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/14/23 12:45	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 724 McCutcheon Rd Raw
Date Collected: 07/05/23 09:15
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/14/23 12:45	1
Toluene	<0.15		0.50	0.15	ug/L			07/14/23 12:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/14/23 12:45	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/14/23 12:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/14/23 12:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/14/23 12:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/14/23 12:45	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/14/23 12:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/14/23 12:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/14/23 12:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/14/23 12:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/14/23 12:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/14/23 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*72 - 124*		*07/14/23 12:45*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 120*		*07/14/23 12:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*128*	*X*	*75 - 126*		*07/14/23 12:45*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*07/14/23 12:45*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 698 Pine Timber Ln Raw

Date Collected: 07/05/23 09:30
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/17/23 20:36	1
Benzene	<0.15		0.50	0.15	ug/L			07/17/23 20:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/17/23 20:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/17/23 20:36	1
Bromoform	<0.48		1.0	0.48	ug/L			07/17/23 20:36	1
Carbon disulfide	<0.45	F1	2.0	0.45	ug/L			07/17/23 20:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/17/23 20:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/17/23 20:36	1
Chloroform	<0.37		2.0	0.37	ug/L			07/17/23 20:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/17/23 20:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/17/23 20:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/17/23 20:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/17/23 20:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/17/23 20:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/17/23 20:36	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/17/23 20:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/17/23 20:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
1,1-Dichloroethene	<0.39	F1	1.0	0.39	ug/L			07/17/23 20:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/17/23 20:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/17/23 20:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/17/23 20:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/17/23 20:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/17/23 20:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/17/23 20:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/17/23 20:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/17/23 20:36	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/17/23 20:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/17/23 20:36	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/17/23 20:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/17/23 20:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/17/23 20:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/17/23 20:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/17/23 20:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/17/23 20:36	1
Styrene	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/17/23 20:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/17/23 20:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/17/23 20:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/17/23 20:36	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 698 Pine Timber Ln Raw
Date Collected: 07/05/23 09:30
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/17/23 20:36	1
Toluene	<0.15		0.50	0.15	ug/L			07/17/23 20:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/17/23 20:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/17/23 20:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/17/23 20:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/17/23 20:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/17/23 20:36	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/17/23 20:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/17/23 20:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/17/23 20:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/17/23 20:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/17/23 20:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/17/23 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*07/17/23 20:36*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*07/17/23 20:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*07/17/23 20:36*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*07/17/23 20:36*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 698 Pine Timber Ln DW

Date Collected: 07/05/23 09:35
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/14/23 13:33	1
Benzene	<0.15		0.50	0.15	ug/L			07/14/23 13:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/14/23 13:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/14/23 13:33	1
Bromoform	<0.48		1.0	0.48	ug/L			07/14/23 13:33	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			07/14/23 13:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/14/23 13:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/14/23 13:33	1
Chloroform	<0.37		2.0	0.37	ug/L			07/14/23 13:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/14/23 13:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/14/23 13:33	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/14/23 13:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/14/23 13:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/14/23 13:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/14/23 13:33	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/14/23 13:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/14/23 13:33	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/14/23 13:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/14/23 13:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/14/23 13:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/14/23 13:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/14/23 13:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/14/23 13:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/14/23 13:33	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/14/23 13:33	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/14/23 13:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/14/23 13:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/14/23 13:33	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/14/23 13:33	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/14/23 13:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/14/23 13:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/14/23 13:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 13:33	1
Styrene	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 13:33	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/14/23 13:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/14/23 13:33	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/14/23 13:33	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 698 Pine Timber Ln DW
Date Collected: 07/05/23 09:35
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/14/23 13:33	1
Toluene	<0.15		0.50	0.15	ug/L			07/14/23 13:33	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/14/23 13:33	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/14/23 13:33	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/14/23 13:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/14/23 13:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/14/23 13:33	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/14/23 13:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/14/23 13:33	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/14/23 13:33	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/14/23 13:33	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/14/23 13:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/14/23 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*72 - 124*		*07/14/23 13:33*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*07/14/23 13:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*75 - 126*		*07/14/23 13:33*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*07/14/23 13:33*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 940 Sadies Ln Raw

Date Collected: 07/05/23 09:45
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/14/23 11:55	1
Benzene	<0.15		0.50	0.15	ug/L			07/14/23 11:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/14/23 11:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/14/23 11:55	1
Bromoform	<0.48		1.0	0.48	ug/L			07/14/23 11:55	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			07/14/23 11:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/14/23 11:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/14/23 11:55	1
Chloroform	<0.37		2.0	0.37	ug/L			07/14/23 11:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/14/23 11:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/14/23 11:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/14/23 11:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/14/23 11:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/14/23 11:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/14/23 11:55	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/14/23 11:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/14/23 11:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/14/23 11:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/14/23 11:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/14/23 11:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/14/23 11:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/14/23 11:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/14/23 11:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/14/23 11:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/14/23 11:55	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/14/23 11:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/14/23 11:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/14/23 11:55	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/14/23 11:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/14/23 11:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/14/23 11:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/14/23 11:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 11:55	1
Styrene	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 11:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/14/23 11:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/14/23 11:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/14/23 11:55	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 940 Sadies Ln Raw
Date Collected: 07/05/23 09:45
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/14/23 11:55	1
Toluene	<0.15		0.50	0.15	ug/L			07/14/23 11:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/14/23 11:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/14/23 11:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/14/23 11:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/14/23 11:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/14/23 11:55	1
Trichloroethene	**1.8**		0.50	0.16	ug/L			07/14/23 11:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/14/23 11:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/14/23 11:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/14/23 11:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/14/23 11:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/14/23 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*72 - 124*		*07/14/23 11:55*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 120*		*07/14/23 11:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*75 - 126*		*07/14/23 11:55*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*07/14/23 11:55*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

GC/MS VOA

Analysis Batch: 723068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-236148-1	860 Young Rd Raw	Total/NA	Water	8260B	
500-236148-2	724 McCutcheon Rd Raw	Total/NA	Water	8260B	
500-236148-4	698 Pine Timber Ln DW	Total/NA	Water	8260B	
500-236148-5	940 Sadies Ln Raw	Total/NA	Water	8260B	
MB 500-723068/8	Method Blank	Total/NA	Water	8260B	
LCS 500-723068/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 723280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-236148-3	698 Pine Timber Ln Raw	Total/NA	Water	8260B	
MB 500-723280/7	Method Blank	Total/NA	Water	8260B	
LCS 500-723280/4	Lab Control Sample	Total/NA	Water	8260B	
500-236148-3 MS	698 Pine Timber Ln Raw	Total/NA	Water	8260B	
500-236148-3 MSD	698 Pine Timber Ln Raw	Total/NA	Water	8260B	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-236148-1	860 Young Rd Raw	116	114	125	108
500-236148-2	724 McCutcheon Rd Raw	124	118	128 X	105
500-236148-3	698 Pine Timber Ln Raw	103	100	104	95
500-236148-3 MS	698 Pine Timber Ln Raw	98	102	107	97
500-236148-3 MSD	698 Pine Timber Ln Raw	96	103	107	97
500-236148-4	698 Pine Timber Ln DW	120	108	124	107
500-236148-5	940 Sadies Ln Raw	121	115	125	103
LCS 500-723068/5	Lab Control Sample	104	99	103	105
LCS 500-723280/4	Lab Control Sample	100	100	104	100
MB 500-723068/8	Method Blank	116	116	123	102
MB 500-723280/7	Method Blank	102	101	105	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-723068/8
Matrix: Water
Analysis Batch: 723068

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/14/23 11:31	1
Benzene	<0.15		0.50	0.15	ug/L			07/14/23 11:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/14/23 11:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/14/23 11:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/14/23 11:31	1
Bromoform	<0.48		1.0	0.48	ug/L			07/14/23 11:31	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			07/14/23 11:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/14/23 11:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/14/23 11:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/14/23 11:31	1
Chloroform	<0.37		2.0	0.37	ug/L			07/14/23 11:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/14/23 11:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/14/23 11:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/14/23 11:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/14/23 11:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/14/23 11:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/14/23 11:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/14/23 11:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/14/23 11:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/14/23 11:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/14/23 11:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/14/23 11:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/14/23 11:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/14/23 11:31	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/14/23 11:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/14/23 11:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/14/23 11:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/14/23 11:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 11:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/14/23 11:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/14/23 11:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/14/23 11:31	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/14/23 11:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/14/23 11:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/14/23 11:31	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/14/23 11:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/14/23 11:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/14/23 11:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 11:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/14/23 11:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/14/23 11:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/14/23 11:31	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/14/23 11:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 11:31	1
Styrene	<0.39		1.0	0.39	ug/L			07/14/23 11:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 11:31	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/14/23 11:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/14/23 11:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-723068/8
Matrix: Water
Analysis Batch: 723068

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/14/23 11:31	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/14/23 11:31	1
Toluene	<0.15		0.50	0.15	ug/L			07/14/23 11:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/14/23 11:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/14/23 11:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/14/23 11:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/14/23 11:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/14/23 11:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/14/23 11:31	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/14/23 11:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/14/23 11:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/14/23 11:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/14/23 11:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/14/23 11:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/14/23 11:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/14/23 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*07/14/23 11:31*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 120*		*07/14/23 11:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*75 - 126*		*07/14/23 11:31*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*07/14/23 11:31*	*1*

Lab Sample ID: LCS 500-723068/5
Matrix: Water
Analysis Batch: 723068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	55.1		ug/L		110	40 - 143
Benzene	50.0	43.0		ug/L		86	70 - 120
Bromobenzene	50.0	49.0		ug/L		98	70 - 122
Bromochloromethane	50.0	47.0		ug/L		94	65 - 122
Bromodichloromethane	50.0	47.7		ug/L		95	69 - 120
Bromoform	50.0	53.6		ug/L		107	56 - 132
Carbon disulfide	50.0	34.1		ug/L		68	66 - 120
Carbon tetrachloride	50.0	46.0		ug/L		92	59 - 133
Chlorobenzene	50.0	46.6		ug/L		93	70 - 120
Chloroethane	50.0	51.8		ug/L		104	48 - 136
Chloroform	50.0	50.0		ug/L		100	70 - 120
2-Chlorotoluene	50.0	48.1		ug/L		96	70 - 125
4-Chlorotoluene	50.0	51.7		ug/L		103	68 - 124
cis-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 125
cis-1,3-Dichloropropene	50.0	47.0		ug/L		94	64 - 127
Dibromochloromethane	50.0	48.9		ug/L		98	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	47.2		ug/L		94	56 - 123
1,2-Dibromoethane (EDB)	50.0	46.5		ug/L		93	70 - 125
Dichlorodifluoromethane	50.0	58.0		ug/L		116	40 - 159
1,1-Dichloroethane	50.0	46.6		ug/L		93	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-723068/5
Matrix: Water
Analysis Batch: 723068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	45.5		ug/L		91	68 - 127
1,1-Dichloroethene	50.0	40.5		ug/L		81	67 - 122
1,2-Dichloropropane	50.0	44.8		ug/L		90	67 - 130
1,3-Dichloropropane	50.0	45.5		ug/L		91	62 - 136
2,2-Dichloropropane	50.0	48.7		ug/L		97	58 - 139
1,1-Dichloropropene	50.0	46.7		ug/L		93	70 - 121
Ethylbenzene	50.0	48.3		ug/L		97	70 - 123
Hexachlorobutadiene	50.0	48.5		ug/L		97	51 - 150
Isopropylbenzene	50.0	47.1		ug/L		94	70 - 126
1,3-Dichlorobenzene	50.0	48.3		ug/L		97	70 - 125
Bromomethane	50.0	56.0		ug/L		112	40 - 152
Chloromethane	50.0	53.5		ug/L		107	56 - 152
Dibromomethane	50.0	45.7		ug/L		91	70 - 120
Methylene Chloride	50.0	46.9		ug/L		94	69 - 125
2-Butanone (MEK)	50.0	46.6		ug/L		93	46 - 144
Methyl tert-butyl ether	50.0	49.8		ug/L		100	55 - 123
Naphthalene	50.0	55.4		ug/L		111	53 - 144
n-Butylbenzene	50.0	46.5		ug/L		93	68 - 125
N-Propylbenzene	50.0	47.4		ug/L		95	69 - 127
1,2-Dichlorobenzene	50.0	48.7		ug/L		97	70 - 125
1,4-Dichlorobenzene	50.0	46.7		ug/L		93	70 - 120
4-Isopropyltoluene	50.0	48.0		ug/L		96	70 - 125
sec-Butylbenzene	50.0	51.0		ug/L		102	70 - 123
Styrene	50.0	47.9		ug/L		96	70 - 120
tert-Butylbenzene	50.0	44.1		ug/L		88	70 - 121
1,1,1,2-Tetrachloroethane	50.0	45.5		ug/L		91	70 - 125
1,1,2,2-Tetrachloroethane	50.0	48.8		ug/L		98	62 - 140
Tetrachloroethene	50.0	46.9		ug/L		94	70 - 128
Tetrahydrofuran	100	93.6		ug/L		94	59 - 139
Toluene	50.0	45.9		ug/L		92	70 - 125
trans-1,2-Dichloroethene	50.0	45.0		ug/L		90	70 - 125
trans-1,3-Dichloropropene	50.0	49.7		ug/L		99	62 - 128
1,2,3-Trichlorobenzene	50.0	55.9		ug/L		112	51 - 145
1,2,4-Trichlorobenzene	50.0	56.5		ug/L		113	57 - 137
1,1,1-Trichloroethane	50.0	48.1		ug/L		96	70 - 125
1,1,2-Trichloroethane	50.0	43.7		ug/L		87	71 - 130
Trichloroethene	50.0	43.9		ug/L		88	70 - 125
Trichlorofluoromethane	50.0	51.5		ug/L		103	55 - 128
1,2,3-Trichloropropane	50.0	50.3		ug/L		101	50 - 133
1,2,4-Trimethylbenzene	50.0	47.7		ug/L		95	70 - 123
1,3,5-Trimethylbenzene	50.0	46.3		ug/L		93	70 - 123
Vinyl chloride	50.0	53.6		ug/L		107	64 - 126
Xylenes, Total	100	99.6		ug/L		100	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-723068/5
Matrix: Water
Analysis Batch: 723068

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		75 - 120

Lab Sample ID: MB 500-723280/7
Matrix: Water
Analysis Batch: 723280

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/17/23 14:05	1
Benzene	<0.15		0.50	0.15	ug/L			07/17/23 14:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/17/23 14:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/17/23 14:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/17/23 14:05	1
Bromoform	<0.48		1.0	0.48	ug/L			07/17/23 14:05	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			07/17/23 14:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/17/23 14:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/17/23 14:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/17/23 14:05	1
Chloroform	<0.37		2.0	0.37	ug/L			07/17/23 14:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/17/23 14:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/17/23 14:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/17/23 14:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/17/23 14:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/17/23 14:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/17/23 14:05	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/17/23 14:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/17/23 14:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/17/23 14:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/17/23 14:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/17/23 14:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/17/23 14:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/17/23 14:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/17/23 14:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/17/23 14:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/17/23 14:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/17/23 14:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/17/23 14:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/17/23 14:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/17/23 14:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/17/23 14:05	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/17/23 14:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/17/23 14:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/17/23 14:05	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/17/23 14:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/17/23 14:05	1
Naphthalene	0.368	J	1.0	0.34	ug/L			07/17/23 14:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/17/23 14:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/17/23 14:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/17/23 14:05	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-723280/7
Matrix: Water
Analysis Batch: 723280

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/17/23 14:05	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/17/23 14:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/17/23 14:05	1
Styrene	<0.39		1.0	0.39	ug/L			07/17/23 14:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/17/23 14:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/17/23 14:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/17/23 14:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/17/23 14:05	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/17/23 14:05	1
Toluene	<0.15		0.50	0.15	ug/L			07/17/23 14:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/17/23 14:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/17/23 14:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/17/23 14:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/17/23 14:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/17/23 14:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/17/23 14:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/17/23 14:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/17/23 14:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/17/23 14:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/17/23 14:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/17/23 14:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/17/23 14:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/17/23 14:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*07/17/23 14:05*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*07/17/23 14:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*07/17/23 14:05*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*07/17/23 14:05*	*1*

Lab Sample ID: LCS 500-723280/4
Matrix: Water
Analysis Batch: 723280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	55.3		ug/L		111	40 - 143
Benzene	50.0	52.9		ug/L		106	70 - 120
Bromobenzene	50.0	53.8		ug/L		108	70 - 122
Bromochloromethane	50.0	52.3		ug/L		105	65 - 122
Bromodichloromethane	50.0	55.5		ug/L		111	69 - 120
Bromoform	50.0	56.3		ug/L		113	56 - 132
Carbon disulfide	50.0	49.2		ug/L		98	66 - 120
Carbon tetrachloride	50.0	54.7		ug/L		109	59 - 133
Chlorobenzene	50.0	53.5		ug/L		107	70 - 120
Chloroethane	50.0	46.5		ug/L		93	48 - 136
Chloroform	50.0	52.6		ug/L		105	70 - 120
2-Chlorotoluene	50.0	55.4		ug/L		111	70 - 125
4-Chlorotoluene	50.0	56.8		ug/L		114	68 - 124

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-723280/4
Matrix: Water
Analysis Batch: 723280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	50.0	52.1		ug/L		104	70 - 125
cis-1,3-Dichloropropene	50.0	57.3		ug/L		115	64 - 127
Dibromochloromethane	50.0	57.9		ug/L		116	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	57.4		ug/L		115	56 - 123
1,2-Dibromoethane (EDB)	50.0	55.7		ug/L		111	70 - 125
Dichlorodifluoromethane	50.0	48.9		ug/L		98	40 - 159
1,1-Dichloroethane	50.0	52.5		ug/L		105	70 - 125
1,2-Dichloroethane	50.0	57.2		ug/L		114	68 - 127
1,1-Dichloroethene	50.0	47.0		ug/L		94	67 - 122
1,2-Dichloropropane	50.0	54.6		ug/L		109	67 - 130
1,3-Dichloropropane	50.0	55.4		ug/L		111	62 - 136
2,2-Dichloropropane	50.0	51.7		ug/L		103	58 - 139
1,1-Dichloropropene	50.0	51.2		ug/L		102	70 - 121
Ethylbenzene	50.0	53.4		ug/L		107	70 - 123
Hexachlorobutadiene	50.0	51.9		ug/L		104	51 - 150
Isopropylbenzene	50.0	54.2		ug/L		108	70 - 126
1,3-Dichlorobenzene	50.0	55.3		ug/L		111	70 - 125
Bromomethane	50.0	53.4		ug/L		107	40 - 152
Chloromethane	50.0	50.8		ug/L		102	56 - 152
Dibromomethane	50.0	54.7		ug/L		109	70 - 120
Methylene Chloride	50.0	53.7		ug/L		107	69 - 125
2-Butanone (MEK)	50.0	54.9		ug/L		110	46 - 144
Methyl tert-butyl ether	50.0	52.5		ug/L		105	55 - 123
Naphthalene	50.0	54.8		ug/L		110	53 - 144
n-Butylbenzene	50.0	55.3		ug/L		111	68 - 125
N-Propylbenzene	50.0	55.6		ug/L		111	69 - 127
1,2-Dichlorobenzene	50.0	55.1		ug/L		110	70 - 125
1,4-Dichlorobenzene	50.0	53.7		ug/L		107	70 - 120
4-Isopropyltoluene	50.0	55.6		ug/L		111	70 - 125
sec-Butylbenzene	50.0	55.0		ug/L		110	70 - 123
Styrene	50.0	55.0		ug/L		110	70 - 120
tert-Butylbenzene	50.0	54.7		ug/L		109	70 - 121
1,1,1,2-Tetrachloroethane	50.0	57.2		ug/L		114	70 - 125
1,1,2,2-Tetrachloroethane	50.0	56.5		ug/L		113	62 - 140
Tetrachloroethene	50.0	51.2		ug/L		102	70 - 128
Tetrahydrofuran	100	95.3		ug/L		95	59 - 139
Toluene	50.0	51.1		ug/L		102	70 - 125
trans-1,2-Dichloroethene	50.0	50.4		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	56.2		ug/L		112	62 - 128
1,2,3-Trichlorobenzene	50.0	53.9		ug/L		108	51 - 145
1,2,4-Trichlorobenzene	50.0	52.6		ug/L		105	57 - 137
1,1,1-Trichloroethane	50.0	53.9		ug/L		108	70 - 125
1,1,2-Trichloroethane	50.0	53.2		ug/L		106	71 - 130
Trichloroethene	50.0	53.6		ug/L		107	70 - 125
Trichlorofluoromethane	50.0	53.6		ug/L		107	55 - 128
1,2,3-Trichloropropane	50.0	57.4		ug/L		115	50 - 133
1,2,4-Trimethylbenzene	50.0	56.2		ug/L		112	70 - 123
1,3,5-Trimethylbenzene	50.0	57.5		ug/L		115	70 - 123
Vinyl chloride	50.0	51.4		ug/L		103	64 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-723280/4
Matrix: Water
Analysis Batch: 723280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			100	107		ug/L		107	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Sample ID: 500-236148-3 MS
Matrix: Water
Analysis Batch: 723280

Client Sample ID: 698 Pine Timber Ln Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone	<1.7		50.0	47.6		ug/L		95	40 - 143		
Benzene	<0.15		50.0	47.2		ug/L		94	70 - 120		
Bromobenzene	<0.36		50.0	54.2		ug/L		108	70 - 122		
Bromochloromethane	<0.43		50.0	48.9		ug/L		98	65 - 122		
Bromodichloromethane	<0.37		50.0	57.2		ug/L		114	69 - 120		
Bromoform	<0.48		50.0	60.1		ug/L		120	56 - 132		
Carbon disulfide	<0.45	F1	50.0	19.1	F1	ug/L		38	66 - 120		
Carbon tetrachloride	<0.38		50.0	45.9		ug/L		92	59 - 133		
Chlorobenzene	<0.39		50.0	53.1		ug/L		106	70 - 120		
Chloroethane	<0.51		50.0	43.7		ug/L		87	48 - 136		
Chloroform	<0.37		50.0	50.5		ug/L		101	70 - 120		
2-Chlorotoluene	<0.31		50.0	54.5		ug/L		109	70 - 125		
4-Chlorotoluene	<0.35		50.0	54.7		ug/L		109	68 - 124		
cis-1,2-Dichloroethene	<0.41		50.0	46.6		ug/L		93	70 - 125		
cis-1,3-Dichloropropene	<0.42		50.0	53.6		ug/L		107	64 - 127		
Dibromochloromethane	<0.49		50.0	59.3		ug/L		119	68 - 125		
1,2-Dibromo-3-Chloropropane	<2.0		50.0	59.4		ug/L		119	56 - 123		
1,2-Dibromoethane (EDB)	<0.39		50.0	56.0		ug/L		112	70 - 125		
Dichlorodifluoromethane	<0.67		50.0	48.1		ug/L		96	40 - 159		
1,1-Dichloroethane	<0.41		50.0	44.1		ug/L		88	70 - 125		
1,2-Dichloroethane	<0.39		50.0	55.8		ug/L		112	68 - 127		
1,1-Dichloroethene	<0.39	F1	50.0	27.6	F1	ug/L		55	67 - 122		
1,2-Dichloropropane	<0.43		50.0	52.9		ug/L		106	67 - 130		
1,3-Dichloropropane	<0.36		50.0	56.2		ug/L		112	62 - 136		
2,2-Dichloropropane	<0.44		50.0	41.0		ug/L		82	58 - 139		
1,1-Dichloropropene	<0.30		50.0	42.5		ug/L		85	70 - 121		
Ethylbenzene	<0.18		50.0	50.5		ug/L		101	70 - 123		
Hexachlorobutadiene	<0.45		50.0	49.3		ug/L		99	51 - 150		
Isopropylbenzene	<0.39		50.0	52.0		ug/L		104	70 - 126		
1,3-Dichlorobenzene	<0.40		50.0	53.3		ug/L		107	70 - 125		
Bromomethane	<0.80		50.0	51.0		ug/L		102	40 - 152		
Chloromethane	<0.32		50.0	46.0		ug/L		92	56 - 152		
Dibromomethane	<0.27		50.0	55.4		ug/L		111	70 - 120		
Methylene Chloride	<1.6		50.0	42.5		ug/L		85	69 - 125		
2-Butanone (MEK)	<2.1		50.0	53.3		ug/L		107	46 - 144		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-236148-3 MS
Matrix: Water
Analysis Batch: 723280

Client Sample ID: 698 Pine Timber Ln Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	<0.39		50.0	48.3		ug/L		97	55 - 123
Naphthalene	<0.34		50.0	53.6		ug/L		107	53 - 144
n-Butylbenzene	<0.39		50.0	51.8		ug/L		104	68 - 125
N-Propylbenzene	<0.41		50.0	51.8		ug/L		104	69 - 127
1,2-Dichlorobenzene	<0.33		50.0	55.9		ug/L		112	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	53.3		ug/L		107	70 - 120
4-Isopropyltoluene	<0.36		50.0	53.4		ug/L		107	70 - 125
sec-Butylbenzene	<0.40		50.0	52.9		ug/L		106	70 - 123
Styrene	<0.39		50.0	53.1		ug/L		106	70 - 120
tert-Butylbenzene	<0.40		50.0	53.3		ug/L		107	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	56.6		ug/L		113	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	59.6		ug/L		119	62 - 140
Tetrachloroethene	<0.37		50.0	45.7		ug/L		91	70 - 128
Tetrahydrofuran	<1.9		100	95.7		ug/L		96	59 - 139
Toluene	<0.15		50.0	46.8		ug/L		94	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	41.4		ug/L		83	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	55.5		ug/L		111	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	52.6		ug/L		105	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	49.9		ug/L		100	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	45.2		ug/L		90	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	55.5		ug/L		111	71 - 130
Trichloroethene	<0.16		50.0	50.5		ug/L		101	70 - 125
Trichlorofluoromethane	<0.43		50.0	50.5		ug/L		101	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	56.5		ug/L		113	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	54.8		ug/L		110	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	54.6		ug/L		109	70 - 123
Vinyl chloride	<0.20		50.0	46.1		ug/L		92	64 - 126
Xylenes, Total	<0.22		100	103		ug/L		103	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Sample ID: 500-236148-3 MSD
Matrix: Water
Analysis Batch: 723280

Client Sample ID: 698 Pine Timber Ln Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	<1.7		50.0	52.2		ug/L		104	40 - 143	9	20
Benzene	<0.15		50.0	49.5		ug/L		99	70 - 120	5	20
Bromobenzene	<0.36		50.0	54.8		ug/L		110	70 - 122	1	20
Bromochloromethane	<0.43		50.0	50.6		ug/L		101	65 - 122	3	20
Bromodichloromethane	<0.37		50.0	58.7		ug/L		117	69 - 120	3	20
Bromoform	<0.48		50.0	61.3		ug/L		123	56 - 132	2	20
Carbon disulfide	<0.45	F1	50.0	19.8	F1	ug/L		40	66 - 120	3	20
Carbon tetrachloride	<0.38		50.0	47.3		ug/L		95	59 - 133	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-236148-3 MSD
Matrix: Water
Analysis Batch: 723280

Client Sample ID: 698 Pine Timber Ln Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobenzene	<0.39		50.0	55.1		ug/L		110	70 - 120	4	20
Chloroethane	<0.51		50.0	48.9		ug/L		98	48 - 136	11	20
Chloroform	<0.37		50.0	52.9		ug/L		106	70 - 120	5	20
2-Chlorotoluene	<0.31		50.0	56.0		ug/L		112	70 - 125	3	20
4-Chlorotoluene	<0.35		50.0	56.2		ug/L		112	68 - 124	3	20
cis-1,2-Dichloroethene	<0.41		50.0	48.8		ug/L		98	70 - 125	5	20
cis-1,3-Dichloropropene	<0.42		50.0	55.2		ug/L		110	64 - 127	3	20
Dibromochloromethane	<0.49		50.0	60.7		ug/L		121	68 - 125	2	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	59.8		ug/L		120	56 - 123	1	20
1,2-Dibromoethane (EDB)	<0.39		50.0	56.8		ug/L		114	70 - 125	1	20
Dichlorodifluoromethane	<0.67		50.0	46.8		ug/L		94	40 - 159	3	20
1,1-Dichloroethane	<0.41		50.0	47.2		ug/L		94	70 - 125	7	20
1,2-Dichloroethane	<0.39		50.0	57.3		ug/L		115	68 - 127	3	20
1,1-Dichloroethene	<0.39	F1	50.0	28.4	F1	ug/L		57	67 - 122	3	20
1,2-Dichloropropane	<0.43		50.0	55.2		ug/L		110	67 - 130	4	20
1,3-Dichloropropane	<0.36		50.0	57.1		ug/L		114	62 - 136	2	20
2,2-Dichloropropane	<0.44		50.0	43.8		ug/L		88	58 - 139	7	20
1,1-Dichloropropene	<0.30		50.0	44.7		ug/L		89	70 - 121	5	20
Ethylbenzene	<0.18		50.0	54.0		ug/L		108	70 - 123	7	20
Hexachlorobutadiene	<0.45		50.0	51.6		ug/L		103	51 - 150	5	20
Isopropylbenzene	<0.39		50.0	53.3		ug/L		107	70 - 126	3	20
1,3-Dichlorobenzene	<0.40		50.0	55.3		ug/L		111	70 - 125	4	20
Bromomethane	<0.80		50.0	54.9		ug/L		110	40 - 152	7	20
Chloromethane	<0.32		50.0	48.3		ug/L		97	56 - 152	5	20
Dibromomethane	<0.27		50.0	58.7		ug/L		117	70 - 120	6	20
Methylene Chloride	<1.6		50.0	45.6		ug/L		91	69 - 125	7	20
2-Butanone (MEK)	<2.1		50.0	53.4		ug/L		107	46 - 144	0	20
Methyl tert-butyl ether	<0.39		50.0	49.4		ug/L		99	55 - 123	2	20
Naphthalene	<0.34		50.0	58.4		ug/L		117	53 - 144	9	20
n-Butylbenzene	<0.39		50.0	52.9		ug/L		106	68 - 125	2	20
N-Propylbenzene	<0.41		50.0	54.1		ug/L		108	69 - 127	4	20
1,2-Dichlorobenzene	<0.33		50.0	57.8		ug/L		116	70 - 125	3	20
1,4-Dichlorobenzene	<0.36		50.0	55.1		ug/L		110	70 - 120	3	20
4-Isopropyltoluene	<0.36		50.0	54.6		ug/L		109	70 - 125	2	20
sec-Butylbenzene	<0.40		50.0	54.4		ug/L		109	70 - 123	3	20
Styrene	<0.39		50.0	53.9		ug/L		108	70 - 120	2	20
tert-Butylbenzene	<0.40		50.0	55.4		ug/L		111	70 - 121	4	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	58.4		ug/L		117	70 - 125	3	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	59.1		ug/L		118	62 - 140	1	20
Tetrachloroethene	<0.37		50.0	48.2		ug/L		96	70 - 128	5	20
Tetrahydrofuran	<1.9		100	95.3		ug/L		95	59 - 139	0	20
Toluene	<0.15		50.0	48.1		ug/L		96	70 - 125	3	20
trans-1,2-Dichloroethene	<0.35		50.0	42.4		ug/L		85	70 - 125	2	20
trans-1,3-Dichloropropene	<0.36		50.0	56.9		ug/L		114	62 - 128	3	20
1,2,3-Trichlorobenzene	<0.46		50.0	56.7		ug/L		113	51 - 145	7	20
1,2,4-Trichlorobenzene	<0.34		50.0	54.2		ug/L		108	57 - 137	8	20
1,1,1-Trichloroethane	<0.38		50.0	48.4		ug/L		97	70 - 125	7	20
1,1,2-Trichloroethane	<0.35		50.0	54.6		ug/L		109	71 - 130	2	20
Trichloroethene	<0.16		50.0	53.0		ug/L		106	70 - 125	5	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-236148-3 MSD
Matrix: Water
Analysis Batch: 723280

Client Sample ID: 698 Pine Timber Ln Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichlorofluoromethane	<0.43		50.0	52.0		ug/L		104	55 - 128	3	20
1,2,3-Trichloropropane	<0.41		50.0	55.7		ug/L		111	50 - 133	1	20
1,2,4-Trimethylbenzene	<0.36		50.0	56.1		ug/L		112	70 - 123	2	20
1,3,5-Trimethylbenzene	<0.25		50.0	56.2		ug/L		112	70 - 123	3	20
Vinyl chloride	<0.20		50.0	50.7		ug/L		101	64 - 126	10	20
Xylenes, Total	<0.22		100	109		ug/L		109	70 - 125	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane (Surr)	*103*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 860 Young Rd Raw
Lab Sample ID: 500-236148-1
Date Collected: 07/05/23 09:00
Matrix: Water
Date Received: 07/06/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	723068	PMF	EET CHI	07/14/23 12:20

Client Sample ID: 724 McCutcheon Rd Raw
Lab Sample ID: 500-236148-2
Date Collected: 07/05/23 09:15
Matrix: Water
Date Received: 07/06/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	723068	PMF	EET CHI	07/14/23 12:45

Client Sample ID: 698 Pine Timber Ln Raw
Lab Sample ID: 500-236148-3
Date Collected: 07/05/23 09:30
Matrix: Water
Date Received: 07/06/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	723280	W1T	EET CHI	07/17/23 20:36

Client Sample ID: 698 Pine Timber Ln DW
Lab Sample ID: 500-236148-4
Date Collected: 07/05/23 09:35
Matrix: Water
Date Received: 07/06/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	723068	PMF	EET CHI	07/14/23 13:33

Client Sample ID: 940 Sadies Ln Raw
Lab Sample ID: 500-236148-5
Date Collected: 07/05/23 09:45
Matrix: Water
Date Received: 07/06/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	723068	PMF	EET CHI	07/14/23 11:55

Laboratory References:
EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-236148-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Renee Sletten	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-113553 36911 1
Client Contact: Mitch Evenson	Phone:	E Mail: Sandra Fredrick@et.eurofinsus.com		Page: Page 1 of 1
Company: Cedar Corporation	PWSID:			Job #: 500-236148
Address: 604 Wilson Avenue	Due Date Requested:			Preservation Codes
City: Menomonie	TAT Requested (days):			
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No			
Phone: 715-235 9081(Tel)	PO #: Purchase Order not required			
Email: mitch evenson@cedarcorp com	WO #:			
Project Name: Junker LF Residentials	Project #: ~~60000557~~			
Site:	SSOW#:			

500-236148 COC

Analysis Requ

Preservation Codes
A HCL
B NaOH
C Zn Acetate
D Nitric Acid
E NaHSO4
F MeOH
G Amchlor
H Ascorbic Acid
I Ice
J DI Water
K EDTA
L EDA
M Hexane
N None
O AsNaO2
P Na2O4S
Q Na2SO3
R Na2S2O3
S H2SO4
T TSP Dodecahydrate
U Acetone
V MCAA
W pH 4-5
Y Trizma
Z other (specify)
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs	Total Number of containers	Special Instructions/Note
				Preservation Code:						
1	860 young Rd Raw	7/5/23	900	G	Water			X		
2	724 McCutcheon Rd Raw		915					X		
3	698 Pine Timber Ln Raw		930					X		
4	698 Pine Timber Ln DW		935					X		
5	940 Sadies Ln Raw		945					X		

Possible Hazard Identification
☐ Non Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Renee Sletten	7/5/23 1200	Cedar Corp	Stephanie Hernandez	7/6/23 1000	EEIA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No:

Cooler Temperature(s) and Other Remarks: 3.3+2.2

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-236148-1

Login Number: 236148
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 8/22/2023 10:35:15 AM

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-237999-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

Generated
8/22/2023 10:35:15 AM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-237999-1

Job ID: 500-237999-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-237999-1

Receipt
The sample was received on 08/11/23 09:40. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3º C.

GC/MS VOA
The continuing calibration verification (CCVIS/CCV) associated with the following had compounds outside 20% drift for method 8260D. Where applicable, a standard was analyzed at the reporting limit (CCVL) and analyses were able to continue, as low failing compounds were detected. Any detects for these out of control compounds should be considered estimates.987 Labarge Rd Raw (500-237999-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-237999-1

Client Sample ID: 987 Labarge Rd Raw

Lab Sample ID: 500-237999-1

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-237999-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-237999-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-237999-1	987 Labarge Rd Raw	Water	08/08/23 09:00	08/11/23 09:40

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-237999-1

Client Sample ID: 987 Labarge Rd Raw

Date Collected: 08/08/23 09:00
Date Received: 08/11/23 09:40

Lab Sample ID: 500-237999-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			08/17/23 13:11	1
Benzene	<0.15		0.50	0.15	ug/L			08/17/23 13:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/17/23 13:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/17/23 13:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/17/23 13:11	1
Bromoform	<0.48	^c	1.0	0.48	ug/L			08/17/23 13:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/17/23 13:11	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			08/17/23 13:11	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			08/17/23 13:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/17/23 13:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/17/23 13:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/17/23 13:11	1
Chloroform	<0.37		2.0	0.37	ug/L			08/17/23 13:11	1
Chloromethane	<0.32	^c	5.0	0.32	ug/L			08/17/23 13:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/17/23 13:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/17/23 13:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/17/23 13:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/17/23 13:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/17/23 13:11	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			08/17/23 13:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			08/17/23 13:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/17/23 13:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/17/23 13:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/17/23 13:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/17/23 13:11	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			08/17/23 13:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/17/23 13:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/17/23 13:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/17/23 13:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/17/23 13:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/17/23 13:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/17/23 13:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/17/23 13:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/17/23 13:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/17/23 13:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/17/23 13:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/17/23 13:11	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/17/23 13:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/17/23 13:11	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			08/17/23 13:11	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			08/17/23 13:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/17/23 13:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/17/23 13:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/17/23 13:11	1
Styrene	<0.39		1.0	0.39	ug/L			08/17/23 13:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/17/23 13:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/17/23 13:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/17/23 13:11	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			08/17/23 13:11	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-237999-1

Client Sample ID: 987 Labarge Rd Raw
Date Collected: 08/08/23 09:00
Date Received: 08/11/23 09:40

Lab Sample ID: 500-237999-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			08/17/23 13:11	1
Toluene	<0.15		0.50	0.15	ug/L			08/17/23 13:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/17/23 13:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/17/23 13:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/17/23 13:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/17/23 13:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/17/23 13:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/17/23 13:11	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/17/23 13:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/17/23 13:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/17/23 13:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/17/23 13:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/17/23 13:11	1
Vinyl chloride	<0.20	^c	1.0	0.20	ug/L			08/17/23 13:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/17/23 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*08/17/23 13:11*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*08/17/23 13:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*08/17/23 13:11*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*08/17/23 13:11*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-237999-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-237999-1

GC/MS VOA

Analysis Batch: 728193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237999-1	987 Labarge Rd Raw	Total/NA	Water	8260D	
MB 500-728193/6	Method Blank	Total/NA	Water	8260D	
LCS 500-728193/4	Lab Control Sample	Total/NA	Water	8260D	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-237999-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-237999-1	987 Labarge Rd Raw	103	105	102	102
LCS 500-728193/4	Lab Control Sample	100	97	94	105
MB 500-728193/6	Method Blank	101	101	103	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-728193/6
Matrix: Water
Analysis Batch: 728193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			08/17/23 09:55	1
Benzene	<0.15		0.50	0.15	ug/L			08/17/23 09:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/17/23 09:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/17/23 09:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/17/23 09:55	1
Bromoform	<0.48		1.0	0.48	ug/L			08/17/23 09:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/17/23 09:55	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/17/23 09:55	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			08/17/23 09:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/17/23 09:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/17/23 09:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/17/23 09:55	1
Chloroform	<0.37		2.0	0.37	ug/L			08/17/23 09:55	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/17/23 09:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/17/23 09:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/17/23 09:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/17/23 09:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/17/23 09:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/17/23 09:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/17/23 09:55	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			08/17/23 09:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/17/23 09:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/17/23 09:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/17/23 09:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/17/23 09:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/17/23 09:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/17/23 09:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/17/23 09:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/17/23 09:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/17/23 09:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/17/23 09:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/17/23 09:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/17/23 09:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/17/23 09:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/17/23 09:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/17/23 09:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/17/23 09:55	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/17/23 09:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/17/23 09:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/17/23 09:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/17/23 09:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/17/23 09:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/17/23 09:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/17/23 09:55	1
Styrene	<0.39		1.0	0.39	ug/L			08/17/23 09:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/17/23 09:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/17/23 09:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/17/23 09:55	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-728193/6
Matrix: Water
Analysis Batch: 728193

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/17/23 09:55	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			08/17/23 09:55	1
Toluene	<0.15		0.50	0.15	ug/L			08/17/23 09:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/17/23 09:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/17/23 09:55	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/17/23 09:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/17/23 09:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/17/23 09:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/17/23 09:55	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/17/23 09:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/17/23 09:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/17/23 09:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/17/23 09:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/17/23 09:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/17/23 09:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/17/23 09:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*08/17/23 09:55*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*08/17/23 09:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*08/17/23 09:55*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*08/17/23 09:55*	*1*

Lab Sample ID: LCS 500-728193/4
Matrix: Water
Analysis Batch: 728193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	45.1		ug/L		90	40 - 143
Benzene	50.0	46.4		ug/L		93	70 - 120
Bromobenzene	50.0	57.9		ug/L		116	70 - 122
Bromochloromethane	50.0	47.6		ug/L		95	65 - 122
Bromodichloromethane	50.0	48.1		ug/L		96	69 - 120
Bromoform	50.0	42.9		ug/L		86	56 - 132
Bromomethane	50.0	44.5		ug/L		89	40 - 152
2-Butanone (MEK)	50.0	44.6		ug/L		89	46 - 144
Carbon disulfide	50.0	41.1		ug/L		82	66 - 120
Carbon tetrachloride	50.0	49.6		ug/L		99	59 - 133
Chlorobenzene	50.0	53.4		ug/L		107	70 - 120
Chloroethane	50.0	41.1		ug/L		82	48 - 136
Chloroform	50.0	45.0		ug/L		90	70 - 120
Chloromethane	50.0	32.3		ug/L		65	56 - 152
2-Chlorotoluene	50.0	47.9		ug/L		96	70 - 125
4-Chlorotoluene	50.0	50.0		ug/L		100	68 - 124
cis-1,2-Dichloroethene	50.0	45.4		ug/L		91	70 - 125
cis-1,3-Dichloropropene	50.0	52.4		ug/L		105	64 - 127
Dibromochloromethane	50.0	51.1		ug/L		102	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	35.4		ug/L		71	56 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-728193/4
Matrix: Water
Analysis Batch: 728193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	50.0	53.6		ug/L		107	70 - 125
Dibromomethane	50.0	54.3		ug/L		109	70 - 120
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 125
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 125
1,4-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 120
Dichlorodifluoromethane	50.0	29.4		ug/L		59	40 - 159
1,1-Dichloroethane	50.0	47.8		ug/L		96	70 - 125
1,2-Dichloroethane	50.0	52.5		ug/L		105	68 - 127
1,1-Dichloroethene	50.0	45.0		ug/L		90	67 - 122
1,2-Dichloropropane	50.0	52.7		ug/L		105	67 - 130
1,3-Dichloropropane	50.0	56.5		ug/L		113	62 - 136
2,2-Dichloropropane	50.0	42.2		ug/L		84	58 - 139
1,1-Dichloropropene	50.0	49.7		ug/L		99	70 - 121
Ethylbenzene	50.0	45.4		ug/L		91	70 - 123
Hexachlorobutadiene	50.0	52.4		ug/L		105	51 - 150
Isopropylbenzene	50.0	50.7		ug/L		101	70 - 126
4-Isopropyltoluene	50.0	49.0		ug/L		98	70 - 125
Methylene Chloride	50.0	46.1		ug/L		92	69 - 125
Methyl tert-butyl ether	50.0	42.2		ug/L		84	55 - 123
Naphthalene	50.0	35.9		ug/L		72	53 - 144
n-Butylbenzene	50.0	44.5		ug/L		89	68 - 125
N-Propylbenzene	50.0	50.5		ug/L		101	69 - 127
sec-Butylbenzene	50.0	48.0		ug/L		96	70 - 123
Styrene	50.0	46.8		ug/L		94	70 - 120
tert-Butylbenzene	50.0	48.9		ug/L		98	70 - 121
1,1,1,2-Tetrachloroethane	50.0	50.8		ug/L		102	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.3		ug/L		95	62 - 140
Tetrachloroethene	50.0	61.6		ug/L		123	70 - 128
Tetrahydrofuran	100	78.8		ug/L		79	59 - 139
Toluene	50.0	50.5		ug/L		101	70 - 125
trans-1,2-Dichloroethene	50.0	47.6		ug/L		95	70 - 125
trans-1,3-Dichloropropene	50.0	48.9		ug/L		98	62 - 128
1,2,3-Trichlorobenzene	50.0	45.8		ug/L		92	51 - 145
1,2,4-Trichlorobenzene	50.0	48.9		ug/L		98	57 - 137
1,1,1-Trichloroethane	50.0	46.6		ug/L		93	70 - 125
1,1,2-Trichloroethane	50.0	55.3		ug/L		111	71 - 130
Trichloroethene	50.0	53.6		ug/L		107	70 - 125
Trichlorofluoromethane	50.0	46.6		ug/L		93	55 - 128
1,2,3-Trichloropropane	50.0	52.8		ug/L		106	50 - 133
1,2,4-Trimethylbenzene	50.0	47.5		ug/L		95	70 - 123
1,3,5-Trimethylbenzene	50.0	48.1		ug/L		96	70 - 123
Vinyl chloride	50.0	36.7		ug/L		73	64 - 126
Xylenes, Total	100	88.2		ug/L		88	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-728193/4
Matrix: Water
Analysis Batch: 728193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-237999-1

Client Sample ID: 987 Labarge Rd Raw

Date Collected: 08/08/23 09:00
Date Received: 08/11/23 09:40

Lab Sample ID: 500-237999-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728193	W1T	EET CHI	08/17/23 13:11

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-237999-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: RMS	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-113964-46187 1
Client Contact: Mitch Evenson	Phone: 715-235-9081	E-Mail: Sandra Fredrick@et eurofinsus com	State of Origin:	Page: Page 1 of 3
Company: Cedar Corporation	PWS.D:	Analysis Requested		Job #: 500-237999
Address: 604 Wi son Avenue	Due Date Requested:			Preservation Codes: A HCL; B NaOH; C Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H Ascorbic Acid; I Ice; J Di Water; K EDTA; L EDA; M Hexane; N None; O AsNaO2; P Na2O4S; Q Na2SO3; R Na2S2O3; S H2SO4; T TSP Dodecahydrate; U Acetone; V MCAA; W pH 4-5; Y Trizma; Z other (specify); Other:
City: Menomonie	TAT Requested (days):			
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not requ red			
Email: mitch evenson@cedarcorp com	WO #:			
Project Name: ~~PWSPMS~~ ~~987 Labarge~~ Junker LF Res-	Project #: 50021269			
Site:	SSOW#:			

500-237999 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	~~537_WW_PFCMS~~ VOCs	~~537_WW_PFCMSD~~	Total Number of containers	Special Instructions/Note
			Preservation Code:		N	Y				
1 987 LaBarge Rd Raw	8/8/23	0900	G	Water		X				
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Wa er						
				Water						
				Water						
				Water						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ D sposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	8/10/23 0844	Cedar Corp	[signature]	8/11/23 0940	RETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Sea No

Cooler Temperature(s) C and Other Remarks: 24->13

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-237999-1

Login Number: 237999
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 8/28/2023 11:57:17 AM

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-238373-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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8/28/2023 11:57:17 AM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Job ID: 500-238373-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-238373-1

Comments
No additional comments.

Receipt
The samples were received on 8/18/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.7º C.

GC/MS VOA
Method 8260D: Acetone was detected in the following samples: 863 Daisy Circle Raw (500-238373-1) and 949 Labarge Rd Raw (500-238373-2). Acetone is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260D: The continuing calibration verification (CCVIS/CCV) associated with the following had compounds outside 20% drift for method 8260D. Where applicable, a standard was analyzed at the reporting limit (CCVL) and analyses were able to continue, as low failing compounds were detected. Any detects for these out of control compounds should be considered estimates.863 Daisy Circle Raw (500-238373-1) and 949 Labarge Rd Raw (500-238373-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Client Sample ID: 863 Daisy Circle Raw — Lab Sample ID: 500-238373-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.6	J B	10	1.7	ug/L	1		8260D	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260D	Total/NA

Client Sample ID: 949 Labarge Rd Raw — Lab Sample ID: 500-238373-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.0	J B	10	1.7	ug/L	1		8260D	Total/NA
Trichloroethene	1.8		0.50	0.16	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-238373-1	863 Daisy Circle Raw	Water	08/15/23 09:00	08/18/23 09:30
500-238373-2	949 Labarge Rd Raw	Water	08/15/23 09:15	08/18/23 09:30

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Client Sample ID: 863 Daisy Circle Raw
Date Collected: 08/15/23 09:00
Date Received: 08/18/23 09:30

Lab Sample ID: 500-238373-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.6**	**J B**	10	1.7	ug/L			08/23/23 16:00	1
Benzene	<0.15		0.50	0.15	ug/L			08/23/23 16:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/23/23 16:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/23/23 16:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/23/23 16:00	1
Bromoform	<0.48		1.0	0.48	ug/L			08/23/23 16:00	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			08/23/23 16:00	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			08/23/23 16:00	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			08/23/23 16:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/23/23 16:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/23/23 16:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/23/23 16:00	1
Chloroform	<0.37		2.0	0.37	ug/L			08/23/23 16:00	1
Chloromethane	<0.32	^c	5.0	0.32	ug/L			08/23/23 16:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/23/23 16:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/23/23 16:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/23/23 16:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/23/23 16:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/23/23 16:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/23/23 16:00	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			08/23/23 16:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/23/23 16:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/23/23 16:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/23/23 16:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/23/23 16:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/23/23 16:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/23/23 16:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/23/23 16:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/23/23 16:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/23/23 16:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/23/23 16:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/23/23 16:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/23/23 16:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/23/23 16:00	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			08/23/23 16:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/23/23 16:00	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			08/23/23 16:00	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/23/23 16:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/23/23 16:00	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			08/23/23 16:00	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			08/23/23 16:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/23/23 16:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/23/23 16:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/23/23 16:00	1
Styrene	<0.39		1.0	0.39	ug/L			08/23/23 16:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/23/23 16:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/23/23 16:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/23/23 16:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/23/23 16:00	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Client Sample ID: 863 Daisy Circle Raw
Date Collected: 08/15/23 09:00
Date Received: 08/18/23 09:30

Lab Sample ID: 500-238373-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			08/23/23 16:00	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			08/23/23 16:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/23/23 16:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/23/23 16:00	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			08/23/23 16:00	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			08/23/23 16:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/23/23 16:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/23/23 16:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/23/23 16:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/23/23 16:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/23/23 16:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/23/23 16:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/23/23 16:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/23/23 16:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/23/23 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*08/23/23 16:00*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*08/23/23 16:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*08/23/23 16:00*	*1*
Toluene-d8 (Surr)	*87*		*75 - 120*		*08/23/23 16:00*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Client Sample ID: 949 Labarge Rd Raw

Date Collected: 08/15/23 09:15
Date Received: 08/18/23 09:30

Lab Sample ID: 500-238373-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.0**	**J B**	10	1.7	ug/L			08/23/23 16:25	1
Benzene	<0.15		0.50	0.15	ug/L			08/23/23 16:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/23/23 16:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/23/23 16:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/23/23 16:25	1
Bromoform	<0.48		1.0	0.48	ug/L			08/23/23 16:25	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			08/23/23 16:25	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			08/23/23 16:25	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			08/23/23 16:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/23/23 16:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/23/23 16:25	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/23/23 16:25	1
Chloroform	<0.37		2.0	0.37	ug/L			08/23/23 16:25	1
Chloromethane	<0.32	^c	5.0	0.32	ug/L			08/23/23 16:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/23/23 16:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/23/23 16:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/23/23 16:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/23/23 16:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/23/23 16:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/23/23 16:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			08/23/23 16:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/23/23 16:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/23/23 16:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/23/23 16:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/23/23 16:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/23/23 16:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/23/23 16:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/23/23 16:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/23/23 16:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/23/23 16:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/23/23 16:25	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/23/23 16:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/23/23 16:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/23/23 16:25	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			08/23/23 16:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/23/23 16:25	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			08/23/23 16:25	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/23/23 16:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/23/23 16:25	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			08/23/23 16:25	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			08/23/23 16:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/23/23 16:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/23/23 16:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/23/23 16:25	1
Styrene	<0.39		1.0	0.39	ug/L			08/23/23 16:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/23/23 16:25	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/23/23 16:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/23/23 16:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/23/23 16:25	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Client Sample ID: 949 Labarge Rd Raw
Date Collected: 08/15/23 09:15
Date Received: 08/18/23 09:30

Lab Sample ID: 500-238373-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			08/23/23 16:25	1
Toluene	<0.15		0.50	0.15	ug/L			08/23/23 16:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/23/23 16:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/23/23 16:25	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			08/23/23 16:25	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			08/23/23 16:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/23/23 16:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/23/23 16:25	1
Trichloroethene	**1.8**		0.50	0.16	ug/L			08/23/23 16:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/23/23 16:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/23/23 16:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/23/23 16:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/23/23 16:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/23/23 16:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/23/23 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*08/23/23 16:25*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 120*		*08/23/23 16:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*75 - 126*		*08/23/23 16:25*	*1*
Toluene-d8 (Surr)	*86*		*75 - 120*		*08/23/23 16:25*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

GC/MS VOA

Analysis Batch: 728976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238373-1	863 Daisy Circle Raw	Total/NA	Water	8260D	
500-238373-2	949 Labarge Rd Raw	Total/NA	Water	8260D	
MB 500-728976/6	Method Blank	Total/NA	Water	8260D	
LCS 500-728976/4	Lab Control Sample	Total/NA	Water	8260D	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-238373-1	863 Daisy Circle Raw	105	114	118	87
500-238373-2	949 Labarge Rd Raw	104	116	122	86
LCS 500-728976/4	Lab Control Sample	98	104	102	92
MB 500-728976/6	Method Blank	103	109	108	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-728976/6
Matrix: Water
Analysis Batch: 728976

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.63	J	10	1.7	ug/L			08/23/23 10:23	1
Benzene	<0.15		0.50	0.15	ug/L			08/23/23 10:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/23/23 10:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/23/23 10:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/23/23 10:23	1
Bromoform	<0.48		1.0	0.48	ug/L			08/23/23 10:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/23/23 10:23	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/23/23 10:23	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			08/23/23 10:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/23/23 10:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/23/23 10:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/23/23 10:23	1
Chloroform	<0.37		2.0	0.37	ug/L			08/23/23 10:23	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/23/23 10:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/23/23 10:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/23/23 10:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/23/23 10:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/23/23 10:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/23/23 10:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/23/23 10:23	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			08/23/23 10:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/23/23 10:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/23/23 10:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/23/23 10:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/23/23 10:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/23/23 10:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/23/23 10:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/23/23 10:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/23/23 10:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/23/23 10:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/23/23 10:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/23/23 10:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/23/23 10:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/23/23 10:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/23/23 10:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/23/23 10:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/23/23 10:23	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/23/23 10:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/23/23 10:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/23/23 10:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/23/23 10:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/23/23 10:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/23/23 10:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/23/23 10:23	1
Styrene	<0.39		1.0	0.39	ug/L			08/23/23 10:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/23/23 10:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/23/23 10:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/23/23 10:23	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-728976/6
Matrix: Water
Analysis Batch: 728976

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/23/23 10:23	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			08/23/23 10:23	1
Toluene	<0.15		0.50	0.15	ug/L			08/23/23 10:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/23/23 10:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/23/23 10:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/23/23 10:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/23/23 10:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/23/23 10:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/23/23 10:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/23/23 10:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/23/23 10:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/23/23 10:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/23/23 10:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/23/23 10:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/23/23 10:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/23/23 10:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*08/23/23 10:23*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 120*		*08/23/23 10:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*08/23/23 10:23*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*08/23/23 10:23*	*1*

Lab Sample ID: LCS 500-728976/4
Matrix: Water
Analysis Batch: 728976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	41.2		ug/L		82	40 - 143
Benzene	50.0	43.7		ug/L		87	70 - 120
Bromobenzene	50.0	47.2		ug/L		94	70 - 122
Bromochloromethane	50.0	48.8		ug/L		98	65 - 122
Bromodichloromethane	50.0	51.5		ug/L		103	69 - 120
Bromoform	50.0	59.3		ug/L		119	56 - 132
Bromomethane	50.0	72.3		ug/L		145	40 - 152
2-Butanone (MEK)	50.0	42.5		ug/L		85	46 - 144
Carbon disulfide	50.0	47.4		ug/L		95	66 - 120
Carbon tetrachloride	50.0	57.1		ug/L		114	59 - 133
Chlorobenzene	50.0	45.0		ug/L		90	70 - 120
Chloroethane	50.0	48.7		ug/L		97	48 - 136
Chloroform	50.0	46.2		ug/L		92	70 - 120
Chloromethane	50.0	34.5		ug/L		69	56 - 152
2-Chlorotoluene	50.0	45.6		ug/L		91	70 - 125
4-Chlorotoluene	50.0	46.5		ug/L		93	68 - 124
cis-1,2-Dichloroethene	50.0	46.2		ug/L		92	70 - 125
cis-1,3-Dichloropropene	50.0	43.0		ug/L		86	64 - 127
Dibromochloromethane	50.0	55.0		ug/L		110	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	48.7		ug/L		97	56 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-728976/4
Matrix: Water
Analysis Batch: 728976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	50.0	45.5		ug/L		91	70 - 125
Dibromomethane	50.0	48.9		ug/L		98	70 - 120
1,2-Dichlorobenzene	50.0	44.7		ug/L		89	70 - 125
1,3-Dichlorobenzene	50.0	44.3		ug/L		89	70 - 125
1,4-Dichlorobenzene	50.0	44.1		ug/L		88	70 - 120
Dichlorodifluoromethane	50.0	44.3		ug/L		89	40 - 159
1,1-Dichloroethane	50.0	44.4		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	49.3		ug/L		99	68 - 127
1,1-Dichloroethene	50.0	44.8		ug/L		90	67 - 122
1,2-Dichloropropane	50.0	42.8		ug/L		86	67 - 130
1,3-Dichloropropane	50.0	44.0		ug/L		88	62 - 136
2,2-Dichloropropane	50.0	53.9		ug/L		108	58 - 139
1,1-Dichloropropene	50.0	45.4		ug/L		91	70 - 121
Ethylbenzene	50.0	43.9		ug/L		88	70 - 123
Hexachlorobutadiene	50.0	34.5		ug/L		69	51 - 150
Isopropylbenzene	50.0	44.5		ug/L		89	70 - 126
4-Isopropyltoluene	50.0	46.4		ug/L		93	70 - 125
Methylene Chloride	50.0	45.2		ug/L		90	69 - 125
Methyl tert-butyl ether	50.0	39.2		ug/L		78	55 - 123
Naphthalene	50.0	32.5		ug/L		65	53 - 144
n-Butylbenzene	50.0	43.4		ug/L		87	68 - 125
N-Propylbenzene	50.0	45.9		ug/L		92	69 - 127
sec-Butylbenzene	50.0	45.4		ug/L		91	70 - 123
Styrene	50.0	45.7		ug/L		91	70 - 120
tert-Butylbenzene	50.0	45.7		ug/L		91	70 - 121
1,1,1,2-Tetrachloroethane	50.0	49.3		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	50.0	44.2		ug/L		88	62 - 140
Tetrachloroethene	50.0	43.3		ug/L		87	70 - 128
Tetrahydrofuran	100	65.9		ug/L		66	59 - 139
Toluene	50.0	44.5		ug/L		89	70 - 125
trans-1,2-Dichloroethene	50.0	46.8		ug/L		94	70 - 125
trans-1,3-Dichloropropene	50.0	45.6		ug/L		91	62 - 128
1,2,3-Trichlorobenzene	50.0	32.7		ug/L		65	51 - 145
1,2,4-Trichlorobenzene	50.0	33.4		ug/L		67	57 - 137
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	70 - 125
1,1,2-Trichloroethane	50.0	44.2		ug/L		88	71 - 130
Trichloroethene	50.0	47.5		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	52.1		ug/L		104	55 - 128
1,2,3-Trichloropropane	50.0	46.7		ug/L		93	50 - 133
1,2,4-Trimethylbenzene	50.0	46.4		ug/L		93	70 - 123
1,3,5-Trimethylbenzene	50.0	46.9		ug/L		94	70 - 123
Vinyl chloride	50.0	42.0		ug/L		84	64 - 126
Xylenes, Total	100	90.4		ug/L		90	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane (Surr)	*104*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-728976/4
Matrix: Water
Analysis Batch: 728976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	92		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238373-1

Client Sample ID: 863 Daisy Circle Raw

Lab Sample ID: 500-238373-1

Date Collected: 08/15/23 09:00

Matrix: Water

Date Received: 08/18/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728976	W1T	EET CHI	08/23/23 16:00

Client Sample ID: 949 Labarge Rd Raw

Lab Sample ID: 500-238373-2

Date Collected: 08/15/23 09:15

Matrix: Water

Date Received: 08/18/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	728976	W1T	EET CHI	08/23/23 16:25

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-238373-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Eurofins Chicago
241 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Orion Reutzel	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-113964-46187 3
Client Contact: Mitch Evenson	Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin:	Page: Page 3 of 3
Company: Cedar Corporation	PWS ID:	Analysis Requested		Job #: 500-238373
Address: 604 Wilson Avenue	Due Date Requested:			Preservation Codes: A HCL; B NaOH; C Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H Ascorbic Acid; I Ice; J DI Water; K EDTA; L EDA; M Hexane; N None; O AsNaO2; P Na2O4S; Q Na2SO3; R Na2S2O3; S H2SO4; T TSP Dodecahydrate; U Acetone; V MCAA; W pH 4-5; Y Trizma; Z other (specify); Other:
City: Menomonie	TAT Requested (days):			
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: mitch.evenson@cedarcorp.com	WO #:			
Project Name: ~~DW PFAS~~	Project #: ~~60021200~~			
Site: Junker LF Residentials	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	~~537.1_WI_PFOA/PFOS~~ VOCs	~~537.1_WI_PFOA/PFOS~~	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	Y		
1 B63 Daisy Circle Raw	8/15/23	0900	G	Water			X			
2 949 Labarge Rd Raw	8/15/23	0915	G	Water			X			
				Water						
				Water						
				Water						
				Water						

500-238373 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	8/17/23 0900	Cedar Corp	[signature]	8/18/23 0940	EETA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No:

Cooler Temperature(s) °C and Other Remarks: 0.4 → -0.7

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-238373-1

Login Number: 238373
List Number: 1
Creator: Schmidt, Kara

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 9/11/2023 10:23:54 AM

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-238773-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

Generated
9/11/2023 10:23:54 AM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Job ID: 500-238773-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-238773-1

Comments
No additional comments.

Receipt
The samples were received on 8/29/2023 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.3º C.

GC/MS VOA
The continuing calibration verification (CCV) associated with the following had compounds outside 20% drift for method 8260D. Where applicable, a standard was analyzed at the reporting limit (CCVL) and analyses were able to continue, as low failing compounds were detected. Any detects for these out of control compounds should be considered estimates.Coal Dock WC (500-238644-1), Coal Dock WC Dup1 (500-238644-2), 41463824 (500-238725-1), 025094-0 (500-238728-1), 960 Fraser Ln Raw (500-238773-1), 816 Dove Ct Raw (500-238773-2), 816 Dove Ct DW (500-238773-3), 910 Florence Ln Raw (500-238773-4), 910 Florence Ln DW (500-238773-5), 826 Hillside Trl Raw (500-238773-6), 826 Hillside Trl DW (500-238773-7), 817 Hillside Trl Raw (500-238773-8) and 963 Florence Ln Raw (500-238773-9)

Method 8260D: Acetone was detected in the following samples: 816 Dove Ct DW (500-238773-3), 910 Florence Ln Raw (500-238773-4), 910 Florence Ln DW (500-238773-5), 826 Hillside Trl Raw (500-238773-6), 826 Hillside Trl DW (500-238773-7), 817 Hillside Trl Raw (500-238773-8) and 963 Florence Ln Raw (500-238773-9). Acetone is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260D: The laboratory control sample (LCS) for analytical batch 500-730886 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-730890 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 960 Fraser Ln Raw — Lab Sample ID: 500-238773-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.5		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 816 Dove Ct Raw — Lab Sample ID: 500-238773-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	3.1		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 816 Dove Ct DW — Lab Sample ID: 500-238773-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.8	J	10	1.7	ug/L	1		8260D	Total/NA

Client Sample ID: 910 Florence Ln Raw — Lab Sample ID: 500-238773-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.1	J B	10	1.7	ug/L	1		8260D	Total/NA
Chloromethane	0.40	J	5.0	0.32	ug/L	1		8260D	Total/NA
Toluene	0.21	J	0.50	0.15	ug/L	1		8260D	Total/NA
Trichloroethene	1.0		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 910 Florence Ln DW — Lab Sample ID: 500-238773-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.2	J B	10	1.7	ug/L	1		8260D	Total/NA

Client Sample ID: 826 Hillside Trl Raw — Lab Sample ID: 500-238773-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.7	J B	10	1.7	ug/L	1		8260D	Total/NA
Toluene	0.18	J	0.50	0.15	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.1		1.0	0.35	ug/L	1		8260D	Total/NA
Trichloroethene	2.0		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 826 Hillside Trl DW — Lab Sample ID: 500-238773-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8	J B	10	1.7	ug/L	1		8260D	Total/NA

Client Sample ID: 817 Hillside Trl Raw — Lab Sample ID: 500-238773-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.5	J B	10	1.7	ug/L	1		8260D	Total/NA
Toluene	0.20	J	0.50	0.15	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-238773-1	960 Fraser Ln Raw	Water	08/28/23 09:15	08/29/23 10:10
500-238773-2	816 Dove Ct Raw	Water	08/28/23 09:30	08/29/23 10:10
500-238773-3	816 Dove Ct DW	Water	08/28/23 09:35	08/29/23 10:10
500-238773-4	910 Florence Ln Raw	Water	08/28/23 09:45	08/29/23 10:10
500-238773-5	910 Florence Ln DW	Water	08/28/23 09:50	08/29/23 10:10
500-238773-6	826 Hillside Trl Raw	Water	08/28/23 10:00	08/29/23 10:10
500-238773-7	826 Hillside Trl DW	Water	08/28/23 10:05	08/29/23 10:10
500-238773-8	817 Hillside Trl Raw	Water	08/28/23 10:15	08/29/23 10:10

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 960 Fraser Ln Raw

Date Collected: 08/28/23 09:15
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/06/23 17:19	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 17:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 17:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 17:19	1
Bromoform	<0.48	^c	1.0	0.48	ug/L			09/06/23 17:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/06/23 17:19	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 17:19	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 17:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 17:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 17:19	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 17:19	1
Chloromethane	<0.32	^c	5.0	0.32	ug/L			09/06/23 17:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 17:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 17:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 17:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 17:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 17:19	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/06/23 17:19	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 17:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 17:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 17:19	1
1,1-Dichloroethane	<0.41	^c	1.0	0.41	ug/L			09/06/23 17:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
1,2-Dichloropropane	<0.43	^c	1.0	0.43	ug/L			09/06/23 17:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 17:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 17:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 17:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/06/23 17:19	1
Isopropylbenzene	<0.39	^c	1.0	0.39	ug/L			09/06/23 17:19	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			09/06/23 17:19	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 17:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 17:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
N-Propylbenzene	<0.41	^c	1.0	0.41	ug/L			09/06/23 17:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:19	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 17:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 17:19	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			09/06/23 17:19	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 960 Fraser Ln Raw
Date Collected: 08/28/23 09:15
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 17:19	1
Toluene	<0.15		0.50	0.15	ug/L			09/06/23 17:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 17:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 17:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/06/23 17:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 17:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 17:19	1
Trichloroethene	**1.5**		0.50	0.16	ug/L			09/06/23 17:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 17:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 17:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 17:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 17:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*	*^c*	*72 - 124*		*09/06/23 17:19*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 120*		*09/06/23 17:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 126*		*09/06/23 17:19*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*09/06/23 17:19*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 816 Dove Ct Raw

Date Collected: 08/28/23 09:30
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/06/23 17:44	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 17:44	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 17:44	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 17:44	1
Bromoform	<0.48	^c	1.0	0.48	ug/L			09/06/23 17:44	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/06/23 17:44	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 17:44	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 17:44	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 17:44	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 17:44	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 17:44	1
Chloromethane	<0.32	^c	5.0	0.32	ug/L			09/06/23 17:44	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 17:44	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 17:44	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 17:44	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 17:44	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 17:44	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/06/23 17:44	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 17:44	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 17:44	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:44	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 17:44	1
1,1-Dichloroethane	<0.41	^c	1.0	0.41	ug/L			09/06/23 17:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
1,2-Dichloropropane	<0.43	^c	1.0	0.43	ug/L			09/06/23 17:44	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 17:44	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 17:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 17:44	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/06/23 17:44	1
Isopropylbenzene	<0.39	^c	1.0	0.39	ug/L			09/06/23 17:44	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			09/06/23 17:44	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 17:44	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 17:44	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
N-Propylbenzene	<0.41	^c	1.0	0.41	ug/L			09/06/23 17:44	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:44	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:44	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 17:44	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 17:44	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			09/06/23 17:44	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 816 Dove Ct Raw
Date Collected: 08/28/23 09:30
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 17:44	1
Toluene	<0.15		0.50	0.15	ug/L			09/06/23 17:44	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 17:44	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 17:44	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/06/23 17:44	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 17:44	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 17:44	1
Trichloroethene	**3.1**		0.50	0.16	ug/L			09/06/23 17:44	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 17:44	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 17:44	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 17:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 17:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*	*^c*	*72 - 124*		*09/06/23 17:44*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*09/06/23 17:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*09/06/23 17:44*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*09/06/23 17:44*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 816 Dove Ct DW
Date Collected: 08/28/23 09:35
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.8	J	10	1.7	ug/L			09/06/23 18:09	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 18:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 18:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 18:09	1
Bromoform	<0.48	^c	1.0	0.48	ug/L			09/06/23 18:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/06/23 18:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 18:09	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 18:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 18:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 18:09	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 18:09	1
Chloromethane	<0.32	^c	5.0	0.32	ug/L			09/06/23 18:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 18:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 18:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 18:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 18:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 18:09	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/06/23 18:09	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 18:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 18:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 18:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 18:09	1
1,1-Dichloroethane	<0.41	^c	1.0	0.41	ug/L			09/06/23 18:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
1,2-Dichloropropane	<0.43	^c	1.0	0.43	ug/L			09/06/23 18:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 18:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 18:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 18:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/06/23 18:09	1
Isopropylbenzene	<0.39	^c	1.0	0.39	ug/L			09/06/23 18:09	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			09/06/23 18:09	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
Methylene Chloride	<1.6	F1	5.0	1.6	ug/L			09/06/23 18:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 18:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
N-Propylbenzene	<0.41	^c	1.0	0.41	ug/L			09/06/23 18:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 18:09	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 18:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 18:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 18:09	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			09/06/23 18:09	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 816 Dove Ct DW
Date Collected: 08/28/23 09:35
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 18:09	1
Toluene	<0.15		0.50	0.15	ug/L			09/06/23 18:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 18:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 18:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/06/23 18:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 18:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 18:09	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/06/23 18:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 18:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 18:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 18:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 18:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*	*^c*	*72 - 124*		*09/06/23 18:09*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*09/06/23 18:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*09/06/23 18:09*	*1*
Toluene-d8 (Surr)	*110*		*75 - 120*		*09/06/23 18:09*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 910 Florence Ln Raw

Date Collected: 08/28/23 09:45
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7.1**	**J B**	10	1.7	ug/L			09/06/23 15:00	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 15:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 15:00	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 15:00	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			09/06/23 15:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 15:00	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 15:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 15:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 15:00	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 15:00	1
Chloromethane	**0.40**	**J**	5.0	0.32	ug/L			09/06/23 15:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 15:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 15:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 15:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 15:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 15:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 15:00	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 15:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 15:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 15:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 15:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 15:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 15:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 15:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 15:00	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/06/23 15:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 15:00	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 15:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 15:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:00	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 15:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 15:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 15:00	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 910 Florence Ln Raw
Date Collected: 08/28/23 09:45
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 15:00	1
Toluene	**0.21**	**J**	0.50	0.15	ug/L			09/06/23 15:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 15:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 15:00	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 15:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 15:00	1
Trichloroethene	**1.0**		0.50	0.16	ug/L			09/06/23 15:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 15:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 15:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 15:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*09/06/23 15:00*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*09/06/23 15:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*09/06/23 15:00*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*09/06/23 15:00*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 910 Florence Ln DW

Date Collected: 08/28/23 09:50
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7.2**	**J B**	10	1.7	ug/L			09/06/23 15:24	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 15:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 15:24	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 15:24	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			09/06/23 15:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 15:24	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 15:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 15:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 15:24	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 15:24	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/06/23 15:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 15:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 15:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 15:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 15:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 15:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 15:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 15:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 15:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 15:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 15:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 15:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 15:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 15:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 15:24	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/06/23 15:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 15:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 15:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 15:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:24	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 15:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 15:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 15:24	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 910 Florence Ln DW

Date Collected: 08/28/23 09:50
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 15:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 15:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 15:24	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 15:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 15:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/06/23 15:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 15:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 15:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 15:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*09/06/23 15:24*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*09/06/23 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*09/06/23 15:24*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*09/06/23 15:24*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			09/08/23 21:08	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 826 Hillside Trl Raw
Date Collected: 08/28/23 10:00
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.7	J B	10	1.7	ug/L			09/06/23 15:48	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 15:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 15:48	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 15:48	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			09/06/23 15:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 15:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 15:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 15:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 15:48	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 15:48	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/06/23 15:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 15:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 15:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 15:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 15:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 15:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 15:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 15:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 15:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 15:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 15:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 15:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 15:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 15:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 15:48	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/06/23 15:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 15:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 15:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 15:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:48	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 15:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 15:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 15:48	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 826 Hillside Trl Raw
Date Collected: 08/28/23 10:00
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 15:48	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			09/06/23 15:48	1
trans-1,2-Dichloroethene	**1.1**		1.0	0.35	ug/L			09/06/23 15:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 15:48	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 15:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 15:48	1
Trichloroethene	**2.0**		0.50	0.16	ug/L			09/06/23 15:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 15:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 15:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 15:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*09/06/23 15:48*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*09/06/23 15:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*09/06/23 15:48*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/06/23 15:48*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 826 Hillside Trl DW

Date Collected: 08/28/23 10:05
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.8**	**J B**	10	1.7	ug/L			09/06/23 16:13	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 16:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 16:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 16:13	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 16:13	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			09/06/23 16:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 16:13	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 16:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 16:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 16:13	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 16:13	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/06/23 16:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 16:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 16:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 16:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 16:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 16:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 16:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 16:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 16:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 16:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 16:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 16:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 16:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 16:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 16:13	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/06/23 16:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 16:13	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 16:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 16:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 16:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:13	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 16:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 16:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 16:13	1

Client Sample ID: 826 Hillside Trl DW

Lab Sample ID: 500-238773-7

Date Collected: 08/28/23 10:05

Matrix: Water

Date Received: 08/29/23 10:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 16:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 16:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 16:13	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/06/23 16:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 16:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 16:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/06/23 16:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 16:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 16:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 16:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 16:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*09/06/23 16:13*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*09/06/23 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*09/06/23 16:13*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/06/23 16:13*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			09/08/23 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*	*^c*	*72 - 124*		*09/08/23 21:33*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 120*		*09/08/23 21:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*09/08/23 21:33*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*09/08/23 21:33*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 817 Hillside Trl Raw
Date Collected: 08/28/23 10:15
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**8.5**	**J B**	10	1.7	ug/L			09/06/23 16:37	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 16:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 16:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 16:37	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 16:37	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			09/06/23 16:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 16:37	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 16:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 16:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 16:37	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 16:37	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/06/23 16:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 16:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 16:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 16:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 16:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 16:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 16:37	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 16:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 16:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 16:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 16:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 16:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 16:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 16:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 16:37	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/06/23 16:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 16:37	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 16:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 16:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 16:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:37	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 16:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 16:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 16:37	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 817 Hillside Trl Raw
Date Collected: 08/28/23 10:15
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 16:37	1
Toluene	**0.20**	**J**	0.50	0.15	ug/L			09/06/23 16:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 16:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 16:37	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/06/23 16:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 16:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 16:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/06/23 16:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 16:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 16:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 16:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 16:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*09/06/23 16:37*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*09/06/23 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*09/06/23 16:37*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*09/06/23 16:37*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

GC/MS VOA

Analysis Batch: 730886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238773-4	910 Florence Ln Raw	Total/NA	Water	8260D	
500-238773-5	910 Florence Ln DW	Total/NA	Water	8260D	
500-238773-6	826 Hillside Trl Raw	Total/NA	Water	8260D	
500-238773-7	826 Hillside Trl DW	Total/NA	Water	8260D	
500-238773-8	817 Hillside Trl Raw	Total/NA	Water	8260D	
MB 500-730886/6	Method Blank	Total/NA	Water	8260D	
LCS 500-730886/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 730890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238773-1	960 Fraser Ln Raw	Total/NA	Water	8260D	
500-238773-2	816 Dove Ct Raw	Total/NA	Water	8260D	
500-238773-3	816 Dove Ct DW	Total/NA	Water	8260D	
MB 500-730890/6	Method Blank	Total/NA	Water	8260D	
LCS 500-730890/4	Lab Control Sample	Total/NA	Water	8260D	
500-238773-3 MS	816 Dove Ct DW	Total/NA	Water	8260D	
500-238773-3 MSD	816 Dove Ct DW	Total/NA	Water	8260D	

Analysis Batch: 731431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-238773-5 - RA	910 Florence Ln DW	Total/NA	Water	8260D	
500-238773-7 - RA	826 Hillside Trl DW	Total/NA	Water	8260D	
MB 500-731431/6 - RA	Method Blank	Total/NA	Water	8260D	
LCS 500-731431/4 - RA	Lab Control Sample	Total/NA	Water	8260D	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-238773-1	960 Fraser Ln Raw	115 ^c	111	117	104
500-238773-2	816 Dove Ct Raw	114 ^c	103	118	107
500-238773-3	816 Dove Ct DW	116 ^c	101	113	110
500-238773-3 MS	816 Dove Ct DW	111	96	107	111
500-238773-3 MSD	816 Dove Ct DW	116	102	108	107
500-238773-4	910 Florence Ln Raw	114	108	113	89
500-238773-5	910 Florence Ln DW	115	108	111	89
500-238773-6	826 Hillside Trl Raw	115	107	112	90
500-238773-7	826 Hillside Trl DW	111	106	110	90
500-238773-7 - RA	826 Hillside Trl DW	85 ^c	113	104	99
500-238773-8	817 Hillside Trl Raw	110	108	111	89
LCS 500-730886/4 LCS	Lab Control Sample	106	100	102	93
500-730890/4 LCS	Lab Control Sample	109	99	108	109
500-731431/4 - RA MB	Lab Control Sample	102	89	83	114
500-730886/6	Method Blank	111	102	106	90
MB 500-730890/6	Method Blank	117	98	108	107
MB 500-731431/6 - RA	Method Blank	90	104	99	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-730886/6
Matrix: Water
Analysis Batch: 730886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.16	J	10	1.7	ug/L			09/06/23 10:48	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 10:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 10:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 10:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 10:48	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 10:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/06/23 10:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 10:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 10:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 10:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 10:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 10:48	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 10:48	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/06/23 10:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 10:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 10:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 10:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 10:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 10:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 10:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 10:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 10:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 10:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 10:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 10:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 10:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 10:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 10:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 10:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 10:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 10:48	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 10:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 10:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 10:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/06/23 10:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 10:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 10:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 10:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 10:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 10:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/06/23 10:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 10:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 10:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 10:48	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 10:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 10:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 10:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 10:48	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-730886/6
Matrix: Water
Analysis Batch: 730886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 10:48	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 10:48	1
Toluene	<0.15		0.50	0.15	ug/L			09/06/23 10:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 10:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 10:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/06/23 10:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/06/23 10:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 10:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 10:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/06/23 10:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 10:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 10:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 10:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 10:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 10:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*09/06/23 10:48*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*09/06/23 10:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*09/06/23 10:48*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/06/23 10:48*	*1*

Lab Sample ID: LCS 500-730886/4
Matrix: Water
Analysis Batch: 730886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	41.8		ug/L		84	40 - 143
Benzene	50.0	46.5		ug/L		93	70 - 120
Bromobenzene	50.0	49.9		ug/L		100	70 - 122
Bromochloromethane	50.0	47.8		ug/L		96	65 - 122
Bromodichloromethane	50.0	51.3		ug/L		103	69 - 120
Bromoform	50.0	57.7		ug/L		115	56 - 132
Bromomethane	50.0	76.9	*	ug/L		154	40 - 152
2-Butanone (MEK)	50.0	46.8		ug/L		94	46 - 144
Carbon disulfide	50.0	50.1		ug/L		100	66 - 120
Carbon tetrachloride	50.0	53.6		ug/L		107	59 - 133
Chlorobenzene	50.0	46.5		ug/L		93	70 - 120
Chloroethane	50.0	56.9		ug/L		114	48 - 136
Chloroform	50.0	46.5		ug/L		93	70 - 120
Chloromethane	50.0	54.4		ug/L		109	56 - 152
2-Chlorotoluene	50.0	50.4		ug/L		101	70 - 125
4-Chlorotoluene	50.0	51.6		ug/L		103	68 - 124
cis-1,2-Dichloroethene	50.0	47.3		ug/L		95	70 - 125
cis-1,3-Dichloropropene	50.0	47.0		ug/L		94	64 - 127
Dibromochloromethane	50.0	55.1		ug/L		110	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	52.6		ug/L		105	56 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-730886/4
Matrix: Water
Analysis Batch: 730886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	50.0	47.8		ug/L		96	70 - 125
Dibromomethane	50.0	49.2		ug/L		98	70 - 120
1,2-Dichlorobenzene	50.0	46.0		ug/L		92	70 - 125
1,3-Dichlorobenzene	50.0	45.9		ug/L		92	70 - 125
1,4-Dichlorobenzene	50.0	46.1		ug/L		92	70 - 120
Dichlorodifluoromethane	50.0	52.9		ug/L		106	40 - 159
1,1-Dichloroethane	50.0	49.4		ug/L		99	70 - 125
1,2-Dichloroethane	50.0	50.7		ug/L		101	68 - 127
1,1-Dichloroethene	50.0	45.1		ug/L		90	67 - 122
1,2-Dichloropropane	50.0	48.9		ug/L		98	67 - 130
1,3-Dichloropropane	50.0	48.3		ug/L		97	62 - 136
2,2-Dichloropropane	50.0	51.7		ug/L		103	58 - 139
1,1-Dichloropropene	50.0	47.9		ug/L		96	70 - 121
Ethylbenzene	50.0	46.3		ug/L		93	70 - 123
Hexachlorobutadiene	50.0	31.4		ug/L		63	51 - 150
Isopropylbenzene	50.0	48.6		ug/L		97	70 - 126
4-Isopropyltoluene	50.0	48.1		ug/L		96	70 - 125
Methylene Chloride	50.0	48.0		ug/L		96	69 - 125
Methyl tert-butyl ether	50.0	42.1		ug/L		84	55 - 123
Naphthalene	50.0	37.0		ug/L		74	53 - 144
n-Butylbenzene	50.0	45.4		ug/L		91	68 - 125
N-Propylbenzene	50.0	50.9		ug/L		102	69 - 127
sec-Butylbenzene	50.0	47.3		ug/L		95	70 - 123
Styrene	50.0	48.4		ug/L		97	70 - 120
tert-Butylbenzene	50.0	47.8		ug/L		96	70 - 121
1,1,1,2-Tetrachloroethane	50.0	48.2		ug/L		96	70 - 125
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/L		102	62 - 140
Tetrachloroethene	50.0	41.7		ug/L		83	70 - 128
Tetrahydrofuran	100	89.8		ug/L		90	59 - 139
Toluene	50.0	47.1		ug/L		94	70 - 125
trans-1,2-Dichloroethene	50.0	46.8		ug/L		94	70 - 125
trans-1,3-Dichloropropene	50.0	48.8		ug/L		98	62 - 128
1,2,3-Trichlorobenzene	50.0	35.4		ug/L		71	51 - 145
1,2,4-Trichlorobenzene	50.0	34.9		ug/L		70	57 - 137
1,1,1-Trichloroethane	50.0	48.2		ug/L		96	70 - 125
1,1,2-Trichloroethane	50.0	45.7		ug/L		91	71 - 130
Trichloroethene	50.0	46.9		ug/L		94	70 - 125
Trichlorofluoromethane	50.0	48.6		ug/L		97	55 - 128
1,2,3-Trichloropropane	50.0	52.3		ug/L		105	50 - 133
1,2,4-Trimethylbenzene	50.0	49.6		ug/L		99	70 - 123
1,3,5-Trimethylbenzene	50.0	49.8		ug/L		100	70 - 123
Vinyl chloride	50.0	52.3		ug/L		105	64 - 126
Xylenes, Total	100	95.4		ug/L		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-730886/4
Matrix: Water
Analysis Batch: 730886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	93		75 - 120

Lab Sample ID: MB 500-730890/6
Matrix: Water
Analysis Batch: 730890

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/06/23 10:43	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 10:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 10:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 10:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 10:43	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 10:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/06/23 10:43	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 10:43	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 10:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 10:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 10:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 10:43	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 10:43	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/06/23 10:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 10:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 10:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 10:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 10:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 10:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 10:43	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 10:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 10:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 10:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 10:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 10:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 10:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 10:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 10:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 10:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 10:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 10:43	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 10:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 10:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 10:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/06/23 10:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 10:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 10:43	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 10:43	1
Methylene Chloride	3.19	J	5.0	1.6	ug/L			09/06/23 10:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 10:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/06/23 10:43	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-730890/6
Matrix: Water
Analysis Batch: 730890

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 10:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 10:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 10:43	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 10:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 10:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 10:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 10:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 10:43	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 10:43	1
Toluene	<0.15		0.50	0.15	ug/L			09/06/23 10:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 10:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 10:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/06/23 10:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/06/23 10:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 10:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 10:43	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/06/23 10:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 10:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 10:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 10:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 10:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 10:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*09/06/23 10:43*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*09/06/23 10:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*09/06/23 10:43*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*09/06/23 10:43*	*1*

Lab Sample ID: LCS 500-730890/4
Matrix: Water
Analysis Batch: 730890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	59.4		ug/L		119	40 - 143
Benzene	50.0	49.2		ug/L		98	70 - 120
Bromobenzene	50.0	56.8		ug/L		114	70 - 122
Bromochloromethane	50.0	47.6		ug/L		95	65 - 122
Bromodichloromethane	50.0	50.4		ug/L		101	69 - 120
Bromoform	50.0	41.6		ug/L		83	56 - 132
Bromomethane	50.0	54.9		ug/L		110	40 - 152
2-Butanone (MEK)	50.0	59.1		ug/L		118	46 - 144
Carbon disulfide	50.0	48.2		ug/L		96	66 - 120
Carbon tetrachloride	50.0	52.7		ug/L		105	59 - 133
Chlorobenzene	50.0	53.7		ug/L		107	70 - 120
Chloroethane	50.0	50.0		ug/L		100	48 - 136
Chloroform	50.0	47.5		ug/L		95	70 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-730890/4
Matrix: Water
Analysis Batch: 730890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	50.0	72.3		ug/L		145	56 - 152
2-Chlorotoluene	50.0	54.0		ug/L		108	70 - 125
4-Chlorotoluene	50.0	55.5		ug/L		111	68 - 124
cis-1,2-Dichloroethene	50.0	48.3		ug/L		97	70 - 125
cis-1,3-Dichloropropene	50.0	56.3		ug/L		113	64 - 127
Dibromochloromethane	50.0	52.5		ug/L		105	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	38.2		ug/L		76	56 - 123
1,2-Dibromoethane (EDB)	50.0	54.1		ug/L		108	70 - 125
Dibromomethane	50.0	53.0		ug/L		106	70 - 120
1,2-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 125
1,3-Dichlorobenzene	50.0	51.8		ug/L		104	70 - 125
1,4-Dichlorobenzene	50.0	51.9		ug/L		104	70 - 120
Dichlorodifluoromethane	50.0	51.7		ug/L		103	40 - 159
1,1-Dichloroethane	50.0	57.5		ug/L		115	70 - 125
1,2-Dichloroethane	50.0	60.6		ug/L		121	68 - 127
1,1-Dichloroethene	50.0	48.1		ug/L		96	67 - 122
1,2-Dichloropropane	50.0	61.9		ug/L		124	67 - 130
1,3-Dichloropropane	50.0	58.7		ug/L		117	62 - 136
2,2-Dichloropropane	50.0	46.8		ug/L		94	58 - 139
1,1-Dichloropropene	50.0	51.7		ug/L		103	70 - 121
Ethylbenzene	50.0	47.4		ug/L		95	70 - 123
Hexachlorobutadiene	50.0	45.3		ug/L		91	51 - 150
Isopropylbenzene	50.0	54.2		ug/L		108	70 - 126
4-Isopropyltoluene	50.0	52.1		ug/L		104	70 - 125
Methylene Chloride	50.0	52.2		ug/L		104	69 - 125
Methyl tert-butyl ether	50.0	47.1		ug/L		94	55 - 123
Naphthalene	50.0	35.2		ug/L		70	53 - 144
n-Butylbenzene	50.0	48.7		ug/L		97	68 - 125
N-Propylbenzene	50.0	55.0		ug/L		110	69 - 127
sec-Butylbenzene	50.0	52.3		ug/L		105	70 - 123
Styrene	50.0	49.1		ug/L		98	70 - 120
tert-Butylbenzene	50.0	52.5		ug/L		105	70 - 121
1,1,1,2-Tetrachloroethane	50.0	50.1		ug/L		100	70 - 125
1,1,2,2-Tetrachloroethane	50.0	52.7		ug/L		105	62 - 140
Tetrachloroethene	50.0	55.4		ug/L		111	70 - 128
Tetrahydrofuran	100	116		ug/L		116	59 - 139
Toluene	50.0	54.0		ug/L		108	70 - 125
trans-1,2-Dichloroethene	50.0	50.8		ug/L		102	70 - 125
trans-1,3-Dichloropropene	50.0	52.3		ug/L		105	62 - 128
1,2,3-Trichlorobenzene	50.0	42.4		ug/L		85	51 - 145
1,2,4-Trichlorobenzene	50.0	42.3		ug/L		85	57 - 137
1,1,1-Trichloroethane	50.0	49.6		ug/L		99	70 - 125
1,1,2-Trichloroethane	50.0	58.1		ug/L		116	71 - 130
Trichloroethene	50.0	50.0		ug/L		100	70 - 125
Trichlorofluoromethane	50.0	50.4		ug/L		101	55 - 128
1,2,3-Trichloropropane	50.0	55.2		ug/L		110	50 - 133
1,2,4-Trimethylbenzene	50.0	51.4		ug/L		103	70 - 123
1,3,5-Trimethylbenzene	50.0	53.4		ug/L		107	70 - 123
Vinyl chloride	50.0	53.0		ug/L		106	64 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-730890/4
Matrix: Water
Analysis Batch: 730890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			100	92.8		ug/L		93	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*
Toluene-d8 (Surr)	*109*		*75 - 120*

Lab Sample ID: 500-238773-3 MS
Matrix: Water
Analysis Batch: 730890

Client Sample ID: 816 Dove Ct DW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone	6.8	J	50.0	57.8		ug/L		102	40 - 143		
Benzene	<0.15		50.0	50.3		ug/L		101	70 - 120		
Bromobenzene	<0.36		50.0	60.6		ug/L		121	70 - 122		
Bromochloromethane	<0.43		50.0	47.0		ug/L		94	65 - 122		
Bromodichloromethane	<0.37		50.0	52.2		ug/L		104	69 - 120		
Bromoform	<0.48	^c	50.0	42.3		ug/L		85	56 - 132		
Bromomethane	<0.80		50.0	63.1		ug/L		126	40 - 152		
2-Butanone (MEK)	<2.1		50.0	59.9		ug/L		120	46 - 144		
Carbon disulfide	<0.45		50.0	49.4		ug/L		99	66 - 120		
Carbon tetrachloride	<0.38		50.0	53.2		ug/L		106	59 - 133		
Chlorobenzene	<0.39		50.0	54.5		ug/L		109	70 - 120		
Chloroethane	<0.51		50.0	54.7		ug/L		109	48 - 136		
Chloroform	<0.37		50.0	47.2		ug/L		94	70 - 120		
Chloromethane	<0.32	^c	50.0	72.4		ug/L		145	56 - 152		
2-Chlorotoluene	<0.31		50.0	57.1		ug/L		114	70 - 125		
4-Chlorotoluene	<0.35		50.0	58.3		ug/L		117	68 - 124		
cis-1,2-Dichloroethene	<0.41		50.0	49.1		ug/L		98	70 - 125		
cis-1,3-Dichloropropene	<0.42		50.0	58.8		ug/L		118	64 - 127		
Dibromochloromethane	<0.49		50.0	56.1		ug/L		112	68 - 125		
1,2-Dibromo-3-Chloropropane	<2.0	^c	50.0	46.3		ug/L		93	56 - 123		
1,2-Dibromoethane (EDB)	<0.39		50.0	57.9		ug/L		116	70 - 125		
Dibromomethane	<0.27		50.0	55.2		ug/L		110	70 - 120		
1,2-Dichlorobenzene	<0.33		50.0	53.8		ug/L		108	70 - 125		
1,3-Dichlorobenzene	<0.40		50.0	53.7		ug/L		107	70 - 125		
1,4-Dichlorobenzene	<0.36		50.0	52.4		ug/L		105	70 - 120		
Dichlorodifluoromethane	<0.67		50.0	52.7		ug/L		105	40 - 159		
1,1-Dichloroethane	<0.41	^c	50.0	58.4		ug/L		117	70 - 125		
1,2-Dichloroethane	<0.39		50.0	60.9		ug/L		122	68 - 127		
1,1-Dichloroethene	<0.39		50.0	50.1		ug/L		100	67 - 122		
1,2-Dichloropropane	<0.43	^c	50.0	64.1		ug/L		128	67 - 130		
1,3-Dichloropropane	<0.36		50.0	62.1		ug/L		124	62 - 136		
2,2-Dichloropropane	<0.44		50.0	47.2		ug/L		94	58 - 139		
1,1-Dichloropropene	<0.30		50.0	52.0		ug/L		104	70 - 121		
Ethylbenzene	<0.18		50.0	49.1		ug/L		98	70 - 123		
Hexachlorobutadiene	<0.45		50.0	50.0		ug/L		100	51 - 150		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-238773-3 MS
Matrix: Water
Analysis Batch: 730890

Client Sample ID: 816 Dove Ct DW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Isopropylbenzene	<0.39	^c	50.0	59.4		ug/L		119	70 - 126
4-Isopropyltoluene	<0.36		50.0	54.4		ug/L		109	70 - 125
Methylene Chloride	<1.6	F1	50.0	64.0	F1	ug/L		128	69 - 125
Methyl tert-butyl ether	<0.39		50.0	47.5		ug/L		95	55 - 123
Naphthalene	<0.34	^c	50.0	47.0		ug/L		94	53 - 144
n-Butylbenzene	<0.39		50.0	48.9		ug/L		98	68 - 125
N-Propylbenzene	<0.41	^c	50.0	59.7		ug/L		119	69 - 127
sec-Butylbenzene	<0.40		50.0	55.9		ug/L		112	70 - 123
Styrene	<0.39		50.0	48.5		ug/L		97	70 - 120
tert-Butylbenzene	<0.40		50.0	56.4		ug/L		113	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	52.4		ug/L		105	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	59.1		ug/L		118	62 - 140
Tetrachloroethene	<0.37	^c	50.0	57.2		ug/L		114	70 - 128
Tetrahydrofuran	<1.9		100	121		ug/L		121	59 - 139
Toluene	<0.15		50.0	56.5		ug/L		113	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	50.4		ug/L		101	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	56.3		ug/L		113	62 - 128
1,2,3-Trichlorobenzene	<0.46	^c	50.0	49.0		ug/L		98	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	48.0		ug/L		96	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	51.8		ug/L		104	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	60.3		ug/L		121	71 - 130
Trichloroethene	<0.16		50.0	51.4		ug/L		103	70 - 125
Trichlorofluoromethane	<0.43		50.0	49.8		ug/L		100	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	59.8		ug/L		120	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	54.3		ug/L		109	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	56.2		ug/L		112	70 - 123
Vinyl chloride	<0.20		50.0	54.2		ug/L		108	64 - 126
Xylenes, Total	<0.22		100	94.7		ug/L		95	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*
Toluene-d8 (Surr)	*111*		*75 - 120*

Lab Sample ID: 500-238773-3 MSD
Matrix: Water
Analysis Batch: 730890

Client Sample ID: 816 Dove Ct DW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	6.8	J	50.0	68.5		ug/L		124	40 - 143	17	20
Benzene	<0.15		50.0	51.0		ug/L		102	70 - 120	1	20
Bromobenzene	<0.36		50.0	58.3		ug/L		117	70 - 122	4	20
Bromochloromethane	<0.43		50.0	49.3		ug/L		99	65 - 122	5	20
Bromodichloromethane	<0.37		50.0	52.1		ug/L		104	69 - 120	0	20
Bromoform	<0.48	^c	50.0	41.9		ug/L		84	56 - 132	1	20
Bromomethane	<0.80		50.0	65.4		ug/L		131	40 - 152	4	20
2-Butanone (MEK)	<2.1		50.0	61.8		ug/L		124	46 - 144	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-238773-3 MSD
Matrix: Water
Analysis Batch: 730890

Client Sample ID: 816 Dove Ct DW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide	<0.45		50.0	50.7		ug/L		101	66 - 120	3	20
Carbon tetrachloride	<0.38		50.0	54.6		ug/L		109	59 - 133	3	20
Chlorobenzene	<0.39		50.0	54.9		ug/L		110	70 - 120	1	20
Chloroethane	<0.51		50.0	56.7		ug/L		113	48 - 136	3	20
Chloroform	<0.37		50.0	50.4		ug/L		101	70 - 120	7	20
Chloromethane	<0.32	^c	50.0	72.8		ug/L		146	56 - 152	1	20
2-Chlorotoluene	<0.31		50.0	56.4		ug/L		113	70 - 125	1	20
4-Chlorotoluene	<0.35		50.0	57.5		ug/L		115	68 - 124	1	20
cis-1,2-Dichloroethene	<0.41		50.0	48.9		ug/L		98	70 - 125	0	20
cis-1,3-Dichloropropene	<0.42		50.0	55.3		ug/L		111	64 - 127	6	20
Dibromochloromethane	<0.49		50.0	53.3		ug/L		107	68 - 125	5	20
1,2-Dibromo-3-Chloropropane	<2.0	^c	50.0	44.6		ug/L		89	56 - 123	4	20
1,2-Dibromoethane (EDB)	<0.39		50.0	55.5		ug/L		111	70 - 125	4	20
Dibromomethane	<0.27		50.0	52.1		ug/L		104	70 - 120	6	20
1,2-Dichlorobenzene	<0.33		50.0	51.2		ug/L		102	70 - 125	5	20
1,3-Dichlorobenzene	<0.40		50.0	52.8		ug/L		106	70 - 125	2	20
1,4-Dichlorobenzene	<0.36		50.0	51.7		ug/L		103	70 - 120	1	20
Dichlorodifluoromethane	<0.67		50.0	53.0		ug/L		106	40 - 159	1	20
1,1-Dichloroethane	<0.41	^c	50.0	60.8		ug/L		122	70 - 125	4	20
1,2-Dichloroethane	<0.39		50.0	61.3		ug/L		123	68 - 127	1	20
1,1-Dichloroethene	<0.39		50.0	51.5		ug/L		103	67 - 122	3	20
1,2-Dichloropropane	<0.43	^c	50.0	63.0		ug/L		126	67 - 130	2	20
1,3-Dichloropropane	<0.36		50.0	60.7		ug/L		121	62 - 136	2	20
2,2-Dichloropropane	<0.44		50.0	47.1		ug/L		94	58 - 139	0	20
1,1-Dichloropropene	<0.30		50.0	55.2		ug/L		110	70 - 121	6	20
Ethylbenzene	<0.18		50.0	48.7		ug/L		97	70 - 123	1	20
Hexachlorobutadiene	<0.45		50.0	45.8		ug/L		92	51 - 150	9	20
Isopropylbenzene	<0.39	^c	50.0	57.6		ug/L		115	70 - 126	3	20
4-Isopropyltoluene	<0.36		50.0	53.0		ug/L		106	70 - 125	3	20
Methylene Chloride	<1.6	F1	50.0	65.9	F1	ug/L		132	69 - 125	3	20
Methyl tert-butyl ether	<0.39		50.0	48.8		ug/L		98	55 - 123	3	20
Naphthalene	<0.34	^c	50.0	42.6		ug/L		85	53 - 144	10	20
n-Butylbenzene	<0.39		50.0	48.2		ug/L		96	68 - 125	1	20
N-Propylbenzene	<0.41	^c	50.0	59.2		ug/L		118	69 - 127	1	20
sec-Butylbenzene	<0.40		50.0	54.4		ug/L		109	70 - 123	3	20
Styrene	<0.39		50.0	48.8		ug/L		98	70 - 120	1	20
tert-Butylbenzene	<0.40		50.0	54.7		ug/L		109	70 - 121	3	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	51.0		ug/L		102	70 - 125	3	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	57.4		ug/L		115	62 - 140	3	20
Tetrachloroethene	<0.37	^c	50.0	55.8		ug/L		112	70 - 128	2	20
Tetrahydrofuran	<1.9		100	127		ug/L		127	59 - 139	5	20
Toluene	<0.15		50.0	54.0		ug/L		108	70 - 125	5	20
trans-1,2-Dichloroethene	<0.35		50.0	53.2		ug/L		106	70 - 125	5	20
trans-1,3-Dichloropropene	<0.36		50.0	54.9		ug/L		110	62 - 128	2	20
1,2,3-Trichlorobenzene	<0.46	^c	50.0	45.4		ug/L		91	51 - 145	8	20
1,2,4-Trichlorobenzene	<0.34		50.0	43.9		ug/L		88	57 - 137	9	20
1,1,1-Trichloroethane	<0.38		50.0	51.6		ug/L		103	70 - 125	0	20
1,1,2-Trichloroethane	<0.35		50.0	59.4		ug/L		119	71 - 130	2	20
Trichloroethene	<0.16		50.0	50.9		ug/L		102	70 - 125	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-238773-3 MSD
Matrix: Water
Analysis Batch: 730890

Client Sample ID: 816 Dove Ct DW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichlorofluoromethane	<0.43		50.0	52.7		ug/L		105	55 - 128	6	20
1,2,3-Trichloropropane	<0.41		50.0	61.2		ug/L		122	50 - 133	2	20
1,2,4-Trimethylbenzene	<0.36		50.0	53.4		ug/L		107	70 - 123	2	20
1,3,5-Trimethylbenzene	<0.25		50.0	54.6		ug/L		109	70 - 123	3	20
Vinyl chloride	<0.20		50.0	55.0		ug/L		110	64 - 126	2	20
Xylenes, Total	<0.22		100	93.7		ug/L		94	70 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*
Toluene-d8 (Surr)	*107*		*75 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS - RA

Lab Sample ID: MB 500-731431/6
Matrix: Water
Analysis Batch: 731431

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene - RA	<0.15		0.50	0.15	ug/L			09/08/23 13:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr) - RA	*90*		*72 - 124*		*09/08/23 13:23*	*1*
Dibromofluoromethane (Surr) - RA	*104*		*75 - 120*		*09/08/23 13:23*	*1*
1,2-Dichloroethane-d4 (Surr) - RA	*99*		*75 - 126*		*09/08/23 13:23*	*1*
Toluene-d8 (Surr) - RA	*98*		*75 - 120*		*09/08/23 13:23*	*1*

Lab Sample ID: LCS 500-731431/4
Matrix: Water
Analysis Batch: 731431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Toluene - RA			50.0	59.5		ug/L		119	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr) - RA	*102*		*72 - 124*
Dibromofluoromethane (Surr) - RA	*89*		*75 - 120*
1,2-Dichloroethane-d4 (Surr) - RA	*83*		*75 - 126*
Toluene-d8 (Surr) - RA	*114*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 960 Fraser Ln Raw
Lab Sample ID: 500-238773-1
Date Collected: 08/28/23 09:15
Matrix: Water
Date Received: 08/29/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	730890	W1T	EET CHI	09/06/23 17:19

Client Sample ID: 816 Dove Ct Raw
Lab Sample ID: 500-238773-2
Date Collected: 08/28/23 09:30
Matrix: Water
Date Received: 08/29/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	730890	W1T	EET CHI	09/06/23 17:44

Client Sample ID: 816 Dove Ct DW
Lab Sample ID: 500-238773-3
Date Collected: 08/28/23 09:35
Matrix: Water
Date Received: 08/29/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	730890	W1T	EET CHI	09/06/23 18:09

Client Sample ID: 910 Florence Ln Raw
Lab Sample ID: 500-238773-4
Date Collected: 08/28/23 09:45
Matrix: Water
Date Received: 08/29/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	730886	W1T	EET CHI	09/06/23 15:00

Client Sample ID: 910 Florence Ln DW
Lab Sample ID: 500-238773-5
Date Collected: 08/28/23 09:50
Matrix: Water
Date Received: 08/29/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	730886	W1T	EET CHI	09/06/23 15:24
Total/NA	Analysis	8260D	RA	1	731431	W1T	EET CHI	09/08/23 21:08

Client Sample ID: 826 Hillside Trl Raw
Lab Sample ID: 500-238773-6
Date Collected: 08/28/23 10:00
Matrix: Water
Date Received: 08/29/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	730886	W1T	EET CHI	09/06/23 15:48

Client Sample ID: 826 Hillside Trl DW
Lab Sample ID: 500-238773-7
Date Collected: 08/28/23 10:05
Matrix: Water
Date Received: 08/29/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	730886	W1T	EET CHI	09/06/23 16:13
Total/NA	Analysis	8260D	RA	1	731431	W1T	EET CHI	09/08/23 21:33

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 817 Hillside Trl Raw

Date Collected: 08/28/23 10:15
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	730886	W1T	EET CHI	09/06/23 16:37

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-238773-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708 534-5211

Chain of Custody Record

eurofins

500-238773 COC

Client Information	Sampler: RMS	Lab PM: Fredrick Sandie	COC No.: 500-113964-46187 2
Client Contact: Mitch Evenson	Phone:	E Mail: Sandra Fredrick@et.eurofinsus com	Page: Page 2 of 3
Company: Cedar Corporation	PWSID:	Analysis Requ...	Job #: 500-238773
Address: 604 Wilson Avenue	Due Date Requested:		
City: Menomonie	TAT Requested (days):		
State Zip: WI 54751	Compliance Project: Δ Yes Δ No		
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required		
Email: mitch evenson@cedarcorp com	WO #:		
Project Name: ~~DW PFAS~~ Junker LF Residentials	Project #: ~~500-21260~~		
Site:	SSOW#:		

Preservation Codes

A HCL	M Hexane
B NaOH	N None
C Zn Acetate	O AsNaO2
D Nitric Acid	P Na2O4S
E NaHSO4	Q Na2SO3
F MeOH	R Na2S2O3
G Amchlo	S H2SO4
H Ascorb Acid	T TSP Dodecahydrate
I Ice	U Acetone
J DI Water	V MCAA
K EDTA	W pH 4-5
L EDA	Y Trizma
	Z other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	~~537_WL_PFCA/PFSA~~	~~537_WL_PFCA/PFSA~~	VOCs	Total Number of containers	Special Instructions/Note
				Preservation Code:				N	Y			
1	960 Fraser Ln Raw	8/28/23	0915	G	Water					X		
2	816 Dove Ct Raw		0930		Water							
3	816 Dove Ct DW		0935		Water							
4	910 Florence Ln Raw		0945		Water							
5	910 Florence Ln DW		0950		Water							
6	826 Hillside Trl Raw		1000		Water							
7	826 Hillside Trl DW		1005		Water							
8	817 Hillside Trl Raw		1015		Water							
9	963 Florence Ln Raw	↓	1030	↓	Water					↓		
					Water							
					Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	8/28/23 1300	Cedar Corp	Stephanie Hernandez	8/29/23 1010	EEIA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No: | Cooler Temperature(s) °C and Other Remarks: 1.4+0.3

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-238773-1

Login Number: 238773
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 9/20/2023 10:19:32 AM

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-239119-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
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Case Narrative

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Job ID: 500-239119-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-239119-1

Receipt
The samples were received on 09/06/23 10:05. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.8º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 929 Labarge Rd Raw — Lab Sample ID: 500-239119-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	6.0	J	50	3.2	ug/L	10		8260D	Total/NA

Client Sample ID: 929 Labarge Rd DW — Lab Sample ID: 500-239119-2

No Detections.

Client Sample ID: 790 Holden Ln Raw — Lab Sample ID: 500-239119-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.90		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 807 Hillside Trl Raw — Lab Sample ID: 500-239119-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.3		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 807 Hillside Trl DW — Lab Sample ID: 500-239119-5

No Detections.

Client Sample ID: 963 Florence Ln Raw — Lab Sample ID: 500-239119-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.5		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 954 Fraser Ln Raw — Lab Sample ID: 500-239119-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 844 Hillside Trl Raw — Lab Sample ID: 500-239119-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.94		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 692 McCutcheon Rd Raw — Lab Sample ID: 500-239119-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	J	10	1.7	ug/L	1		8260D	Total/NA
Toluene	0.25	J	0.50	0.15	ug/L	1		8260D	Total/NA
Trichloroethene	0.41	J	0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 941 Pup Cir. Raw — Lab Sample ID: 500-239119-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.6	J	10	1.7	ug/L	1		8260D	Total/NA
Toluene	0.21	J	0.50	0.15	ug/L	1		8260D	Total/NA
Trichloroethene	1.3		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 941 Pup Cir. DW — Lab Sample ID: 500-239119-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.78		0.50	0.15	ug/L	1		8260D	Total/NA
Xylenes, Total	0.50	J	1.0	0.22	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 693 Pine Timber Ln Raw — Lab Sample ID: 500-239119-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	1.7	ug/L	1		8260D	Total/NA
Chloromethane	0.39	J	5.0	0.32	ug/L	1		8260D	Total/NA
Toluene	0.23	J	0.50	0.15	ug/L	1		8260D	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 693 Pine Timber Ln DW — Lab Sample ID: 500-239119-13

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.42	J	1.0	0.22	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-239119-1	929 Labarge Rd Raw	Water	09/05/23 08:00	09/06/23 10:05
500-239119-2	929 Labarge Rd DW	Water	09/05/23 08:05	09/06/23 10:05
500-239119-3	790 Holden Ln Raw	Water	09/05/23 09:00	09/06/23 10:05
500-239119-4	807 Hillside Trl Raw	Water	09/05/23 09:15	09/06/23 10:05
500-239119-5	807 Hillside Trl DW	Water	09/05/23 09:20	09/06/23 10:05
500-239119-6	963 Florence Ln Raw	Water	09/05/23 09:30	09/06/23 10:05
500-239119-7	954 Fraser Ln Raw	Water	09/05/23 09:45	09/06/23 10:05
500-239119-8	844 Hillside Trl Raw	Water	09/05/23 10:00	09/06/23 10:05
500-239119-9	692 McCutcheon Rd Raw	Water	09/05/23 10:15	09/06/23 10:05
500-239119-10	941 Pup Cir. Raw	Water	09/05/23 10:30	09/06/23 10:05
500-239119-11	941 Pup Cir. DW	Water	09/05/23 10:35	09/06/23 10:05
500-239119-12	693 Pine Timber Ln Raw	Water	09/05/23 12:00	09/06/23 10:05
500-239119-13	693 Pine Timber Ln DW	Water	09/05/23 12:05	09/06/23 10:05

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 929 Labarge Rd Raw
Date Collected: 09/05/23 08:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17	^c	100	17	ug/L			09/14/23 14:45	10
Benzene	<1.5		5.0	1.5	ug/L			09/14/23 14:45	10
Bromobenzene	<3.6		10	3.6	ug/L			09/14/23 14:45	10
Bromochloromethane	<4.3		10	4.3	ug/L			09/14/23 14:45	10
Bromodichloromethane	<3.7		10	3.7	ug/L			09/14/23 14:45	10
Bromoform	<4.8		10	4.8	ug/L			09/14/23 14:45	10
Bromomethane	<8.0	^c	30	8.0	ug/L			09/14/23 14:45	10
2-Butanone (MEK)	<21	^c	50	21	ug/L			09/14/23 14:45	10
Carbon disulfide	<4.5		20	4.5	ug/L			09/14/23 14:45	10
Carbon tetrachloride	<3.8		10	3.8	ug/L			09/14/23 14:45	10
Chlorobenzene	<3.9		10	3.9	ug/L			09/14/23 14:45	10
Chloroethane	<5.1		10	5.1	ug/L			09/14/23 14:45	10
Chloroform	<3.7		20	3.7	ug/L			09/14/23 14:45	10
Chloromethane	**6.0**	**J**	50	3.2	ug/L			09/14/23 14:45	10
2-Chlorotoluene	<3.1		10	3.1	ug/L			09/14/23 14:45	10
4-Chlorotoluene	<3.5		10	3.5	ug/L			09/14/23 14:45	10
cis-1,2-Dichloroethene	<4.1		10	4.1	ug/L			09/14/23 14:45	10
cis-1,3-Dichloropropene	<4.2		10	4.2	ug/L			09/14/23 14:45	10
Dibromochloromethane	<4.9		10	4.9	ug/L			09/14/23 14:45	10
1,2-Dibromo-3-Chloropropane	<20		50	20	ug/L			09/14/23 14:45	10
1,2-Dibromoethane (EDB)	<3.9		10	3.9	ug/L			09/14/23 14:45	10
Dibromomethane	<2.7		10	2.7	ug/L			09/14/23 14:45	10
1,2-Dichlorobenzene	<3.3		10	3.3	ug/L			09/14/23 14:45	10
1,3-Dichlorobenzene	<4.0		10	4.0	ug/L			09/14/23 14:45	10
1,4-Dichlorobenzene	<3.6		10	3.6	ug/L			09/14/23 14:45	10
Dichlorodifluoromethane	<6.7	^c	30	6.7	ug/L			09/14/23 14:45	10
1,1-Dichloroethane	<4.1		10	4.1	ug/L			09/14/23 14:45	10
1,2-Dichloroethane	<3.9		10	3.9	ug/L			09/14/23 14:45	10
1,1-Dichloroethene	<3.9		10	3.9	ug/L			09/14/23 14:45	10
1,2-Dichloropropane	<4.3		10	4.3	ug/L			09/14/23 14:45	10
1,3-Dichloropropane	<3.6		10	3.6	ug/L			09/14/23 14:45	10
2,2-Dichloropropane	<4.4		50	4.4	ug/L			09/14/23 14:45	10
1,1-Dichloropropene	<3.0		10	3.0	ug/L			09/14/23 14:45	10
Ethylbenzene	<1.8		5.0	1.8	ug/L			09/14/23 14:45	10
Hexachlorobutadiene	<4.5		10	4.5	ug/L			09/14/23 14:45	10
Isopropylbenzene	<3.9		10	3.9	ug/L			09/14/23 14:45	10
Isopropyl ether	<2.8		10	2.8	ug/L			09/14/23 14:45	10
4-Isopropyltoluene	<3.6		10	3.6	ug/L			09/14/23 14:45	10
Methylene Chloride	<16		50	16	ug/L			09/14/23 14:45	10
Methyl tert-butyl ether	<3.9		10	3.9	ug/L			09/14/23 14:45	10
Naphthalene	<3.4	^c	10	3.4	ug/L			09/14/23 14:45	10
n-Butylbenzene	<3.9		10	3.9	ug/L			09/14/23 14:45	10
N-Propylbenzene	<4.1		10	4.1	ug/L			09/14/23 14:45	10
sec-Butylbenzene	<4.0		10	4.0	ug/L			09/14/23 14:45	10
Styrene	<3.9		10	3.9	ug/L			09/14/23 14:45	10
tert-Butylbenzene	<4.0		10	4.0	ug/L			09/14/23 14:45	10
1,1,1,2-Tetrachloroethane	<4.6		10	4.6	ug/L			09/14/23 14:45	10
1,1,2,2-Tetrachloroethane	<4.0		10	4.0	ug/L			09/14/23 14:45	10
Tetrachloroethene	<3.7		10	3.7	ug/L			09/14/23 14:45	10

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 929 Labarge Rd Raw

Date Collected: 09/05/23 08:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<19	^c	100	19	ug/L			09/14/23 14:45	10
Toluene	<1.5		5.0	1.5	ug/L			09/14/23 14:45	10
trans-1,2-Dichloroethene	<3.5		10	3.5	ug/L			09/14/23 14:45	10
trans-1,3-Dichloropropene	<3.6		10	3.6	ug/L			09/14/23 14:45	10
1,2,3-Trichlorobenzene	<4.6		10	4.6	ug/L			09/14/23 14:45	10
1,2,4-Trichlorobenzene	<3.4		10	3.4	ug/L			09/14/23 14:45	10
1,1,1-Trichloroethane	<3.8		10	3.8	ug/L			09/14/23 14:45	10
1,1,2-Trichloroethane	<3.5		10	3.5	ug/L			09/14/23 14:45	10
Trichloroethene	<1.6		5.0	1.6	ug/L			09/14/23 14:45	10
Trichlorofluoromethane	<4.3	^c	10	4.3	ug/L			09/14/23 14:45	10
1,2,3-Trichloropropane	<4.1		20	4.1	ug/L			09/14/23 14:45	10
1,2,4-Trimethylbenzene	<3.6		10	3.6	ug/L			09/14/23 14:45	10
1,3,5-Trimethylbenzene	<2.5		10	2.5	ug/L			09/14/23 14:45	10
Vinyl chloride	<2.0		10	2.0	ug/L			09/14/23 14:45	10
Xylenes, Total	<2.2		10	2.2	ug/L			09/14/23 14:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 14:45*	*10*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*09/14/23 14:45*	*10*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*09/14/23 14:45*	*10*
Toluene-d8 (Surr)	*103*		*75 - 120*		*09/14/23 14:45*	*10*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 929 Labarge Rd DW

Date Collected: 09/05/23 08:05
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 15:11	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 15:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 15:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 15:11	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 15:11	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 15:11	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 15:11	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 15:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 15:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 15:11	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 15:11	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 15:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 15:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 15:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 15:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 15:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 15:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 15:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 15:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 15:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 15:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 15:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 15:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 15:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 15:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 15:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 15:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 15:11	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 15:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 15:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 15:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:11	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 15:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 15:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 15:11	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 929 Labarge Rd DW
Date Collected: 09/05/23 08:05
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 15:11	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 15:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 15:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 15:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 15:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 15:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 15:11	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/14/23 15:11	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 15:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 15:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 15:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 15:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*09/14/23 15:11*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*09/14/23 15:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*09/14/23 15:11*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*09/14/23 15:11*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 790 Holden Ln Raw

Date Collected: 09/05/23 09:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 15:38	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 15:38	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 15:38	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 15:38	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 15:38	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 15:38	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 15:38	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 15:38	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 15:38	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 15:38	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 15:38	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 15:38	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 15:38	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 15:38	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 15:38	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 15:38	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 15:38	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 15:38	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 15:38	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 15:38	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:38	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 15:38	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 15:38	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 15:38	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 15:38	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 15:38	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 15:38	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 15:38	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 15:38	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 15:38	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 15:38	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 15:38	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:38	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:38	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 15:38	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 15:38	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 15:38	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 790 Holden Ln Raw
Date Collected: 09/05/23 09:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 15:38	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 15:38	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 15:38	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 15:38	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 15:38	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 15:38	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 15:38	1
Trichloroethene	**0.90**		0.50	0.16	ug/L			09/14/23 15:38	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 15:38	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 15:38	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 15:38	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 15:38	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*09/14/23 15:38*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*09/14/23 15:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*09/14/23 15:38*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*09/14/23 15:38*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 807 Hillside Trl Raw
Date Collected: 09/05/23 09:15
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 16:04	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 16:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 16:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 16:04	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 16:04	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 16:04	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 16:04	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 16:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 16:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 16:04	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 16:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 16:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 16:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 16:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 16:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 16:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 16:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 16:04	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 16:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 16:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 16:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 16:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 16:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 16:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 16:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 16:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 16:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 16:04	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 16:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 16:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 16:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:04	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 16:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 16:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 16:04	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 807 Hillside Trl Raw
Date Collected: 09/05/23 09:15
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 16:04	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 16:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 16:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 16:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 16:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 16:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 16:04	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			09/14/23 16:04	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 16:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 16:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 16:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 16:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*09/14/23 16:04*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*09/14/23 16:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*09/14/23 16:04*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*09/14/23 16:04*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 807 Hillside Trl DW

Date Collected: 09/05/23 09:20
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 16:31	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 16:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 16:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 16:31	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 16:31	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 16:31	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 16:31	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 16:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 16:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 16:31	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 16:31	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 16:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 16:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 16:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 16:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 16:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 16:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 16:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 16:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 16:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 16:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 16:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 16:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 16:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 16:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 16:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 16:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 16:31	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 16:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 16:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 16:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:31	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:31	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 16:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 16:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 16:31	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 807 Hillside Trl DW
Date Collected: 09/05/23 09:20
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 16:31	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 16:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 16:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 16:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 16:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 16:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 16:31	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/14/23 16:31	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 16:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 16:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 16:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 16:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 16:31*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*09/14/23 16:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*09/14/23 16:31*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*09/14/23 16:31*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 963 Florence Ln Raw

Date Collected: 09/05/23 09:30
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 16:57	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 16:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 16:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 16:57	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 16:57	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 16:57	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 16:57	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 16:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 16:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 16:57	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 16:57	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 16:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 16:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 16:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 16:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 16:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 16:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 16:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 16:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 16:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 16:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 16:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 16:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 16:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 16:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 16:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 16:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 16:57	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 16:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 16:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 16:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:57	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 16:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 16:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 16:57	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 963 Florence Ln Raw

Date Collected: 09/05/23 09:30
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 16:57	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 16:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 16:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 16:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 16:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 16:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 16:57	1
Trichloroethene	**1.5**		0.50	0.16	ug/L			09/14/23 16:57	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 16:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 16:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 16:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 16:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 16:57*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*09/14/23 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*09/14/23 16:57*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*09/14/23 16:57*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 954 Fraser Ln Raw

Date Collected: 09/05/23 09:45
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 17:24	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 17:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 17:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 17:24	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 17:24	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 17:24	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 17:24	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 17:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 17:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 17:24	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 17:24	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 17:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 17:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 17:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 17:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 17:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 17:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 17:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 17:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 17:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 17:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 17:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 17:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 17:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 17:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 17:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 17:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 17:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 17:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 17:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 17:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:24	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 17:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 17:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 17:24	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 954 Fraser Ln Raw

Date Collected: 09/05/23 09:45
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 17:24	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 17:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 17:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 17:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 17:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 17:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 17:24	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			09/14/23 17:24	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 17:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 17:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 17:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 17:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 17:24*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*09/14/23 17:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*09/14/23 17:24*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*09/14/23 17:24*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 844 Hillside Trl Raw

Date Collected: 09/05/23 10:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 17:51	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 17:51	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 17:51	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 17:51	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 17:51	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 17:51	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 17:51	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 17:51	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 17:51	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 17:51	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 17:51	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 17:51	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 17:51	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 17:51	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 17:51	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 17:51	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 17:51	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 17:51	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 17:51	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 17:51	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:51	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 17:51	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 17:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 17:51	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 17:51	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 17:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 17:51	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 17:51	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 17:51	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 17:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 17:51	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 17:51	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:51	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:51	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 17:51	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 17:51	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 17:51	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 844 Hillside Trl Raw
Date Collected: 09/05/23 10:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 17:51	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 17:51	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 17:51	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 17:51	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 17:51	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 17:51	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 17:51	1
Trichloroethene	**0.94**		0.50	0.16	ug/L			09/14/23 17:51	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 17:51	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 17:51	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 17:51	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 17:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 17:51*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*09/14/23 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*09/14/23 17:51*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*09/14/23 17:51*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 692 McCutcheon Rd Raw

Date Collected: 09/05/23 10:15
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.2	J	10	1.7	ug/L			09/15/23 16:43	1
Benzene	<0.15		0.50	0.15	ug/L			09/15/23 16:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/15/23 16:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/15/23 16:43	1
Bromoform	<0.48		1.0	0.48	ug/L			09/15/23 16:43	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/15/23 16:43	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/15/23 16:43	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/15/23 16:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/15/23 16:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/15/23 16:43	1
Chloroform	<0.37		2.0	0.37	ug/L			09/15/23 16:43	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/15/23 16:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/15/23 16:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/15/23 16:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/15/23 16:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/15/23 16:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/15/23 16:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/15/23 16:43	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/15/23 16:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/15/23 16:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/15/23 16:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/15/23 16:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/15/23 16:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/15/23 16:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/15/23 16:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/15/23 16:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/15/23 16:43	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/15/23 16:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/15/23 16:43	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/15/23 16:43	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			09/15/23 16:43	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/15/23 16:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/15/23 16:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 16:43	1
Styrene	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 16:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/15/23 16:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/15/23 16:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/15/23 16:43	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 692 McCutcheon Rd Raw
Date Collected: 09/05/23 10:15
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/15/23 16:43	1
Toluene	**0.25**	**J**	0.50	0.15	ug/L			09/15/23 16:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/15/23 16:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/15/23 16:43	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/15/23 16:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/15/23 16:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/15/23 16:43	1
Trichloroethene	**0.41**	**J**	0.50	0.16	ug/L			09/15/23 16:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/15/23 16:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/15/23 16:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/15/23 16:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/15/23 16:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/15/23 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*09/15/23 16:43*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*09/15/23 16:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*09/15/23 16:43*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*09/15/23 16:43*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 941 Pup Cir. Raw

Date Collected: 09/05/23 10:30
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.6**	**J**	10	1.7	ug/L			09/15/23 17:07	1
Benzene	<0.15		0.50	0.15	ug/L			09/15/23 17:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/15/23 17:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/15/23 17:07	1
Bromoform	<0.48		1.0	0.48	ug/L			09/15/23 17:07	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/15/23 17:07	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/15/23 17:07	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/15/23 17:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/15/23 17:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/15/23 17:07	1
Chloroform	<0.37		2.0	0.37	ug/L			09/15/23 17:07	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/15/23 17:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/15/23 17:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/15/23 17:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/15/23 17:07	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/15/23 17:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/15/23 17:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/15/23 17:07	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/15/23 17:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/15/23 17:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/15/23 17:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/15/23 17:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/15/23 17:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/15/23 17:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/15/23 17:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/15/23 17:07	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/15/23 17:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/15/23 17:07	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/15/23 17:07	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			09/15/23 17:07	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/15/23 17:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/15/23 17:07	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:07	1
Styrene	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:07	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/15/23 17:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/15/23 17:07	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/15/23 17:07	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 941 Pup Cir. Raw

Date Collected: 09/05/23 10:30
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/15/23 17:07	1
Toluene	**0.21**	**J**	0.50	0.15	ug/L			09/15/23 17:07	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/15/23 17:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/15/23 17:07	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/15/23 17:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/15/23 17:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/15/23 17:07	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			09/15/23 17:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/15/23 17:07	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/15/23 17:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/15/23 17:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/15/23 17:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/15/23 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*09/15/23 17:07*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*09/15/23 17:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*09/15/23 17:07*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*09/15/23 17:07*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 941 Pup Cir. DW

Date Collected: 09/05/23 10:35
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-11

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/18/23 17:04	1
Benzene	**0.78**		0.50	0.15	ug/L			09/18/23 17:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/18/23 17:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/18/23 17:04	1
Bromoform	<0.48		1.0	0.48	ug/L			09/18/23 17:04	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/18/23 17:04	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/18/23 17:04	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/18/23 17:04	1
Carbon tetrachloride	<0.38	^c	1.0	0.38	ug/L			09/18/23 17:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
Chloroethane	<0.51	^c	1.0	0.51	ug/L			09/18/23 17:04	1
Chloroform	<0.37		2.0	0.37	ug/L			09/18/23 17:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/18/23 17:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/18/23 17:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/18/23 17:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/18/23 17:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/18/23 17:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/18/23 17:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/18/23 17:04	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/18/23 17:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/18/23 17:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
Dichlorodifluoromethane	<0.67	^c *	3.0	0.67	ug/L			09/18/23 17:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/18/23 17:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
1,1-Dichloroethene	<0.39	^c	1.0	0.39	ug/L			09/18/23 17:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/18/23 17:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/18/23 17:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/18/23 17:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/18/23 17:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/18/23 17:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/18/23 17:04	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/18/23 17:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/18/23 17:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/18/23 17:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:04	1
Styrene	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/18/23 17:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/18/23 17:04	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			09/18/23 17:04	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 941 Pup Cir. DW
Date Collected: 09/05/23 10:35
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/18/23 17:04	1
Toluene	<0.15		0.50	0.15	ug/L			09/18/23 17:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/18/23 17:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/18/23 17:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/18/23 17:04	1
1,1,1-Trichloroethane	<0.38	^c	1.0	0.38	ug/L			09/18/23 17:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/18/23 17:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/18/23 17:04	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			09/18/23 17:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/18/23 17:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/18/23 17:04	1
Vinyl chloride	<0.20	^c *	1.0	0.20	ug/L			09/18/23 17:04	1
Xylenes, Total	**0.50**	**J**	1.0	0.22	ug/L			09/18/23 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*09/18/23 17:04*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*09/18/23 17:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*09/18/23 17:04*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/18/23 17:04*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 693 Pine Timber Ln Raw

Lab Sample ID: 500-239119-12

Date Collected: 09/05/23 12:00
Date Received: 09/06/23 10:05

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.4**	**J**	10	1.7	ug/L			09/15/23 17:55	1
Benzene	<0.15		0.50	0.15	ug/L			09/15/23 17:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/15/23 17:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/15/23 17:55	1
Bromoform	<0.48		1.0	0.48	ug/L			09/15/23 17:55	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/15/23 17:55	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/15/23 17:55	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/15/23 17:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/15/23 17:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/15/23 17:55	1
Chloroform	<0.37		2.0	0.37	ug/L			09/15/23 17:55	1
Chloromethane	**0.39**	**J**	5.0	0.32	ug/L			09/15/23 17:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/15/23 17:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/15/23 17:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/15/23 17:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/15/23 17:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/15/23 17:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/15/23 17:55	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/15/23 17:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/15/23 17:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/15/23 17:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/15/23 17:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/15/23 17:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/15/23 17:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/15/23 17:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/15/23 17:55	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/15/23 17:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/15/23 17:55	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/15/23 17:55	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			09/15/23 17:55	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/15/23 17:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/15/23 17:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:55	1
Styrene	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/15/23 17:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/15/23 17:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/15/23 17:55	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 693 Pine Timber Ln Raw

Lab Sample ID: 500-239119-12

Date Collected: 09/05/23 12:00

Matrix: Water

Date Received: 09/06/23 10:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/15/23 17:55	1
Toluene	**0.23**	**J**	0.50	0.15	ug/L			09/15/23 17:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/15/23 17:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/15/23 17:55	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/15/23 17:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/15/23 17:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/15/23 17:55	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			09/15/23 17:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/15/23 17:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/15/23 17:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/15/23 17:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/15/23 17:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/15/23 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*09/15/23 17:55*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*09/15/23 17:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*09/15/23 17:55*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/15/23 17:55*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 693 Pine Timber Ln DW

Date Collected: 09/05/23 12:05
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-13

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/18/23 17:30	1
Benzene	<0.15		0.50	0.15	ug/L			09/18/23 17:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/18/23 17:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/18/23 17:30	1
Bromoform	<0.48		1.0	0.48	ug/L			09/18/23 17:30	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/18/23 17:30	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/18/23 17:30	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/18/23 17:30	1
Carbon tetrachloride	<0.38	^c	1.0	0.38	ug/L			09/18/23 17:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
Chloroethane	<0.51	^c	1.0	0.51	ug/L			09/18/23 17:30	1
Chloroform	<0.37		2.0	0.37	ug/L			09/18/23 17:30	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/18/23 17:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/18/23 17:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/18/23 17:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/18/23 17:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/18/23 17:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/18/23 17:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/18/23 17:30	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/18/23 17:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/18/23 17:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
Dichlorodifluoromethane	<0.67	^c *	3.0	0.67	ug/L			09/18/23 17:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/18/23 17:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
1,1-Dichloroethene	<0.39	^c	1.0	0.39	ug/L			09/18/23 17:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/18/23 17:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/18/23 17:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/18/23 17:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/18/23 17:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/18/23 17:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/18/23 17:30	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/18/23 17:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/18/23 17:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/18/23 17:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:30	1
Styrene	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/18/23 17:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/18/23 17:30	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			09/18/23 17:30	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 693 Pine Timber Ln DW
Date Collected: 09/05/23 12:05
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/18/23 17:30	1
Toluene	<0.15		0.50	0.15	ug/L			09/18/23 17:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/18/23 17:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/18/23 17:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/18/23 17:30	1
1,1,1-Trichloroethane	<0.38	^c	1.0	0.38	ug/L			09/18/23 17:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/18/23 17:30	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/18/23 17:30	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			09/18/23 17:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/18/23 17:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/18/23 17:30	1
Vinyl chloride	<0.20	^c *	1.0	0.20	ug/L			09/18/23 17:30	1
Xylenes, Total	**0.42**	**J**	1.0	0.22	ug/L			09/18/23 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*09/18/23 17:30*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*09/18/23 17:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*09/18/23 17:30*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/18/23 17:30*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

GC/MS VOA

Analysis Batch: 732246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239119-1	929 Labarge Rd Raw	Total/NA	Water	8260D	
500-239119-2	929 Labarge Rd DW	Total/NA	Water	8260D	
500-239119-3	790 Holden Ln Raw	Total/NA	Water	8260D	
500-239119-4	807 Hillside Trl Raw	Total/NA	Water	8260D	
500-239119-5	807 Hillside Trl DW	Total/NA	Water	8260D	
500-239119-6	963 Florence Ln Raw	Total/NA	Water	8260D	
500-239119-7	954 Fraser Ln Raw	Total/NA	Water	8260D	
500-239119-8	844 Hillside Trl Raw	Total/NA	Water	8260D	
MB 500-732246/29	Method Blank	Total/NA	Water	8260D	
LCS 500-732246/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 732469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239119-9	692 McCutcheon Rd Raw	Total/NA	Water	8260D	
500-239119-10	941 Pup Cir. Raw	Total/NA	Water	8260D	
500-239119-12	693 Pine Timber Ln Raw	Total/NA	Water	8260D	
MB 500-732469/6	Method Blank	Total/NA	Water	8260D	
LCS 500-732469/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 732682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239119-11	941 Pup Cir. DW	Total/NA	Water	8260D	
500-239119-13	693 Pine Timber Ln DW	Total/NA	Water	8260D	
MB 500-732682/8	Method Blank	Total/NA	Water	8260D	
LCS 500-732682/5	Lab Control Sample	Total/NA	Water	8260D	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-239119-1	929 Labarge Rd Raw	99	98	93	103
500-239119-2	929 Labarge Rd DW	98	101	97	100
500-239119-3	790 Holden Ln Raw	100	97	93	103
500-239119-4	807 Hillside Trl Raw	98	99	96	102
500-239119-5	807 Hillside Trl DW	99	99	96	101
500-239119-6	963 Florence Ln Raw	99	99	96	102
500-239119-7	954 Fraser Ln Raw	99	99	94	102
500-239119-8	844 Hillside Trl Raw	99	100	95	101
500-239119-9	692 McCutcheon Rd Raw	115	106	99	91
500-239119-10	941 Pup Cir. Raw	114	105	97	91
500-239119-11	941 Pup Cir. DW	97	104	100	96
500-239119-12	693 Pine Timber Ln Raw	113	105	96	90
500-239119-13	693 Pine Timber Ln DW	96	106	99	96
LCS 500-732246/4	Lab Control Sample	97	96	92	100
LCS 500-732469/4	Lab Control Sample	106	97	92	94
LCS 500-732682/5	Lab Control Sample	95	99	92	99
MB 500-732246/29	Method Blank	99	97	91	101
MB 500-732469/6	Method Blank	114	98	96	92
MB 500-732682/8	Method Blank	97	105	101	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-732246/29
Matrix: Water
Analysis Batch: 732246

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/14/23 11:40	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 11:40	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 11:40	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 11:40	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 11:40	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 11:40	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/14/23 11:40	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/14/23 11:40	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 11:40	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 11:40	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 11:40	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 11:40	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 11:40	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 11:40	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 11:40	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 11:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 11:40	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 11:40	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 11:40	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 11:40	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 11:40	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 11:40	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 11:40	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 11:40	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 11:40	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/14/23 11:40	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 11:40	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 11:40	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 11:40	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 11:40	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 11:40	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 11:40	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 11:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 11:40	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 11:40	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 11:40	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 11:40	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 11:40	1
Methylene Chloride	2.09	J	5.0	1.6	ug/L			09/14/23 11:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 11:40	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/14/23 11:40	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 11:40	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 11:40	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 11:40	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 11:40	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 11:40	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 11:40	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 11:40	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-732246/29
Matrix: Water
Analysis Batch: 732246

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 11:40	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/14/23 11:40	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 11:40	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 11:40	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 11:40	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 11:40	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 11:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 11:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 11:40	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/14/23 11:40	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/14/23 11:40	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 11:40	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 11:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 11:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 11:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 11:40*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*09/14/23 11:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*09/14/23 11:40*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*09/14/23 11:40*	*1*

Lab Sample ID: LCS 500-732246/4
Matrix: Water
Analysis Batch: 732246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	29.6		ug/L		74	40 - 143
Benzene	40.0	38.8		ug/L		97	70 - 120
Bromobenzene	40.0	39.4		ug/L		98	70 - 122
Bromochloromethane	40.0	40.1		ug/L		100	65 - 122
Bromodichloromethane	40.0	38.9		ug/L		97	69 - 120
Bromoform	40.0	43.6		ug/L		109	56 - 132
Bromomethane	40.0	52.7		ug/L		132	40 - 152
2-Butanone (MEK)	40.0	31.4		ug/L		79	46 - 144
Carbon disulfide	40.0	43.0		ug/L		107	66 - 120
Carbon tetrachloride	40.0	44.3		ug/L		111	59 - 133
Chlorobenzene	40.0	40.0		ug/L		100	70 - 120
Chloroethane	40.0	41.5		ug/L		104	48 - 136
Chloroform	40.0	39.9		ug/L		100	70 - 120
Chloromethane	40.0	36.7		ug/L		92	56 - 152
2-Chlorotoluene	40.0	38.4		ug/L		96	70 - 125
4-Chlorotoluene	40.0	39.1		ug/L		98	68 - 124
cis-1,2-Dichloroethene	40.0	39.2		ug/L		98	70 - 125
cis-1,3-Dichloropropene	40.0	38.3		ug/L		96	64 - 127
Dibromochloromethane	40.0	40.9		ug/L		102	68 - 125
1,2-Dibromo-3-Chloropropane	40.0	37.5		ug/L		94	56 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-732246/4
Matrix: Water
Analysis Batch: 732246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	40.0	39.8		ug/L		100	70 - 125
Dibromomethane	40.0	39.5		ug/L		99	70 - 120
1,2-Dichlorobenzene	40.0	37.7		ug/L		94	70 - 125
1,3-Dichlorobenzene	40.0	38.5		ug/L		96	70 - 125
1,4-Dichlorobenzene	40.0	37.9		ug/L		95	70 - 120
Dichlorodifluoromethane	40.0	51.5		ug/L		129	40 - 159
1,1-Dichloroethane	40.0	38.9		ug/L		97	70 - 125
1,2-Dichloroethane	40.0	37.4		ug/L		93	68 - 127
1,1-Dichloroethene	40.0	43.3		ug/L		108	67 - 122
1,2-Dichloropropane	40.0	37.4		ug/L		94	67 - 130
1,3-Dichloropropane	40.0	39.7		ug/L		99	62 - 136
2,2-Dichloropropane	40.0	37.8		ug/L		95	58 - 139
1,1-Dichloropropene	40.0	41.4		ug/L		103	70 - 121
Ethylbenzene	40.0	41.1		ug/L		103	70 - 123
Hexachlorobutadiene	40.0	38.2		ug/L		96	51 - 150
Isopropylbenzene	40.0	40.3		ug/L		101	70 - 126
4-Isopropyltoluene	40.0	39.8		ug/L		99	70 - 125
Methylene Chloride	40.0	39.2		ug/L		98	69 - 125
Methyl tert-butyl ether	40.0	37.7		ug/L		94	55 - 123
Naphthalene	40.0	30.0		ug/L		75	53 - 144
n-Butylbenzene	40.0	38.8		ug/L		97	68 - 125
N-Propylbenzene	40.0	40.4		ug/L		101	69 - 127
sec-Butylbenzene	40.0	40.1		ug/L		100	70 - 123
Styrene	40.0	40.1		ug/L		100	70 - 120
tert-Butylbenzene	40.0	39.7		ug/L		99	70 - 121
1,1,1,2-Tetrachloroethane	40.0	40.1		ug/L		100	70 - 125
1,1,2,2-Tetrachloroethane	40.0	38.2		ug/L		95	62 - 140
Tetrachloroethene	40.0	43.3		ug/L		108	70 - 128
Tetrahydrofuran	80.0	59.3		ug/L		74	59 - 139
Toluene	40.0	38.0		ug/L		95	70 - 125
trans-1,2-Dichloroethene	40.0	41.8		ug/L		104	70 - 125
trans-1,3-Dichloropropene	40.0	40.1		ug/L		100	62 - 128
1,2,3-Trichlorobenzene	40.0	30.8		ug/L		77	51 - 145
1,2,4-Trichlorobenzene	40.0	34.6		ug/L		87	57 - 137
1,1,1-Trichloroethane	40.0	41.7		ug/L		104	70 - 125
1,1,2-Trichloroethane	40.0	39.1		ug/L		98	71 - 130
Trichloroethene	40.0	40.1		ug/L		100	70 - 125
Trichlorofluoromethane	40.0	47.7		ug/L		119	55 - 128
1,2,3-Trichloropropane	40.0	39.8		ug/L		99	50 - 133
1,2,4-Trimethylbenzene	40.0	39.3		ug/L		98	70 - 123
1,3,5-Trimethylbenzene	40.0	39.4		ug/L		98	70 - 123
Vinyl chloride	40.0	42.2		ug/L		105	64 - 126
Xylenes, Total	80.0	78.1		ug/L		98	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-732246/4
Matrix: Water
Analysis Batch: 732246

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		75 - 120

Lab Sample ID: MB 500-732469/6
Matrix: Water
Analysis Batch: 732469

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/15/23 11:03	1
Benzene	<0.15		0.50	0.15	ug/L			09/15/23 11:03	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/15/23 11:03	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/15/23 11:03	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/15/23 11:03	1
Bromoform	<0.48		1.0	0.48	ug/L			09/15/23 11:03	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/15/23 11:03	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/15/23 11:03	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/15/23 11:03	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/15/23 11:03	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/15/23 11:03	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/15/23 11:03	1
Chloroform	<0.37		2.0	0.37	ug/L			09/15/23 11:03	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/15/23 11:03	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/15/23 11:03	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/15/23 11:03	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/15/23 11:03	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/15/23 11:03	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/15/23 11:03	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/15/23 11:03	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/15/23 11:03	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/15/23 11:03	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/15/23 11:03	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/15/23 11:03	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/15/23 11:03	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/15/23 11:03	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/15/23 11:03	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/15/23 11:03	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/15/23 11:03	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/15/23 11:03	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/15/23 11:03	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/15/23 11:03	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/15/23 11:03	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/15/23 11:03	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/15/23 11:03	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 11:03	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/15/23 11:03	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/15/23 11:03	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/15/23 11:03	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/15/23 11:03	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/15/23 11:03	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-732469/6
Matrix: Water
Analysis Batch: 732469

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 11:03	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/15/23 11:03	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 11:03	1
Styrene	<0.39		1.0	0.39	ug/L			09/15/23 11:03	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 11:03	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/15/23 11:03	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/15/23 11:03	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/15/23 11:03	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/15/23 11:03	1
Toluene	<0.15		0.50	0.15	ug/L			09/15/23 11:03	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/15/23 11:03	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/15/23 11:03	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/15/23 11:03	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/15/23 11:03	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/15/23 11:03	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/15/23 11:03	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/15/23 11:03	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/15/23 11:03	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/15/23 11:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/15/23 11:03	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/15/23 11:03	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/15/23 11:03	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/15/23 11:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*09/15/23 11:03*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*09/15/23 11:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*09/15/23 11:03*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*09/15/23 11:03*	*1*

Lab Sample ID: LCS 500-732469/4
Matrix: Water
Analysis Batch: 732469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	44.8		ug/L		90	40 - 143
Benzene	50.0	47.8		ug/L		96	70 - 120
Bromobenzene	50.0	50.8		ug/L		102	70 - 122
Bromochloromethane	50.0	48.0		ug/L		96	65 - 122
Bromodichloromethane	50.0	50.0		ug/L		100	69 - 120
Bromoform	50.0	55.4		ug/L		111	56 - 132
Bromomethane	50.0	73.4		ug/L		147	40 - 152
2-Butanone (MEK)	50.0	48.8		ug/L		98	46 - 144
Carbon disulfide	50.0	55.7		ug/L		111	66 - 120
Carbon tetrachloride	50.0	52.7		ug/L		105	59 - 133
Chlorobenzene	50.0	48.2		ug/L		96	70 - 120
Chloroethane	50.0	51.4		ug/L		103	48 - 136
Chloroform	50.0	46.2		ug/L		92	70 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-732469/4
Matrix: Water
Analysis Batch: 732469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	50.0	47.5		ug/L		95	56 - 152
2-Chlorotoluene	50.0	53.1		ug/L		106	70 - 125
4-Chlorotoluene	50.0	53.6		ug/L		107	68 - 124
cis-1,2-Dichloroethene	50.0	48.0		ug/L		96	70 - 125
cis-1,3-Dichloropropene	50.0	48.1		ug/L		96	64 - 127
Dibromochloromethane	50.0	54.0		ug/L		108	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	48.0		ug/L		96	56 - 123
1,2-Dibromoethane (EDB)	50.0	46.6		ug/L		93	70 - 125
Dibromomethane	50.0	47.2		ug/L		94	70 - 120
1,2-Dichlorobenzene	50.0	47.4		ug/L		95	70 - 125
1,3-Dichlorobenzene	50.0	47.2		ug/L		94	70 - 125
1,4-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 120
Dichlorodifluoromethane	50.0	36.2		ug/L		72	40 - 159
1,1-Dichloroethane	50.0	49.7		ug/L		99	70 - 125
1,2-Dichloroethane	50.0	46.0		ug/L		92	68 - 127
1,1-Dichloroethene	50.0	47.6		ug/L		95	67 - 122
1,2-Dichloropropane	50.0	49.7		ug/L		99	67 - 130
1,3-Dichloropropane	50.0	47.9		ug/L		96	62 - 136
2,2-Dichloropropane	50.0	58.0		ug/L		116	58 - 139
1,1-Dichloropropene	50.0	47.7		ug/L		95	70 - 121
Ethylbenzene	50.0	47.5		ug/L		95	70 - 123
Hexachlorobutadiene	50.0	32.9		ug/L		66	51 - 150
Isopropylbenzene	50.0	51.2		ug/L		102	70 - 126
4-Isopropyltoluene	50.0	51.2		ug/L		102	70 - 125
Methylene Chloride	50.0	47.2		ug/L		94	69 - 125
Methyl tert-butyl ether	50.0	41.0		ug/L		82	55 - 123
Naphthalene	50.0	34.9		ug/L		70	53 - 144
n-Butylbenzene	50.0	48.1		ug/L		96	68 - 125
N-Propylbenzene	50.0	53.9		ug/L		108	69 - 127
sec-Butylbenzene	50.0	50.9		ug/L		102	70 - 123
Styrene	50.0	49.5		ug/L		99	70 - 120
tert-Butylbenzene	50.0	50.5		ug/L		101	70 - 121
1,1,1,2-Tetrachloroethane	50.0	49.5		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	62 - 140
Tetrachloroethene	50.0	43.8		ug/L		88	70 - 128
Tetrahydrofuran	100	84.0		ug/L		84	59 - 139
Toluene	50.0	49.7		ug/L		99	70 - 125
trans-1,2-Dichloroethene	50.0	48.8		ug/L		98	70 - 125
trans-1,3-Dichloropropene	50.0	48.2		ug/L		96	62 - 128
1,2,3-Trichlorobenzene	50.0	33.6		ug/L		67	51 - 145
1,2,4-Trichlorobenzene	50.0	34.4		ug/L		69	57 - 137
1,1,1-Trichloroethane	50.0	47.5		ug/L		95	70 - 125
1,1,2-Trichloroethane	50.0	47.2		ug/L		94	71 - 130
Trichloroethene	50.0	47.0		ug/L		94	70 - 125
Trichlorofluoromethane	50.0	46.9		ug/L		94	55 - 128
1,2,3-Trichloropropane	50.0	50.3		ug/L		101	50 - 133
1,2,4-Trimethylbenzene	50.0	51.9		ug/L		104	70 - 123
1,3,5-Trimethylbenzene	50.0	52.3		ug/L		105	70 - 123
Vinyl chloride	50.0	48.4		ug/L		97	64 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-732469/4
Matrix: Water
Analysis Batch: 732469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes, Total			100	98.1		ug/L		98	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: MB 500-732682/8
Matrix: Water
Analysis Batch: 732682

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/18/23 12:12	1
Benzene	<0.15		0.50	0.15	ug/L			09/18/23 12:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/18/23 12:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/18/23 12:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/18/23 12:12	1
Bromoform	<0.48		1.0	0.48	ug/L			09/18/23 12:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/18/23 12:12	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/18/23 12:12	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/18/23 12:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/18/23 12:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/18/23 12:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/18/23 12:12	1
Chloroform	<0.37		2.0	0.37	ug/L			09/18/23 12:12	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/18/23 12:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/18/23 12:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/18/23 12:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/18/23 12:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/18/23 12:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/18/23 12:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/18/23 12:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/18/23 12:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/18/23 12:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/18/23 12:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/18/23 12:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/18/23 12:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/18/23 12:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/18/23 12:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/18/23 12:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/18/23 12:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/18/23 12:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/18/23 12:12	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/18/23 12:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/18/23 12:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/18/23 12:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/18/23 12:12	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-732682/8
Matrix: Water
Analysis Batch: 732682

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/18/23 12:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/18/23 12:12	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/18/23 12:12	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/18/23 12:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/18/23 12:12	1
Naphthalene	0.626	J	1.0	0.34	ug/L			09/18/23 12:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/18/23 12:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/18/23 12:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/18/23 12:12	1
Styrene	<0.39		1.0	0.39	ug/L			09/18/23 12:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/18/23 12:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/18/23 12:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/18/23 12:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/18/23 12:12	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/18/23 12:12	1
Toluene	<0.15		0.50	0.15	ug/L			09/18/23 12:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/18/23 12:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/18/23 12:12	1
1,2,3-Trichlorobenzene	0.605	J	1.0	0.46	ug/L			09/18/23 12:12	1
1,2,4-Trichlorobenzene	0.371	J	1.0	0.34	ug/L			09/18/23 12:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/18/23 12:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/18/23 12:12	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/18/23 12:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/18/23 12:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/18/23 12:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/18/23 12:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/18/23 12:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/18/23 12:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/18/23 12:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*09/18/23 12:12*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*09/18/23 12:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*09/18/23 12:12*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/18/23 12:12*	*1*

Lab Sample ID: LCS 500-732682/5
Matrix: Water
Analysis Batch: 732682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	33.2		ug/L		83	40 - 143
Benzene	40.0	44.8		ug/L		112	70 - 120
Bromobenzene	40.0	43.4		ug/L		109	70 - 122
Bromochloromethane	40.0	46.6		ug/L		116	65 - 122
Bromodichloromethane	40.0	44.5		ug/L		111	69 - 120
Bromoform	40.0	47.7		ug/L		119	56 - 132
Bromomethane	40.0	52.9		ug/L		132	40 - 152

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-732682/5
Matrix: Water
Analysis Batch: 732682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	40.2		ug/L		100	46 - 144
Carbon disulfide	40.0	46.3		ug/L		116	66 - 120
Carbon tetrachloride	40.0	51.7		ug/L		129	59 - 133
Chlorobenzene	40.0	44.7		ug/L		112	70 - 120
Chloroethane	40.0	51.7		ug/L		129	48 - 136
Chloroform	40.0	46.6		ug/L		116	70 - 120
Chloromethane	40.0	39.5		ug/L		99	56 - 152
2-Chlorotoluene	40.0	42.1		ug/L		105	70 - 125
4-Chlorotoluene	40.0	43.3		ug/L		108	68 - 124
cis-1,2-Dichloroethene	40.0	45.5		ug/L		114	70 - 125
cis-1,3-Dichloropropene	40.0	42.5		ug/L		106	64 - 127
Dibromochloromethane	40.0	45.2		ug/L		113	68 - 125
1,2-Dibromo-3-Chloropropane	40.0	42.0		ug/L		105	56 - 123
1,2-Dibromoethane (EDB)	40.0	43.1		ug/L		108	70 - 125
Dibromomethane	40.0	46.0		ug/L		115	70 - 120
1,2-Dichlorobenzene	40.0	41.9		ug/L		105	70 - 125
1,3-Dichlorobenzene	40.0	43.3		ug/L		108	70 - 125
1,4-Dichlorobenzene	40.0	42.6		ug/L		107	70 - 120
Dichlorodifluoromethane	40.0	66.9	*	ug/L		167	40 - 159
1,1-Dichloroethane	40.0	45.1		ug/L		113	70 - 125
1,2-Dichloroethane	40.0	43.2		ug/L		108	68 - 127
1,1-Dichloroethene	40.0	48.6		ug/L		121	67 - 122
1,2-Dichloropropane	40.0	44.0		ug/L		110	67 - 130
1,3-Dichloropropane	40.0	43.0		ug/L		107	62 - 136
2,2-Dichloropropane	40.0	42.2		ug/L		105	58 - 139
1,1-Dichloropropene	40.0	47.7		ug/L		119	70 - 121
Ethylbenzene	40.0	45.8		ug/L		114	70 - 123
Hexachlorobutadiene	40.0	39.7		ug/L		99	51 - 150
Isopropylbenzene	40.0	44.3		ug/L		111	70 - 126
4-Isopropyltoluene	40.0	44.3		ug/L		111	70 - 125
Methylene Chloride	40.0	43.9		ug/L		110	69 - 125
Methyl tert-butyl ether	40.0	39.1		ug/L		98	55 - 123
Naphthalene	40.0	37.0		ug/L		92	53 - 144
n-Butylbenzene	40.0	42.9		ug/L		107	68 - 125
N-Propylbenzene	40.0	44.3		ug/L		111	69 - 127
sec-Butylbenzene	40.0	44.0		ug/L		110	70 - 123
Styrene	40.0	44.3		ug/L		111	70 - 120
tert-Butylbenzene	40.0	44.0		ug/L		110	70 - 121
1,1,1,2-Tetrachloroethane	40.0	45.3		ug/L		113	70 - 125
1,1,2,2-Tetrachloroethane	40.0	40.4		ug/L		101	62 - 140
Tetrachloroethene	40.0	48.4		ug/L		121	70 - 128
Tetrahydrofuran	80.0	68.9		ug/L		86	59 - 139
Toluene	40.0	42.2		ug/L		106	70 - 125
trans-1,2-Dichloroethene	40.0	48.1		ug/L		120	70 - 125
trans-1,3-Dichloropropene	40.0	43.2		ug/L		108	62 - 128
1,2,3-Trichlorobenzene	40.0	38.3		ug/L		96	51 - 145
1,2,4-Trichlorobenzene	40.0	40.3		ug/L		101	57 - 137
1,1,1-Trichloroethane	40.0	48.5		ug/L		121	70 - 125
1,1,2-Trichloroethane	40.0	42.8		ug/L		107	71 - 130

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-732682/5
Matrix: Water
Analysis Batch: 732682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	40.0	47.2		ug/L		118	70 - 125
Trichlorofluoromethane	40.0	59.3	*	ug/L		148	55 - 128
1,2,3-Trichloropropane	40.0	41.8		ug/L		105	50 - 133
1,2,4-Trimethylbenzene	40.0	43.6		ug/L		109	70 - 123
1,3,5-Trimethylbenzene	40.0	43.7		ug/L		109	70 - 123
Vinyl chloride	40.0	51.8	*	ug/L		129	64 - 126
Xylenes, Total	80.0	86.3		ug/L		108	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 929 Labarge Rd Raw
Lab Sample ID: 500-239119-1
Date Collected: 09/05/23 08:00
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	732246	W1T	EET CHI	09/14/23 14:45

Client Sample ID: 929 Labarge Rd DW
Lab Sample ID: 500-239119-2
Date Collected: 09/05/23 08:05
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732246	W1T	EET CHI	09/14/23 15:11

Client Sample ID: 790 Holden Ln Raw
Lab Sample ID: 500-239119-3
Date Collected: 09/05/23 09:00
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732246	W1T	EET CHI	09/14/23 15:38

Client Sample ID: 807 Hillside Trl Raw
Lab Sample ID: 500-239119-4
Date Collected: 09/05/23 09:15
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732246	W1T	EET CHI	09/14/23 16:04

Client Sample ID: 807 Hillside Trl DW
Lab Sample ID: 500-239119-5
Date Collected: 09/05/23 09:20
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732246	W1T	EET CHI	09/14/23 16:31

Client Sample ID: 963 Florence Ln Raw
Lab Sample ID: 500-239119-6
Date Collected: 09/05/23 09:30
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732246	W1T	EET CHI	09/14/23 16:57

Client Sample ID: 954 Fraser Ln Raw
Lab Sample ID: 500-239119-7
Date Collected: 09/05/23 09:45
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732246	W1T	EET CHI	09/14/23 17:24

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 844 Hillside Trl Raw
Lab Sample ID: 500-239119-8
Date Collected: 09/05/23 10:00
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732246	W1T	EET CHI	09/14/23 17:51

Client Sample ID: 692 McCutcheon Rd Raw
Lab Sample ID: 500-239119-9
Date Collected: 09/05/23 10:15
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732469	W1T	EET CHI	09/15/23 16:43

Client Sample ID: 941 Pup Cir. Raw
Lab Sample ID: 500-239119-10
Date Collected: 09/05/23 10:30
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732469	W1T	EET CHI	09/15/23 17:07

Client Sample ID: 941 Pup Cir. DW
Lab Sample ID: 500-239119-11
Date Collected: 09/05/23 10:35
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732682	W1T	EET CHI	09/18/23 17:04

Client Sample ID: 693 Pine Timber Ln Raw
Lab Sample ID: 500-239119-12
Date Collected: 09/05/23 12:00
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732469	W1T	EET CHI	09/15/23 17:55

Client Sample ID: 693 Pine Timber Ln DW
Lab Sample ID: 500-239119-13
Date Collected: 09/05/23 12:05
Matrix: Water
Date Received: 09/06/23 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	732682	W1T	EET CHI	09/18/23 17:30

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-239119-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

Eurofins Chicago
241 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

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Client Information	Sampler: RMS	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-114171-47098 1
Client Contact: Anna Beckman	Phone:	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: Cedar Corporation	PWSID:	Analysis Requested		Job #: 500-239119
Address: 604 Wilson Avenue	Due Date Requested:			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify), Other:
City: Menomonie	TAT Requested (days):			
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No			
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required			
Email: anna beckman@cedarcorp com	WO #:			
Project Name: ~~Stock - Menomoni~~ Junker Landfill	Project #: ~~50006556~~			
Site: Residentials	SSOW#:			

500-239119 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1 929 Labarge Rd Raw	9/5/23	0800	G	Water			X		
2 929 Labarge Rd DW		0805		Water			X		
3 790 Holden Ln Raw		1900		Water			X		
4 807 Hillside Trl Raw		0915		Water			X		
5 807 Hillside Trl DW		0920		Water			X		
6 963 Florence Ln Raw		0930		Water			X		
7 954 Fraser Ln Raw		0945		Water			X		
8 844 Hillside Trl Raw		1000		Water			X		
9 692 McCutcheon Rd Raw		1015		Water			X		
10 941 Pup Cir Raw		1030		Water			X		
11 941 Pup Cir. DW	↓	1035	↓	Water			X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9/5/23 1505	Cedar Corp	[signature]	9/6/23 1005	EEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes No	Custody Seal No:	Cooler Temperature(s) °C and Other Remarks: 5.9-7.8

Chicago
2417 Bond Street

University Park, IL 60466
phone 708 534 5200 fax 708 534 5363

eurofins Environment Testing America

Chain of Custody Record

Client Contact	Project Manager: Mitch Evenson	Site Contact: Deree Sutten	Date:	COC No
Company Cedar Corporation	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
Address 104 Wilson Ave	Analysis Turnaround Time			Job No 500-239119
City/State/Zip Menomonie, WI 54751	Calendar (C) or Work Days (W) ____			SDG No
Phone 715-235-9081	TAT if different from Below ____			
Fax	☐ 2 weeks			
Project Name Junker LF Residentials	☐ 1 week			
Site	☐ 2 days			
PO #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample VOCs	Sample Specific Notes
12 093 Pine Timber Ln Raw	9/5/23	1200	G	W	3	X	
13 093 Pine Timber Ln DW	9/5/23	1205	↓	↓	↓	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* ____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	Cedar corp.	9/5/23 1510	[signature]	9/6/23	1005
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-239119-1

Login Number: 239119
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Evenson
Cedar Corporation
604 Wilson Avenue
Menomonie, Wisconsin 54751

Generated 9/29/2023 10:32:33 PM

JOB DESCRIPTION

Junker LF Residentials

JOB NUMBER

500-239757-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization

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Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

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Job ID: 500-239757-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-239757-1

Receipt
The samples were received on 9/19/2023 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA
Method 8260D: Acetone was detected in the following samples: 962 Bakken Rd Raw (500-239757-1), 953 Labarge Rd Raw (500-239757-2), 932 Labarge Rd Raw (500-239757-3), 932 Labarge Rd Barn Raw (500-239757-4), 927 Coyote Ln Raw (500-239757-5), 890 Hillside Trl Raw (500-239757-6) and 890 Hillside Trl DW (500-239757-7). Acetone is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

The continuing calibration verification (CCV) associated with the following had compounds outside 20% drift for method 8260D. Where applicable, a standard was analyzed at the reporting limit (CCVL) and analyses were able to continue, as low failing compounds were detected. Any detects for these out of control compounds should be considered estimates.WB-234-1-3 (500-239706-1), WB-234-5-6.5 (500-239706-2), WB-250-0.5-2 (500-239706-3), WB-250-7-8 (500-239706-4), WB-235-0.5-2.5 (500-239706-5), WB-235-7.5-9.5 (500-239706-6), WB-252-0-1.75 (500-239706-7), WB-252-5-7 (500-239706-8), WB-253-1-3 (500-239706-9), WB-253-7.25-9.25 (500-239706-10), WB-253-11.5-13 (500-239706-11), WB-236-0.5-2.5 (500-239706-12), WB-236-7.5-8.5 (500-239706-13), WB-254-1-2.25 (500-239706-14), WB-254-5-6.5 (500-239706-15), WB-255-1-3 (500-239706-16), WB-255-5-6 (500-239706-17), WB-255-12-13 (500-239706-18), TB-Soil-09142023 (500-239706-19), 962 Bakken Rd Raw (500-239757-1), 953 Labarge Rd Raw (500-239757-2), 932 Labarge Rd Raw (500-239757-3), 932 Labarge Rd Barn Raw (500-239757-4), 927 Coyote Ln Raw (500-239757-5), 890 Hillside Trl Raw (500-239757-6), 890 Hillside Trl DW (500-239757-7), MW-1 (500-239822-1), MW-2 (500-239822-2), MW-2A (500-239822-3), MW-3 (500-239822-4), MW-4 (500-239822-5), MW-5 (500-239822-6), MW-6 (500-239822-7), LS-1 (500-239822-8) and LC-1 (Leachate) (500-239822-9)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 962 Bakken Rd Raw — Lab Sample ID: 500-239757-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.4	J	10	1.7	ug/L	1		8260D	Total/NA
Trichloroethene	0.65		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 953 Labarge Rd Raw — Lab Sample ID: 500-239757-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.9	J	10	1.7	ug/L	1		8260D	Total/NA
Trichloroethene	1.3		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 932 Labarge Rd Raw — Lab Sample ID: 500-239757-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.2	J	10	1.7	ug/L	1		8260D	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 932 Labarge Rd Barn Raw — Lab Sample ID: 500-239757-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.6	J	10	1.7	ug/L	1		8260D	Total/NA

Client Sample ID: 927 Coyote Ln Raw — Lab Sample ID: 500-239757-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.9	J	10	1.7	ug/L	1		8260D	Total/NA
Trichloroethene	1.1		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 890 Hillside Trl Raw — Lab Sample ID: 500-239757-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	1.7	ug/L	1		8260D	Total/NA
Trichloroethene	1.9		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: 890 Hillside Trl DW — Lab Sample ID: 500-239757-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.9	J	10	1.7	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-239757-1	962 Bakken Rd Raw	Water	09/18/23 09:00	09/19/23 09:20
500-239757-2	953 Labarge Rd Raw	Water	09/18/23 09:15	09/19/23 09:20
500-239757-3	932 Labarge Rd Raw	Water	09/18/23 09:30	09/19/23 09:20
500-239757-4	932 Labarge Rd Barn Raw	Water	09/18/23 09:35	09/19/23 09:20
500-239757-5	927 Coyote Ln Raw	Water	09/18/23 09:45	09/19/23 09:20
500-239757-6	890 Hillside Trl Raw	Water	09/18/23 10:00	09/19/23 09:20
500-239757-7	890 Hillside Trl DW	Water	09/18/23 10:05	09/19/23 09:20

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 962 Bakken Rd Raw

Date Collected: 09/18/23 09:00
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**9.4**	**J**	10	1.7	ug/L			09/28/23 00:10	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 00:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 00:10	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 00:10	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 00:10	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 00:10	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 00:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 00:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 00:10	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 00:10	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 00:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 00:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 00:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 00:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 00:10	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 00:10	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 00:10	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 00:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 00:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 00:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 00:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 00:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 00:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 00:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 00:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 00:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 00:10	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 00:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 00:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 00:10	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:10	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:10	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 00:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 00:10	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 00:10	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 962 Bakken Rd Raw
Date Collected: 09/18/23 09:00
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 00:10	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 00:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 00:10	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 00:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 00:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 00:10	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 00:10	1
Trichloroethene	**0.65**		0.50	0.16	ug/L			09/28/23 00:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:10	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 00:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 00:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 00:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*09/28/23 00:10*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*09/28/23 00:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*09/28/23 00:10*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*09/28/23 00:10*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 953 Labarge Rd Raw

Date Collected: 09/18/23 09:15
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.9**	**J**	10	1.7	ug/L			09/28/23 00:34	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 00:34	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 00:34	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 00:34	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 00:34	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 00:34	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 00:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 00:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 00:34	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 00:34	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 00:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 00:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 00:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 00:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 00:34	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 00:34	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 00:34	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 00:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 00:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 00:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 00:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 00:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 00:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 00:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 00:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 00:34	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 00:34	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 00:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 00:34	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 00:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:34	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:34	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 00:34	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 00:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 00:34	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 953 Labarge Rd Raw
Date Collected: 09/18/23 09:15
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 00:34	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 00:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 00:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 00:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 00:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 00:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 00:34	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			09/28/23 00:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 00:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 00:34	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 00:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*09/28/23 00:34*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*09/28/23 00:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*09/28/23 00:34*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*09/28/23 00:34*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 932 Labarge Rd Raw

Date Collected: 09/18/23 09:30
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.2**	**J**	10	1.7	ug/L			09/28/23 00:58	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 00:58	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:58	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 00:58	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 00:58	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 00:58	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 00:58	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 00:58	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 00:58	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 00:58	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 00:58	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 00:58	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 00:58	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 00:58	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 00:58	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 00:58	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 00:58	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 00:58	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 00:58	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 00:58	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:58	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 00:58	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 00:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 00:58	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 00:58	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 00:58	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 00:58	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 00:58	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 00:58	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 00:58	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 00:58	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 00:58	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:58	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:58	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 00:58	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 00:58	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 00:58	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 932 Labarge Rd Raw
Date Collected: 09/18/23 09:30
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 00:58	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 00:58	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 00:58	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 00:58	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 00:58	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 00:58	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 00:58	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			09/28/23 00:58	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:58	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 00:58	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 00:58	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 00:58	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*09/28/23 00:58*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*09/28/23 00:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*09/28/23 00:58*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/28/23 00:58*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 932 Labarge Rd Barn Raw
Date Collected: 09/18/23 09:35
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.6	J	10	1.7	ug/L			09/28/23 01:22	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 01:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 01:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 01:22	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 01:22	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 01:22	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 01:22	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 01:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 01:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 01:22	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 01:22	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 01:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 01:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 01:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 01:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 01:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 01:22	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 01:22	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 01:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 01:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 01:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 01:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 01:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 01:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 01:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 01:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 01:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 01:22	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 01:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 01:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 01:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:22	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 01:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 01:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 01:22	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 932 Labarge Rd Barn Raw
Date Collected: 09/18/23 09:35
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 01:22	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 01:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 01:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 01:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 01:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 01:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 01:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/28/23 01:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 01:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 01:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 01:22	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 01:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*09/28/23 01:22*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*09/28/23 01:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*09/28/23 01:22*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*09/28/23 01:22*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 927 Coyote Ln Raw

Date Collected: 09/18/23 09:45
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.9**	**J**	10	1.7	ug/L			09/28/23 01:47	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 01:47	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 01:47	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 01:47	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 01:47	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 01:47	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 01:47	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 01:47	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 01:47	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 01:47	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 01:47	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 01:47	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 01:47	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 01:47	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 01:47	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 01:47	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 01:47	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 01:47	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 01:47	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 01:47	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:47	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 01:47	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 01:47	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 01:47	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 01:47	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 01:47	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 01:47	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 01:47	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 01:47	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 01:47	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 01:47	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 01:47	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:47	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:47	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 01:47	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 01:47	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 01:47	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 927 Coyote Ln Raw
Date Collected: 09/18/23 09:45
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 01:47	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 01:47	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 01:47	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 01:47	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 01:47	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 01:47	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 01:47	1
Trichloroethene	**1.1**		0.50	0.16	ug/L			09/28/23 01:47	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 01:47	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 01:47	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 01:47	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 01:47	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*09/28/23 01:47*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*09/28/23 01:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*09/28/23 01:47*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/28/23 01:47*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 890 Hillside Trl Raw

Date Collected: 09/18/23 10:00
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.4**	**J**	10	1.7	ug/L			09/28/23 02:11	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 02:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 02:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 02:11	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 02:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 02:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 02:11	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 02:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 02:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 02:11	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 02:11	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 02:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 02:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 02:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 02:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 02:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 02:11	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 02:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 02:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 02:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 02:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 02:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 02:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 02:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 02:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 02:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 02:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 02:11	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 02:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 02:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 02:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:11	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 02:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 02:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 02:11	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 890 Hillside Trl Raw
Date Collected: 09/18/23 10:00
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 02:11	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 02:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 02:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 02:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 02:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 02:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 02:11	1
Trichloroethene	**1.9**		0.50	0.16	ug/L			09/28/23 02:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 02:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 02:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 02:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 02:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*09/28/23 02:11*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*09/28/23 02:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*09/28/23 02:11*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*09/28/23 02:11*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 890 Hillside Trl DW

Date Collected: 09/18/23 10:05
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.9**	**J**	10	1.7	ug/L			09/28/23 02:36	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 02:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 02:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 02:36	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 02:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 02:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 02:36	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 02:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 02:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 02:36	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 02:36	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 02:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 02:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 02:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 02:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 02:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 02:36	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 02:36	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 02:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 02:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 02:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 02:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 02:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 02:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 02:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 02:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 02:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 02:36	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 02:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 02:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 02:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:36	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 02:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 02:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 02:36	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 890 Hillside Trl DW
Date Collected: 09/18/23 10:05
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 02:36	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 02:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 02:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 02:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 02:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 02:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 02:36	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/28/23 02:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 02:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 02:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 02:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 02:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*09/28/23 02:36*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*09/28/23 02:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*09/28/23 02:36*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/28/23 02:36*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

GC/MS VOA

Analysis Batch: 734331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239757-1	962 Bakken Rd Raw	Total/NA	Water	8260D	
500-239757-2	953 Labarge Rd Raw	Total/NA	Water	8260D	
500-239757-3	932 Labarge Rd Raw	Total/NA	Water	8260D	
500-239757-4	932 Labarge Rd Barn Raw	Total/NA	Water	8260D	
500-239757-5	927 Coyote Ln Raw	Total/NA	Water	8260D	
500-239757-6	890 Hillside Trl Raw	Total/NA	Water	8260D	
500-239757-7	890 Hillside Trl DW	Total/NA	Water	8260D	
MB 500-734331/6	Method Blank	Total/NA	Water	8260D	
LCS 500-734331/4	Lab Control Sample	Total/NA	Water	8260D	
500-239757-1 MS	962 Bakken Rd Raw	Total/NA	Water	8260D	
500-239757-1 MSD	962 Bakken Rd Raw	Total/NA	Water	8260D	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-239757-1	962 Bakken Rd Raw	102	92	94	95
500-239757-1 MS	962 Bakken Rd Raw	101	98	95	92
500-239757-1 MSD	962 Bakken Rd Raw	97	97	95	94
500-239757-2	953 Labarge Rd Raw	106	93	92	97
500-239757-3	932 Labarge Rd Raw	106	93	93	96
500-239757-4	932 Labarge Rd Barn Raw	103	93	94	95
500-239757-5	927 Coyote Ln Raw	104	93	93	96
500-239757-6	890 Hillside Trl Raw	102	96	95	95
500-239757-7	890 Hillside Trl DW	107	94	94	96
LCS 500-734331/4	Lab Control Sample	97	97	94	95
MB 500-734331/6	Method Blank	105	93	93	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-734331/6
Matrix: Water
Analysis Batch: 734331

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/27/23 23:20	1
Benzene	<0.15		0.50	0.15	ug/L			09/27/23 23:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/27/23 23:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/27/23 23:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/27/23 23:20	1
Bromoform	<0.48		1.0	0.48	ug/L			09/27/23 23:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/27/23 23:20	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/27/23 23:20	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/27/23 23:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/27/23 23:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/27/23 23:20	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/27/23 23:20	1
Chloroform	<0.37		2.0	0.37	ug/L			09/27/23 23:20	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/27/23 23:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/27/23 23:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/27/23 23:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/27/23 23:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/27/23 23:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/27/23 23:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/27/23 23:20	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/27/23 23:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/27/23 23:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/27/23 23:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/27/23 23:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/27/23 23:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/27/23 23:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/27/23 23:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/27/23 23:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/27/23 23:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/27/23 23:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/27/23 23:20	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/27/23 23:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/27/23 23:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/27/23 23:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/27/23 23:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/27/23 23:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/27/23 23:20	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/27/23 23:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/27/23 23:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/27/23 23:20	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/27/23 23:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/27/23 23:20	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/27/23 23:20	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/27/23 23:20	1
Styrene	<0.39		1.0	0.39	ug/L			09/27/23 23:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/27/23 23:20	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/27/23 23:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/27/23 23:20	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-734331/6
Matrix: Water
Analysis Batch: 734331

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/27/23 23:20	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/27/23 23:20	1
Toluene	<0.15		0.50	0.15	ug/L			09/27/23 23:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/27/23 23:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/27/23 23:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/27/23 23:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/27/23 23:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/27/23 23:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/27/23 23:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/27/23 23:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/27/23 23:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/27/23 23:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/27/23 23:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/27/23 23:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/27/23 23:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/27/23 23:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*09/27/23 23:20*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*09/27/23 23:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*09/27/23 23:20*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*09/27/23 23:20*	*1*

Lab Sample ID: LCS 500-734331/4
Matrix: Water
Analysis Batch: 734331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	40.0		ug/L		80	40 - 143
Benzene	50.0	45.5		ug/L		91	70 - 120
Bromobenzene	50.0	48.5		ug/L		97	70 - 122
Bromochloromethane	50.0	46.8		ug/L		94	65 - 122
Bromodichloromethane	50.0	43.7		ug/L		87	69 - 120
Bromoform	50.0	40.3		ug/L		81	56 - 132
Bromomethane	50.0	50.0		ug/L		100	40 - 152
2-Butanone (MEK)	50.0	43.6		ug/L		87	46 - 144
Carbon disulfide	50.0	44.1		ug/L		88	66 - 120
Carbon tetrachloride	50.0	49.0		ug/L		98	59 - 133
Chlorobenzene	50.0	47.5		ug/L		95	70 - 120
Chloroethane	50.0	48.3		ug/L		97	48 - 136
Chloroform	50.0	45.8		ug/L		92	70 - 120
Chloromethane	50.0	45.6		ug/L		91	56 - 152
2-Chlorotoluene	50.0	45.4		ug/L		91	70 - 125
4-Chlorotoluene	50.0	46.5		ug/L		93	68 - 124
cis-1,2-Dichloroethene	50.0	46.2		ug/L		92	70 - 125
cis-1,3-Dichloropropene	50.0	43.5		ug/L		87	64 - 127
Dibromochloromethane	50.0	42.0		ug/L		84	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	35.4		ug/L		71	56 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-734331/4
Matrix: Water
Analysis Batch: 734331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	50.0	44.5		ug/L		89	70 - 125
Dibromomethane	50.0	44.6		ug/L		89	70 - 120
1,2-Dichlorobenzene	50.0	45.0		ug/L		90	70 - 125
1,3-Dichlorobenzene	50.0	47.1		ug/L		94	70 - 125
1,4-Dichlorobenzene	50.0	46.1		ug/L		92	70 - 120
Dichlorodifluoromethane	50.0	57.0		ug/L		114	40 - 159
1,1-Dichloroethane	50.0	45.1		ug/L		90	70 - 125
1,2-Dichloroethane	50.0	46.7		ug/L		93	68 - 127
1,1-Dichloroethene	50.0	46.5		ug/L		93	67 - 122
1,2-Dichloropropane	50.0	44.9		ug/L		90	67 - 130
1,3-Dichloropropane	50.0	45.8		ug/L		92	62 - 136
2,2-Dichloropropane	50.0	45.8		ug/L		92	58 - 139
1,1-Dichloropropene	50.0	48.5		ug/L		97	70 - 121
Ethylbenzene	50.0	45.9		ug/L		92	70 - 123
Hexachlorobutadiene	50.0	55.7		ug/L		111	51 - 150
Isopropylbenzene	50.0	47.1		ug/L		94	70 - 126
4-Isopropyltoluene	50.0	48.1		ug/L		96	70 - 125
Methylene Chloride	50.0	42.7		ug/L		85	69 - 125
Methyl tert-butyl ether	50.0	48.2		ug/L		96	55 - 123
Naphthalene	50.0	36.9		ug/L		74	53 - 144
n-Butylbenzene	50.0	44.4		ug/L		89	68 - 125
N-Propylbenzene	50.0	46.5		ug/L		93	69 - 127
sec-Butylbenzene	50.0	47.1		ug/L		94	70 - 123
Styrene	50.0	46.1		ug/L		92	70 - 120
tert-Butylbenzene	50.0	48.4		ug/L		97	70 - 121
1,1,1,2-Tetrachloroethane	50.0	44.3		ug/L		89	70 - 125
1,1,2,2-Tetrachloroethane	50.0	40.5		ug/L		81	62 - 140
Tetrachloroethene	50.0	52.5		ug/L		105	70 - 128
Tetrahydrofuran	100	80.8		ug/L		81	59 - 139
Toluene	50.0	43.2		ug/L		86	70 - 125
trans-1,2-Dichloroethene	50.0	46.3		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	42.4		ug/L		85	62 - 128
1,2,3-Trichlorobenzene	50.0	42.4		ug/L		85	51 - 145
1,2,4-Trichlorobenzene	50.0	44.1		ug/L		88	57 - 137
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	70 - 125
1,1,2-Trichloroethane	50.0	43.1		ug/L		86	71 - 130
Trichloroethene	50.0	50.3		ug/L		101	70 - 125
Trichlorofluoromethane	50.0	52.0		ug/L		104	55 - 128
1,2,3-Trichloropropane	50.0	44.6		ug/L		89	50 - 133
1,2,4-Trimethylbenzene	50.0	46.1		ug/L		92	70 - 123
1,3,5-Trimethylbenzene	50.0	47.1		ug/L		94	70 - 123
Vinyl chloride	50.0	48.5		ug/L		97	64 - 126
Xylenes, Total	100	92.0		ug/L		92	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-734331/4
Matrix: Water
Analysis Batch: 734331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Sample ID: 500-239757-1 MS
Matrix: Water
Analysis Batch: 734331

Client Sample ID: 962 Bakken Rd Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	9.4	J	50.0	38.7		ug/L		59	40 - 143
Benzene	<0.15		50.0	39.7		ug/L		79	70 - 120
Bromobenzene	<0.36		50.0	43.3		ug/L		87	70 - 122
Bromochloromethane	<0.43		50.0	41.0		ug/L		82	65 - 122
Bromodichloromethane	<0.37		50.0	38.2		ug/L		76	69 - 120
Bromoform	<0.48		50.0	33.2		ug/L		66	56 - 132
Bromomethane	<0.80		50.0	52.2		ug/L		104	40 - 152
2-Butanone (MEK)	<2.1		50.0	38.1		ug/L		76	46 - 144
Carbon disulfide	<0.45		50.0	37.2		ug/L		74	66 - 120
Carbon tetrachloride	<0.38		50.0	41.5		ug/L		83	59 - 133
Chlorobenzene	<0.39		50.0	40.4		ug/L		81	70 - 120
Chloroethane	<0.51		50.0	48.5		ug/L		97	48 - 136
Chloroform	<0.37		50.0	39.5		ug/L		79	70 - 120
Chloromethane	<0.32		50.0	46.0		ug/L		92	56 - 152
2-Chlorotoluene	<0.31		50.0	39.8		ug/L		80	70 - 125
4-Chlorotoluene	<0.35		50.0	39.8		ug/L		80	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	39.8		ug/L		80	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	36.2		ug/L		72	64 - 127
Dibromochloromethane	<0.49		50.0	35.3		ug/L		71	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0	^c	50.0	29.7		ug/L		59	56 - 123
1,2-Dibromoethane (EDB)	<0.39		50.0	39.4		ug/L		79	70 - 125
Dibromomethane	<0.27		50.0	39.1		ug/L		78	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	39.3		ug/L		79	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	39.8		ug/L		80	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	38.8		ug/L		78	70 - 120
Dichlorodifluoromethane	<0.67		50.0	56.9		ug/L		114	40 - 159
1,1-Dichloroethane	<0.41		50.0	38.7		ug/L		77	70 - 125
1,2-Dichloroethane	<0.39		50.0	40.8		ug/L		82	68 - 127
1,1-Dichloroethene	<0.39		50.0	40.1		ug/L		80	67 - 122
1,2-Dichloropropane	<0.43		50.0	39.1		ug/L		78	67 - 130
1,3-Dichloropropane	<0.36		50.0	40.5		ug/L		81	62 - 136
2,2-Dichloropropane	<0.44		50.0	38.5		ug/L		77	58 - 139
1,1-Dichloropropene	<0.30		50.0	41.2		ug/L		82	70 - 121
Ethylbenzene	<0.18		50.0	38.2		ug/L		76	70 - 123
Hexachlorobutadiene	<0.45		50.0	47.1		ug/L		94	51 - 150
Isopropylbenzene	<0.39		50.0	41.2		ug/L		82	70 - 126
4-Isopropyltoluene	<0.36		50.0	40.6		ug/L		81	70 - 125
Methylene Chloride	<1.6		50.0	38.3		ug/L		77	69 - 125
Methyl tert-butyl ether	<0.39		50.0	43.0		ug/L		86	55 - 123
Naphthalene	<0.34	^c	50.0	32.6		ug/L		65	53 - 144
n-Butylbenzene	<0.39		50.0	36.6		ug/L		73	68 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-239757-1 MS
Matrix: Water
Analysis Batch: 734331

Client Sample ID: 962 Bakken Rd Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
N-Propylbenzene	<0.41		50.0	39.6		ug/L		79	69 - 127
sec-Butylbenzene	<0.40		50.0	40.3		ug/L		81	70 - 123
Styrene	<0.39		50.0	38.4		ug/L		77	70 - 120
tert-Butylbenzene	<0.40		50.0	42.0		ug/L		84	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	37.1		ug/L		74	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	35.8		ug/L		72	62 - 140
Tetrachloroethene	<0.37		50.0	43.0		ug/L		86	70 - 128
Tetrahydrofuran	<1.9		100	70.8		ug/L		71	59 - 139
Toluene	<0.15		50.0	36.7		ug/L		73	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	40.3		ug/L		81	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	36.1		ug/L		72	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	35.6		ug/L		71	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	35.2		ug/L		70	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	42.1		ug/L		84	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	36.9		ug/L		74	71 - 130
Trichloroethene	0.65		50.0	43.1		ug/L		85	70 - 125
Trichlorofluoromethane	<0.43		50.0	51.8		ug/L		104	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	41.6		ug/L		83	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	39.7		ug/L		79	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	40.6		ug/L		81	70 - 123
Vinyl chloride	<0.20		50.0	49.3		ug/L		99	64 - 126
Xylenes, Total	<0.22		100	76.7		ug/L		77	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*
Toluene-d8 (Surr)	*92*		*75 - 120*

Lab Sample ID: 500-239757-1 MSD
Matrix: Water
Analysis Batch: 734331

Client Sample ID: 962 Bakken Rd Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	9.4	J	50.0	43.2		ug/L		68	40 - 143	11	20
Benzene	<0.15		50.0	43.8		ug/L		88	70 - 120	10	20
Bromobenzene	<0.36		50.0	45.8		ug/L		92	70 - 122	6	20
Bromochloromethane	<0.43		50.0	44.0		ug/L		88	65 - 122	7	20
Bromodichloromethane	<0.37		50.0	42.5		ug/L		85	69 - 120	11	20
Bromoform	<0.48		50.0	36.6		ug/L		73	56 - 132	10	20
Bromomethane	<0.80		50.0	41.2	F2	ug/L		82	40 - 152	24	20
2-Butanone (MEK)	<2.1		50.0	41.2		ug/L		82	46 - 144	8	20
Carbon disulfide	<0.45		50.0	40.8		ug/L		82	66 - 120	9	20
Carbon tetrachloride	<0.38		50.0	45.6		ug/L		91	59 - 133	9	20
Chlorobenzene	<0.39		50.0	45.1		ug/L		90	70 - 120	11	20
Chloroethane	<0.51		50.0	38.3	F2	ug/L		77	48 - 136	24	20
Chloroform	<0.37		50.0	43.6		ug/L		87	70 - 120	10	20
Chloromethane	<0.32		50.0	36.9	F2	ug/L		74	56 - 152	22	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 500-239757-1 MSD
Matrix: Water
Analysis Batch: 734331

Client Sample ID: 962 Bakken Rd Raw
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chlorotoluene	<0.31		50.0	42.4		ug/L		85	70 - 125	6	20
4-Chlorotoluene	<0.35		50.0	43.4		ug/L		87	68 - 124	9	20
cis-1,2-Dichloroethene	<0.41		50.0	44.3		ug/L		89	70 - 125	11	20
cis-1,3-Dichloropropene	<0.42		50.0	40.9		ug/L		82	64 - 127	12	20
Dibromochloromethane	<0.49		50.0	38.8		ug/L		78	68 - 125	9	20
1,2-Dibromo-3-Chloropropane	<2.0	^c	50.0	30.9		ug/L		62	56 - 123	4	20
1,2-Dibromoethane (EDB)	<0.39		50.0	42.9		ug/L		86	70 - 125	9	20
Dibromomethane	<0.27		50.0	42.8		ug/L		86	70 - 120	9	20
1,2-Dichlorobenzene	<0.33		50.0	41.7		ug/L		83	70 - 125	6	20
1,3-Dichlorobenzene	<0.40		50.0	42.7		ug/L		85	70 - 125	7	20
1,4-Dichlorobenzene	<0.36		50.0	42.4		ug/L		85	70 - 120	9	20
Dichlorodifluoromethane	<0.67		50.0	45.8	F2	ug/L		92	40 - 159	22	20
1,1-Dichloroethane	<0.41		50.0	42.2		ug/L		84	70 - 125	9	20
1,2-Dichloroethane	<0.39		50.0	45.4		ug/L		91	68 - 127	11	20
1,1-Dichloroethene	<0.39		50.0	43.8		ug/L		88	67 - 122	9	20
1,2-Dichloropropane	<0.43		50.0	43.9		ug/L		88	67 - 130	12	20
1,3-Dichloropropane	<0.36		50.0	44.8		ug/L		90	62 - 136	10	20
2,2-Dichloropropane	<0.44		50.0	41.7		ug/L		83	58 - 139	8	20
1,1-Dichloropropene	<0.30		50.0	45.4		ug/L		91	70 - 121	10	20
Ethylbenzene	<0.18		50.0	43.2		ug/L		86	70 - 123	12	20
Hexachlorobutadiene	<0.45		50.0	50.1		ug/L		100	51 - 150	6	20
Isopropylbenzene	<0.39		50.0	43.2		ug/L		86	70 - 126	5	20
4-Isopropyltoluene	<0.36		50.0	43.2		ug/L		86	70 - 125	6	20
Methylene Chloride	<1.6		50.0	41.7		ug/L		83	69 - 125	9	20
Methyl tert-butyl ether	<0.39		50.0	46.0		ug/L		92	55 - 123	7	20
Naphthalene	<0.34	^c	50.0	34.1		ug/L		68	53 - 144	5	20
n-Butylbenzene	<0.39		50.0	39.9		ug/L		80	68 - 125	9	20
N-Propylbenzene	<0.41		50.0	42.0		ug/L		84	69 - 127	6	20
sec-Butylbenzene	<0.40		50.0	42.8		ug/L		86	70 - 123	6	20
Styrene	<0.39		50.0	43.1		ug/L		86	70 - 120	12	20
tert-Butylbenzene	<0.40		50.0	43.9		ug/L		88	70 - 121	4	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	41.2		ug/L		82	70 - 125	10	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	37.6		ug/L		75	62 - 140	5	20
Tetrachloroethene	<0.37		50.0	48.9		ug/L		98	70 - 128	13	20
Tetrahydrofuran	<1.9		100	76.9		ug/L		77	59 - 139	8	20
Toluene	<0.15		50.0	41.3		ug/L		83	70 - 125	12	20
trans-1,2-Dichloroethene	<0.35		50.0	43.9		ug/L		88	70 - 125	8	20
trans-1,3-Dichloropropene	<0.36		50.0	40.5		ug/L		81	62 - 128	12	20
1,2,3-Trichlorobenzene	<0.46		50.0	38.9		ug/L		78	51 - 145	9	20
1,2,4-Trichlorobenzene	<0.34		50.0	39.9		ug/L		80	57 - 137	12	20
1,1,1-Trichloroethane	<0.38		50.0	45.5		ug/L		91	70 - 125	8	20
1,1,2-Trichloroethane	<0.35		50.0	40.9		ug/L		82	71 - 130	10	20
Trichloroethene	0.65		50.0	47.4		ug/L		93	70 - 125	9	20
Trichlorofluoromethane	<0.43		50.0	41.8	F2	ug/L		84	55 - 128	21	20
1,2,3-Trichloropropane	<0.41		50.0	41.7		ug/L		83	50 - 133	0	20
1,2,4-Trimethylbenzene	<0.36		50.0	42.3		ug/L		85	70 - 123	6	20
1,3,5-Trimethylbenzene	<0.25		50.0	43.1		ug/L		86	70 - 123	6	20
Vinyl chloride	<0.20		50.0	39.9	F2	ug/L		80	64 - 126	21	20
Xylenes, Total	<0.22		100	85.3		ug/L		85	70 - 125	11	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
1,2-Dichloroethane-d4 (Surr)	95		75 - 126
Toluene-d8 (Surr)	94		75 - 120

Lab Chronicle

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 962 Bakken Rd Raw
Lab Sample ID: 500-239757-1
Date Collected: 09/18/23 09:00
Matrix: Water
Date Received: 09/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	734331	W1T	EET CHI	09/28/23 00:10

Client Sample ID: 953 Labarge Rd Raw
Lab Sample ID: 500-239757-2
Date Collected: 09/18/23 09:15
Matrix: Water
Date Received: 09/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	734331	W1T	EET CHI	09/28/23 00:34

Client Sample ID: 932 Labarge Rd Raw
Lab Sample ID: 500-239757-3
Date Collected: 09/18/23 09:30
Matrix: Water
Date Received: 09/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	734331	W1T	EET CHI	09/28/23 00:58

Client Sample ID: 932 Labarge Rd Barn Raw
Lab Sample ID: 500-239757-4
Date Collected: 09/18/23 09:35
Matrix: Water
Date Received: 09/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	734331	W1T	EET CHI	09/28/23 01:22

Client Sample ID: 927 Coyote Ln Raw
Lab Sample ID: 500-239757-5
Date Collected: 09/18/23 09:45
Matrix: Water
Date Received: 09/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	734331	W1T	EET CHI	09/28/23 01:47

Client Sample ID: 890 Hillside Trl Raw
Lab Sample ID: 500-239757-6
Date Collected: 09/18/23 10:00
Matrix: Water
Date Received: 09/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	734331	W1T	EET CHI	09/28/23 02:11

Client Sample ID: 890 Hillside Trl DW
Lab Sample ID: 500-239757-7
Date Collected: 09/18/23 10:05
Matrix: Water
Date Received: 09/19/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	734331	W1T	EET CHI	09/28/23 02:36

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-239757-1
Project/Site: Junker LF Residentials

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

500-239757 COC

Client Information	Sampler: RMS	Lab PM: Fredrick Sandie	COC No: 500-114171-47098 6
Client Contact: Anna Beckman	Phone:	E-Mail: Sandra Fredrick@et eurof nsus com	Page: Page 6 of 14
Company: Cedar Corporation	PWSID:	Analysis Requested	Job #: 500-239757
Address: 604 Wilson Avenue	Due Date Requested:		Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify); Other:
City: Menomonie	TAT Requested (days):		
State, Zip: WI 54751	Compliance Project: Δ Yes Δ No		
Phone: 715-235-9081(Tel)	PO #: Purchase Order not required		
Email: anna beckman@cedarcorp com	WO #:		
Project Name: ~~Stock - Menomoni~~ Junker LF Residentials	Project #: ~~50006556~~		
Site:	SSOW#:		

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOCs	Total Number of containers	Special Instructions/Note
				Preservation Code:						
1	9162 Bakken Rd Raw	9/18/23	0900	G	Water			X		
2	953 Labarge Rd Raw		0915		Water			X		
3	932 Labarge Rd Raw		0930		Water			X		
4	932 Labarge Rd Barn Raw		0935		Water			X		
5	927 Coyote Ln Raw		0945		Water			X		
6	890 Hillside Trl Raw		1000		Water			X		
7	890 Hillside Trl DW		1005		Water			X		
					Water					
					Water					
					Water					
					Water					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	9/18/23 1620	Cedar corp	Stephanie Hemanchey	9/19/23 0920	EEIA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No:	Cooler Temperature(s) °C and Other Remarks: 2.2+1.1

Ver 06/08/2017

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-239757-1

Login Number: 239757
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

LETTERS TO PRIVATE WELL OWNERS – ANALYTICAL RESULTS

Cedar CORPORATION
community infrastructure | architecture | environmental
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
800-472-7372
FAX 715-235-2727
www.cedarcorp.com

January 6, 2023

Matt Jefferis
674 Pine Timber Lane
Hudson, WI 54016

Dear Matt,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.2 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/12/22	12/20/22	1263170	75550	1.2	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Client Sample ID: 674 Pine Timber Ln Raw

Date Collected: 12/20/22 08:40
Date Received: 12/22/22 10:25

Lab Sample ID: 500-227269-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/01/23 17:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/01/23 17:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/01/23 17:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/01/23 17:43	1
Bromoform	<0.48		1.0	0.48	ug/L			01/01/23 17:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/01/23 17:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/01/23 17:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/01/23 17:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/01/23 17:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/01/23 17:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/01/23 17:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/01/23 17:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/01/23 17:43	1
Chloroform	<0.37		2.0	0.37	ug/L			01/01/23 17:43	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/01/23 17:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/01/23 17:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/01/23 17:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/01/23 17:43	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/01/23 17:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/01/23 17:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/01/23 17:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/01/23 17:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/01/23 17:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/01/23 17:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/01/23 17:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/01/23 17:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/01/23 17:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/01/23 17:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/01/23 17:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/01/23 17:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/01/23 17:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/01/23 17:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/01/23 17:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/01/23 17:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/01/23 17:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/01/23 17:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/01/23 17:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/01/23 17:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/01/23 17:43	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/01/23 17:43	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/01/23 17:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/01/23 17:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/01/23 17:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/01/23 17:43	1
Styrene	<0.39		1.0	0.39	ug/L			01/01/23 17:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/01/23 17:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/01/23 17:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/01/23 17:43	1
Toluene	<0.15		0.50	0.15	ug/L			01/01/23 17:43	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Client Sample ID: 674 Pine Timber Ln Raw
Date Collected: 12/20/22 08:40
Date Received: 12/22/22 10:25

Lab Sample ID: 500-227269-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/01/23 17:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/01/23 17:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/01/23 17:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/01/23 17:43	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			01/01/23 17:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/01/23 17:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/01/23 17:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/01/23 17:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/01/23 17:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/01/23 17:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/01/23 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*01/01/23 17:43*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*01/01/23 17:43*	*1*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*01/01/23 17:43*	*1*
Dibromofluoromethane (Surr)	*85*		*75 - 120*		*01/01/23 17:43*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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January 6, 2023

Martin & Carole Phillipson
856 Polen Drive
Hudson, WI 54016

Dear Martin & Carole,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
11/4/22	12/20/22	2595020	193420	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Client Sample ID: 856 Polen Dr. Raw
Date Collected: 12/20/22 09:00
Date Received: 12/22/22 10:25

Lab Sample ID: 500-227269-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/01/23 16:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/01/23 16:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/01/23 16:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/01/23 16:06	1
Bromoform	<0.48		1.0	0.48	ug/L			01/01/23 16:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/01/23 16:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/01/23 16:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/01/23 16:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/01/23 16:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/01/23 16:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/01/23 16:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/01/23 16:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/01/23 16:06	1
Chloroform	<0.37		2.0	0.37	ug/L			01/01/23 16:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/01/23 16:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/01/23 16:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/01/23 16:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/01/23 16:06	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/01/23 16:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/01/23 16:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/01/23 16:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/01/23 16:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/01/23 16:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/01/23 16:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/01/23 16:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/01/23 16:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/01/23 16:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/01/23 16:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/01/23 16:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/01/23 16:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/01/23 16:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/01/23 16:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/01/23 16:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/01/23 16:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/01/23 16:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/01/23 16:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/01/23 16:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/01/23 16:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/01/23 16:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/01/23 16:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/01/23 16:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/01/23 16:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/01/23 16:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/01/23 16:06	1
Styrene	<0.39		1.0	0.39	ug/L			01/01/23 16:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/01/23 16:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/01/23 16:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/01/23 16:06	1
Toluene	<0.15		0.50	0.15	ug/L			01/01/23 16:06	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Client Sample ID: 856 Polen Dr. Raw
Date Collected: 12/20/22 09:00
Date Received: 12/22/22 10:25

Lab Sample ID: 500-227269-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/01/23 16:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/01/23 16:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/01/23 16:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/01/23 16:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/01/23 16:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/01/23 16:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/01/23 16:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/01/23 16:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/01/23 16:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/01/23 16:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/01/23 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*01/01/23 16:06*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*01/01/23 16:06*	*1*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*01/01/23 16:06*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*01/01/23 16:06*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Client Sample ID: 856 Polen Dr. DW

Date Collected: 12/20/22 09:05
Date Received: 12/22/22 10:25

Lab Sample ID: 500-227269-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/01/23 16:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/01/23 16:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/01/23 16:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/01/23 16:31	1
Bromoform	<0.48		1.0	0.48	ug/L			01/01/23 16:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/01/23 16:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/01/23 16:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/01/23 16:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/01/23 16:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/01/23 16:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/01/23 16:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/01/23 16:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/01/23 16:31	1
Chloroform	<0.37		2.0	0.37	ug/L			01/01/23 16:31	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/01/23 16:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/01/23 16:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/01/23 16:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/01/23 16:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/01/23 16:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/01/23 16:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/01/23 16:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/01/23 16:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/01/23 16:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/01/23 16:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/01/23 16:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/01/23 16:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/01/23 16:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/01/23 16:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/01/23 16:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/01/23 16:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/01/23 16:31	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/01/23 16:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/01/23 16:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/01/23 16:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/01/23 16:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/01/23 16:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/01/23 16:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/01/23 16:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/01/23 16:31	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/01/23 16:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/01/23 16:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/01/23 16:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/01/23 16:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/01/23 16:31	1
Styrene	<0.39		1.0	0.39	ug/L			01/01/23 16:31	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/01/23 16:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/01/23 16:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/01/23 16:31	1
Toluene	<0.15		0.50	0.15	ug/L			01/01/23 16:31	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Client Sample ID: 856 Polen Dr. DW
Date Collected: 12/20/22 09:05
Date Received: 12/22/22 10:25

Lab Sample ID: 500-227269-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/01/23 16:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/01/23 16:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/01/23 16:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/01/23 16:31	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/01/23 16:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/01/23 16:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/01/23 16:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/01/23 16:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/01/23 16:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/01/23 16:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/01/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*01/01/23 16:31*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*01/01/23 16:31*	*1*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*01/01/23 16:31*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 120*		*01/01/23 16:31*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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January 6, 2023

Chris & Erica Matson
896 Young Road
Hudson, WI 54016

Dear Chris & Erica,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 4.3 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/14/22	12/20/22	1849600	90550	4.3	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Client Sample ID: 896 Young Rd Raw

Date Collected: 12/20/22 13:10
Date Received: 12/22/22 10:25

Lab Sample ID: 500-227269-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/01/23 16:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/01/23 16:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/01/23 16:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/01/23 16:55	1
Bromoform	<0.48		1.0	0.48	ug/L			01/01/23 16:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/01/23 16:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/01/23 16:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/01/23 16:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/01/23 16:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/01/23 16:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/01/23 16:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/01/23 16:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/01/23 16:55	1
Chloroform	<0.37		2.0	0.37	ug/L			01/01/23 16:55	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/01/23 16:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/01/23 16:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/01/23 16:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/01/23 16:55	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/01/23 16:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/01/23 16:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/01/23 16:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/01/23 16:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/01/23 16:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/01/23 16:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/01/23 16:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/01/23 16:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/01/23 16:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/01/23 16:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/01/23 16:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/01/23 16:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/01/23 16:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/01/23 16:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/01/23 16:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/01/23 16:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/01/23 16:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/01/23 16:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/01/23 16:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/01/23 16:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/01/23 16:55	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/01/23 16:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/01/23 16:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/01/23 16:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/01/23 16:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/01/23 16:55	1
Styrene	<0.39		1.0	0.39	ug/L			01/01/23 16:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/01/23 16:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/01/23 16:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/01/23 16:55	1
Toluene	<0.15		0.50	0.15	ug/L			01/01/23 16:55	1

Client Sample ID: 896 Young Rd Raw

Date Collected: 12/20/22 13:10
Date Received: 12/22/22 10:25

Lab Sample ID: 500-227269-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/01/23 16:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/01/23 16:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/01/23 16:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/01/23 16:55	1
Trichloroethene	**4.3**		0.50	0.16	ug/L			01/01/23 16:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/01/23 16:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/01/23 16:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/01/23 16:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/01/23 16:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/01/23 16:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/01/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*01/01/23 16:55*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*01/01/23 16:55*	*1*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*01/01/23 16:55*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*01/01/23 16:55*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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January 6, 2023

Joseph & Samantha Warner
987 Drover Trail
Hudson, WI 54016

Dear Joseph & Samantha,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.75 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
9/2/22	12/20/22	712750	62480	0.75	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Client Sample ID: 987 Drover Trail Raw

Date Collected: 12/20/22 12:45
Date Received: 12/22/22 10:25

Lab Sample ID: 500-227269-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/01/23 17:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/01/23 17:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/01/23 17:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/01/23 17:19	1
Bromoform	<0.48		1.0	0.48	ug/L			01/01/23 17:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/01/23 17:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/01/23 17:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/01/23 17:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/01/23 17:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/01/23 17:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/01/23 17:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/01/23 17:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/01/23 17:19	1
Chloroform	<0.37		2.0	0.37	ug/L			01/01/23 17:19	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/01/23 17:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/01/23 17:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/01/23 17:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/01/23 17:19	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/01/23 17:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/01/23 17:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/01/23 17:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/01/23 17:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/01/23 17:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/01/23 17:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/01/23 17:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/01/23 17:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/01/23 17:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/01/23 17:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/01/23 17:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/01/23 17:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/01/23 17:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/01/23 17:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/01/23 17:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/01/23 17:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/01/23 17:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/01/23 17:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/01/23 17:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/01/23 17:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/01/23 17:19	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/01/23 17:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/01/23 17:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/01/23 17:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/01/23 17:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/01/23 17:19	1
Styrene	<0.39		1.0	0.39	ug/L			01/01/23 17:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/01/23 17:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/01/23 17:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/01/23 17:19	1
Toluene	<0.15		0.50	0.15	ug/L			01/01/23 17:19	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Client Sample ID: 987 Drover Trail Raw

Date Collected: 12/20/22 12:45
Date Received: 12/22/22 10:25

Lab Sample ID: 500-227269-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/01/23 17:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/01/23 17:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/01/23 17:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/01/23 17:19	1
Trichloroethene	**0.75**		0.50	0.16	ug/L			01/01/23 17:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/01/23 17:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/01/23 17:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/01/23 17:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/01/23 17:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/01/23 17:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/01/23 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*01/01/23 17:19*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*01/01/23 17:19*	*1*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*01/01/23 17:19*	*1*
Dibromofluoromethane (Surr)	*85*		*75 - 120*		*01/01/23 17:19*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227269-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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January 16, 2023

Eric & Michelle Clay
886 Hillside Trail
Hudson, WI 54016

Dear Eric & Michelle,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.94 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
9/1/22	1/3/23	738480	79370	0.94	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 886 Hillside Trl Raw
Date Collected: 01/03/23 09:10
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			01/06/23 16:37	1
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 16:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 16:37	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 16:37	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 16:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/06/23 16:37	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/06/23 16:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 16:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 16:37	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 16:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 16:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 16:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 16:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 16:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 16:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 16:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 16:37	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 16:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 16:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 16:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 16:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 16:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 16:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 16:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 16:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 16:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 16:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 16:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 16:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 16:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 16:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 16:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 16:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 16:37	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 886 Hillside Trl Raw
Date Collected: 01/03/23 09:10
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/06/23 16:37	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 16:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 16:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 16:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 16:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 16:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 16:37	1
Trichloroethene	**0.94**		0.50	0.16	ug/L			01/06/23 16:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 16:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 16:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 16:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*01/06/23 16:37*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*01/06/23 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*01/06/23 16:37*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*01/06/23 16:37*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
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Menomonie, WI 54751
715-235-9081
800-472-7372
FAX 715-235-2727
www.cedarcorp.com

January 16, 2023

Brad & Lisa Larson
867 Yellowstone Trail
Hudson, WI 54016

Dear Brad & Lisa,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/20/22	1/3/23	3893020	198610	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl Raw

Date Collected: 01/03/23 08:50
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.9**	**J B**	10	1.7	ug/L			01/06/23 15:49	1
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 15:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 15:49	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 15:49	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 15:49	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/06/23 15:49	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/06/23 15:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 15:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 15:49	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 15:49	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 15:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 15:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 15:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 15:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 15:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 15:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 15:49	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 15:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 15:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 15:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 15:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 15:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 15:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 15:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 15:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 15:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 15:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 15:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 15:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 15:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 15:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 15:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 15:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 15:49	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl Raw
Date Collected: 01/03/23 08:50
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/06/23 15:49	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 15:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 15:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 15:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 15:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 15:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 15:49	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/06/23 15:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 15:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 15:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 15:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*01/06/23 15:49*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*01/06/23 15:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*01/06/23 15:49*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*01/06/23 15:49*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl DW

Date Collected: 01/03/23 08:55
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			01/06/23 16:13	1
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 16:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 16:13	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 16:13	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 16:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/06/23 16:13	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/06/23 16:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 16:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 16:13	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 16:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 16:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 16:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 16:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 16:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 16:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 16:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 16:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 16:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 16:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 16:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 16:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 16:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 16:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 16:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 16:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 16:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 16:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 16:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 16:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 16:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 16:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 16:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 16:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 16:13	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 867 Yellowstone Trl DW
Date Collected: 01/03/23 08:55
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/06/23 16:13	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 16:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 16:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 16:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 16:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 16:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 16:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/06/23 16:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 16:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 16:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 16:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 16:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 16:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*01/06/23 16:13*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*01/06/23 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*01/06/23 16:13*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*01/06/23 16:13*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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January 16, 2023

Steve Lucksinger
767 McCutcheon Road
Hudson, WI 54016

Dear Steve,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.2 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/7/22	1/3/23	1572930	253600	1.2	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 767 McCutcheon Rd Raw
Date Collected: 01/03/23 08:40
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.6**	**J B**	10	1.7	ug/L			01/06/23 15:25	1
Benzene	<0.15		0.50	0.15	ug/L			01/06/23 15:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/06/23 15:25	1
Bromoform	<0.48		1.0	0.48	ug/L			01/06/23 15:25	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			01/06/23 15:25	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/06/23 15:25	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/06/23 15:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/06/23 15:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/06/23 15:25	1
Chloroform	<0.37		2.0	0.37	ug/L			01/06/23 15:25	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/06/23 15:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/06/23 15:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/06/23 15:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/06/23 15:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/06/23 15:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/06/23 15:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/06/23 15:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/06/23 15:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/06/23 15:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/06/23 15:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/06/23 15:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/06/23 15:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/06/23 15:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/06/23 15:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/06/23 15:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/06/23 15:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/06/23 15:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/06/23 15:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/06/23 15:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/06/23 15:25	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
Styrene	<0.39		1.0	0.39	ug/L			01/06/23 15:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/06/23 15:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/06/23 15:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/06/23 15:25	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Client Sample ID: 767 McCutcheon Rd Raw
Date Collected: 01/03/23 08:40
Date Received: 01/05/23 09:30

Lab Sample ID: 500-227634-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/06/23 15:25	1
Toluene	<0.15		0.50	0.15	ug/L			01/06/23 15:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/06/23 15:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/06/23 15:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/06/23 15:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/06/23 15:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/06/23 15:25	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			01/06/23 15:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/06/23 15:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/06/23 15:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/06/23 15:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/06/23 15:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/06/23 15:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/06/23 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*01/06/23 15:25*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*01/06/23 15:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*01/06/23 15:25*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*01/06/23 15:25*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-227634-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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February 7, 2023

Emily Lockman
787 Holden Lane
Hudson, WI 54016

Dear Emily,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/8/22	1/18/23	1579080	115160	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Client Sample ID: 787 Holden Ln Raw
Date Collected: 01/18/23 08:50
Date Received: 01/24/23 09:30

Lab Sample ID: 500-228515-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			01/25/23 13:32	1
Benzene	<0.15		0.50	0.15	ug/L			01/25/23 13:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/25/23 13:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/25/23 13:32	1
Bromoform	<0.48		1.0	0.48	ug/L			01/25/23 13:32	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/25/23 13:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/25/23 13:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/25/23 13:32	1
Chloroform	<0.37		2.0	0.37	ug/L			01/25/23 13:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/25/23 13:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/25/23 13:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/25/23 13:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/25/23 13:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/25/23 13:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/25/23 13:32	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/25/23 13:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/25/23 13:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/25/23 13:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/25/23 13:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/25/23 13:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/25/23 13:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/25/23 13:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/25/23 13:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/25/23 13:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/25/23 13:32	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/25/23 13:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/25/23 13:32	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/25/23 13:32	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/25/23 13:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/25/23 13:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/25/23 13:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/25/23 13:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/25/23 13:32	1
Styrene	<0.39		1.0	0.39	ug/L			01/25/23 13:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/25/23 13:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/25/23 13:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/25/23 13:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/25/23 13:32	1

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Client Sample ID: 787 Holden Ln Raw
Date Collected: 01/18/23 08:50
Date Received: 01/24/23 09:30

Lab Sample ID: 500-228515-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/25/23 13:32	1
Toluene	<0.15		0.50	0.15	ug/L			01/25/23 13:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/25/23 13:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/25/23 13:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/25/23 13:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/25/23 13:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/25/23 13:32	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/25/23 13:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/25/23 13:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/25/23 13:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/25/23 13:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/25/23 13:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/25/23 13:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/25/23 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*01/25/23 13:32*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*01/25/23 13:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*01/25/23 13:32*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*01/25/23 13:32*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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February 7, 2023

Joseph & Jane Loftus
888 E Hwy 12
Hudson, WI 54016

Dear Joseph & Jane,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 3.1 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/6/22	1/18/23	1467470	61000	3.1	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Client Sample ID: 888 E. Hwy 12 Raw

Date Collected: 01/18/23 08:35
Date Received: 01/24/23 09:30

Lab Sample ID: 500-228515-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			01/25/23 13:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/25/23 13:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/25/23 13:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/25/23 13:09	1
Bromoform	<0.48		1.0	0.48	ug/L			01/25/23 13:09	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			01/25/23 13:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/25/23 13:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/25/23 13:09	1
Chloroform	<0.37		2.0	0.37	ug/L			01/25/23 13:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/25/23 13:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/25/23 13:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/25/23 13:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/25/23 13:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/25/23 13:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/25/23 13:09	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/25/23 13:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/25/23 13:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/25/23 13:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/25/23 13:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/25/23 13:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/25/23 13:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/25/23 13:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/25/23 13:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/25/23 13:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/25/23 13:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/25/23 13:09	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/25/23 13:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			01/25/23 13:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/25/23 13:09	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/25/23 13:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/25/23 13:09	1
Styrene	<0.39		1.0	0.39	ug/L			01/25/23 13:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/25/23 13:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/25/23 13:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/25/23 13:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/25/23 13:09	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			01/25/23 13:09	1
Toluene	<0.15		0.50	0.15	ug/L			01/25/23 13:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/25/23 13:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/25/23 13:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/25/23 13:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/25/23 13:09	1

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Client Sample ID: 888 E. Hwy 12 Raw

Date Collected: 01/18/23 08:35
Date Received: 01/24/23 09:30

Lab Sample ID: 500-228515-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**3.1**		0.50	0.16	ug/L			01/25/23 13:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/25/23 13:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/25/23 13:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/25/23 13:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/25/23 13:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/25/23 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*01/25/23 13:09*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*01/25/23 13:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*01/25/23 13:09*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*01/25/23 13:09*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15	H	0.50	0.15	ug/L			02/03/23 12:34	1
Hexachlorobutadiene	<0.45	H	1.0	0.45	ug/L			02/03/23 12:34	1
1,3-Dichlorobenzene	<0.40	H	1.0	0.40	ug/L			02/03/23 12:34	1
Naphthalene	<0.34	H	1.0	0.34	ug/L			02/03/23 12:34	1
1,2-Dichlorobenzene	<0.33	H	1.0	0.33	ug/L			02/03/23 12:34	1
1,4-Dichlorobenzene	<0.36	H	1.0	0.36	ug/L			02/03/23 12:34	1
1,2,3-Trichlorobenzene	<0.46	H	1.0	0.46	ug/L			02/03/23 12:34	1
1,2,4-Trichlorobenzene	<0.34	H	1.0	0.34	ug/L			02/03/23 12:34	1
Xylenes, Total	<0.22	H	1.0	0.22	ug/L			02/03/23 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*02/03/23 12:34*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*02/03/23 12:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*02/03/23 12:34*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*02/03/23 12:34*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF - 01972

Job ID: 500-228515-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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February 12, 2024

Fred & Karen Watson
946 Fraser Lane
Hudson, WI 54016

Dear Fred & Karen,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the filtered drinking water (DW). Based on the complete analysis, the drinking water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The unfiltered drinking water (Raw) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	2/5/24	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-245793-1

Client Sample ID: 946 Fraser Ln DW

Date Collected: 02/05/24 09:00
Date Received: 02/07/24 09:55

Lab Sample ID: 500-245793-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			02/09/24 16:17	1
Benzene	<0.15		0.50	0.15	ug/L			02/09/24 16:17	1
Bromobenzene	<0.36		1.0	0.36	ug/L			02/09/24 16:17	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/09/24 16:17	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/09/24 16:17	1
Bromoform	<0.48		1.0	0.48	ug/L			02/09/24 16:17	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/09/24 16:17	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			02/09/24 16:17	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/09/24 16:17	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/09/24 16:17	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/09/24 16:17	1
Chloroethane	<0.51	^c	5.0	0.51	ug/L			02/09/24 16:17	1
Chloroform	<0.37		2.0	0.37	ug/L			02/09/24 16:17	1
Chloromethane	<0.32		5.0	0.32	ug/L			02/09/24 16:17	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/09/24 16:17	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/09/24 16:17	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/09/24 16:17	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/09/24 16:17	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/09/24 16:17	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/09/24 16:17	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/09/24 16:17	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/09/24 16:17	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/09/24 16:17	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/09/24 16:17	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/09/24 16:17	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/09/24 16:17	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/09/24 16:17	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/09/24 16:17	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/09/24 16:17	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/09/24 16:17	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/09/24 16:17	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			02/09/24 16:17	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/09/24 16:17	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/09/24 16:17	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/09/24 16:17	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/09/24 16:17	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/09/24 16:17	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/09/24 16:17	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/09/24 16:17	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/09/24 16:17	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/09/24 16:17	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/09/24 16:17	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/09/24 16:17	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/09/24 16:17	1
Styrene	<0.39		1.0	0.39	ug/L			02/09/24 16:17	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/09/24 16:17	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/09/24 16:17	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/09/24 16:17	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/09/24 16:17	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-245793-1

Client Sample ID: 946 Fraser Ln DW
Date Collected: 02/05/24 09:00
Date Received: 02/07/24 09:55

Lab Sample ID: 500-245793-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			02/09/24 16:17	1
Toluene	<0.15		0.50	0.15	ug/L			02/09/24 16:17	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/09/24 16:17	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/09/24 16:17	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/09/24 16:17	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/09/24 16:17	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/09/24 16:17	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/09/24 16:17	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/09/24 16:17	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/09/24 16:17	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/09/24 16:17	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/09/24 16:17	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/09/24 16:17	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/09/24 16:17	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/09/24 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*02/09/24 16:17*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*02/09/24 16:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*02/09/24 16:17*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*02/09/24 16:17*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-245793-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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February 14, 2023

Mathew & Jennifer Rasmussen
968 Fraser Lane
Hudson, WI 54016

Dear Mathew & Jennifer,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.2 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
8/3/22	1/27/23	753830	75830	1.2	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Client Sample ID: 968 Fraser Ln Raw

Date Collected: 01/27/23 08:15
Date Received: 02/03/23 10:40

Lab Sample ID: 500-228981-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			02/06/23 13:43	1
Benzene	<0.15		0.50	0.15	ug/L			02/06/23 13:43	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			02/06/23 13:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/06/23 13:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/06/23 13:43	1
Bromoform	<0.48		1.0	0.48	ug/L			02/06/23 13:43	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/06/23 13:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/06/23 13:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/06/23 13:43	1
Chloroform	<0.37		2.0	0.37	ug/L			02/06/23 13:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/06/23 13:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/06/23 13:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/06/23 13:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/06/23 13:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/06/23 13:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/06/23 13:43	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/06/23 13:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/06/23 13:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/06/23 13:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/06/23 13:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/06/23 13:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/06/23 13:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/06/23 13:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/06/23 13:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/06/23 13:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/06/23 13:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/06/23 13:43	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/06/23 13:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/06/23 13:43	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/06/23 13:43	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/06/23 13:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/06/23 13:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/06/23 13:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/06/23 13:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/06/23 13:43	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/06/23 13:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/06/23 13:43	1
Styrene	<0.39		1.0	0.39	ug/L			02/06/23 13:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/06/23 13:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/06/23 13:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/06/23 13:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/06/23 13:43	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Client Sample ID: 968 Fraser Ln Raw
Date Collected: 01/27/23 08:15
Date Received: 02/03/23 10:40

Lab Sample ID: 500-228981-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/06/23 13:43	1
Toluene	<0.15		0.50	0.15	ug/L			02/06/23 13:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/06/23 13:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/06/23 13:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/06/23 13:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/06/23 13:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/06/23 13:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/06/23 13:43	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			02/06/23 13:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/06/23 13:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/06/23 13:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/06/23 13:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/06/23 13:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/06/23 13:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/06/23 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*02/06/23 13:43*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*02/06/23 13:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*02/06/23 13:43*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*02/06/23 13:43*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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February 14, 2023

David & Pamela Hofer
668 Pine Timber Lane
Hudson, WI 54016

Dear David & Pamela,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 2.3 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
11/1/22	1/27/23	1736787	37867	2.3	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Client Sample ID: 668 Pine Timber Ln Raw
Date Collected: 01/27/23 08:45
Date Received: 02/03/23 10:40

Lab Sample ID: 500-228981-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			02/06/23 14:09	1
Benzene	<0.15		0.50	0.15	ug/L			02/06/23 14:09	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			02/06/23 14:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/06/23 14:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/06/23 14:09	1
Bromoform	<0.48		1.0	0.48	ug/L			02/06/23 14:09	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/06/23 14:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/06/23 14:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/06/23 14:09	1
Chloroform	<0.37		2.0	0.37	ug/L			02/06/23 14:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/06/23 14:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/06/23 14:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/06/23 14:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/06/23 14:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/06/23 14:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/06/23 14:09	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/06/23 14:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/06/23 14:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/06/23 14:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/06/23 14:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/06/23 14:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/06/23 14:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/06/23 14:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/06/23 14:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/06/23 14:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/06/23 14:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/06/23 14:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/06/23 14:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/06/23 14:09	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/06/23 14:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/06/23 14:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
Naphthalene	**0.65**	**J B**	1.0	0.34	ug/L			02/06/23 14:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/06/23 14:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/06/23 14:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/06/23 14:09	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/06/23 14:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/06/23 14:09	1
Styrene	<0.39		1.0	0.39	ug/L			02/06/23 14:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/06/23 14:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/06/23 14:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/06/23 14:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/06/23 14:09	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Client Sample ID: 668 Pine Timber Ln Raw
Date Collected: 01/27/23 08:45
Date Received: 02/03/23 10:40

Lab Sample ID: 500-228981-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/06/23 14:09	1
Toluene	<0.15		0.50	0.15	ug/L			02/06/23 14:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/06/23 14:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/06/23 14:09	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/06/23 14:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/06/23 14:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/06/23 14:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/06/23 14:09	1
Trichloroethene	**2.3**		0.50	0.16	ug/L			02/06/23 14:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/06/23 14:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/06/23 14:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/06/23 14:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/06/23 14:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/06/23 14:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/06/23 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*02/06/23 14:09*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*02/06/23 14:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*02/06/23 14:09*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*02/06/23 14:09*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-228981-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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February 28, 2023

Alicia Torgerson
959 Fraser Lane
Hudson, WI 54016

Dear Alicia,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.2 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
1/6/23	2/10/23	1145110	19160	1.2	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 959 Fraser Ln Raw

Date Collected: 02/10/23 08:45
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.7**	**J**	10	1.7	ug/L			02/17/23 13:42	1
Benzene	<0.15	*	0.50	0.15	ug/L			02/17/23 13:42	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			02/17/23 13:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/17/23 13:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/17/23 13:42	1
Bromoform	<0.48		1.0	0.48	ug/L			02/17/23 13:42	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/17/23 13:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/17/23 13:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/17/23 13:42	1
Chloroform	<0.37		2.0	0.37	ug/L			02/17/23 13:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/17/23 13:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/17/23 13:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/17/23 13:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/17/23 13:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/17/23 13:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/17/23 13:42	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/17/23 13:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/17/23 13:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/17/23 13:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/17/23 13:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/17/23 13:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/17/23 13:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/17/23 13:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/17/23 13:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/17/23 13:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/17/23 13:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/17/23 13:42	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/17/23 13:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/17/23 13:42	1
Methylene Chloride	**2.5**	**J**	5.0	1.6	ug/L			02/17/23 13:42	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/17/23 13:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/17/23 13:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/17/23 13:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/17/23 13:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/17/23 13:42	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/17/23 13:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 13:42	1
Styrene	<0.39		1.0	0.39	ug/L			02/17/23 13:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 13:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/17/23 13:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/17/23 13:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/17/23 13:42	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 959 Fraser Ln Raw

Date Collected: 02/10/23 08:45
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/17/23 13:42	1
Toluene	<0.15		0.50	0.15	ug/L			02/17/23 13:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/17/23 13:42	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/17/23 13:42	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/17/23 13:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/17/23 13:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/17/23 13:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/17/23 13:42	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			02/17/23 13:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/17/23 13:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/17/23 13:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/17/23 13:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/17/23 13:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/17/23 13:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/17/23 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*02/17/23 13:42*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*02/17/23 13:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*02/17/23 13:42*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/17/23 13:42*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 959 Fraser Ln DW
Date Collected: 02/10/23 08:50
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.9**	**J**	10	1.7	ug/L			02/17/23 14:09	1
Benzene	<0.15	*	0.50	0.15	ug/L			02/17/23 14:09	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			02/17/23 14:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/17/23 14:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/17/23 14:09	1
Bromoform	<0.48		1.0	0.48	ug/L			02/17/23 14:09	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/17/23 14:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/17/23 14:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/17/23 14:09	1
Chloroform	<0.37		2.0	0.37	ug/L			02/17/23 14:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/17/23 14:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/17/23 14:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/17/23 14:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/17/23 14:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/17/23 14:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/17/23 14:09	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/17/23 14:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/17/23 14:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/17/23 14:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/17/23 14:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/17/23 14:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/17/23 14:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/17/23 14:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/17/23 14:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/17/23 14:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/17/23 14:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/17/23 14:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/17/23 14:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/17/23 14:09	1
Methylene Chloride	**2.7**	**J**	5.0	1.6	ug/L			02/17/23 14:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/17/23 14:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/17/23 14:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/17/23 14:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/17/23 14:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/17/23 14:09	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/17/23 14:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 14:09	1
Styrene	<0.39		1.0	0.39	ug/L			02/17/23 14:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 14:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/17/23 14:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/17/23 14:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/17/23 14:09	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 959 Fraser Ln DW

Date Collected: 02/10/23 08:50
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/17/23 14:09	1
Toluene	<0.15		0.50	0.15	ug/L			02/17/23 14:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/17/23 14:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/17/23 14:09	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/17/23 14:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/17/23 14:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/17/23 14:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/17/23 14:09	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/17/23 14:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/17/23 14:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/17/23 14:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/17/23 14:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/17/23 14:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/17/23 14:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/17/23 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*02/17/23 14:09*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*02/17/23 14:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*02/17/23 14:09*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*02/17/23 14:09*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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February 28, 2023

Mike & Dana Thompson
875 Yellowstone Trail
Hudson, WI 54016

Dear Mike & Dana,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 2.9 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/1/22	2/10/23	1802360	207020	2.9	ND	ND	ND	0.69	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 875 Yellowstone Trail Raw
Date Collected: 02/10/23 08:30
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.8**	**J**	10	1.7	ug/L			02/17/23 12:50	1
Benzene	<0.15	*	0.50	0.15	ug/L			02/17/23 12:50	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			02/17/23 12:50	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/17/23 12:50	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/17/23 12:50	1
Bromoform	<0.48		1.0	0.48	ug/L			02/17/23 12:50	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/17/23 12:50	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/17/23 12:50	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/17/23 12:50	1
Chloroform	<0.37		2.0	0.37	ug/L			02/17/23 12:50	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/17/23 12:50	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/17/23 12:50	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/17/23 12:50	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/17/23 12:50	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/17/23 12:50	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/17/23 12:50	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/17/23 12:50	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/17/23 12:50	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/17/23 12:50	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/17/23 12:50	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/17/23 12:50	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/17/23 12:50	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/17/23 12:50	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/17/23 12:50	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/17/23 12:50	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/17/23 12:50	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/17/23 12:50	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/17/23 12:50	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/17/23 12:50	1
Methylene Chloride	**2.4**	**J**	5.0	1.6	ug/L			02/17/23 12:50	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/17/23 12:50	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/17/23 12:50	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/17/23 12:50	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/17/23 12:50	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/17/23 12:50	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/17/23 12:50	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 12:50	1
Styrene	<0.39		1.0	0.39	ug/L			02/17/23 12:50	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/17/23 12:50	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/17/23 12:50	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/17/23 12:50	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/17/23 12:50	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 875 Yellowstone Trail Raw
Date Collected: 02/10/23 08:30
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/17/23 12:50	1
Toluene	<0.15		0.50	0.15	ug/L			02/17/23 12:50	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/17/23 12:50	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/17/23 12:50	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/17/23 12:50	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/17/23 12:50	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/17/23 12:50	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/17/23 12:50	1
Trichloroethene	**2.9**		0.50	0.16	ug/L			02/17/23 12:50	1
Trichlorofluoromethane	**0.69**	**J**	1.0	0.43	ug/L			02/17/23 12:50	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/17/23 12:50	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/17/23 12:50	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/17/23 12:50	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/17/23 12:50	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/17/23 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*02/17/23 12:50*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*02/17/23 12:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*02/17/23 12:50*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*02/17/23 12:50*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 875 Yellowstone Trail DW
Date Collected: 02/10/23 08:35
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.3	J B	10	1.7	ug/L			02/24/23 13:23	1
Benzene	<0.15		0.50	0.15	ug/L			02/24/23 13:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/24/23 13:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/24/23 13:23	1
Bromoform	<0.48		1.0	0.48	ug/L			02/24/23 13:23	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			02/24/23 13:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/24/23 13:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/24/23 13:23	1
Chloroform	<0.37		2.0	0.37	ug/L			02/24/23 13:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/24/23 13:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/24/23 13:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/24/23 13:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/24/23 13:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/24/23 13:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/24/23 13:23	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/24/23 13:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/24/23 13:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/24/23 13:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/24/23 13:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/24/23 13:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/24/23 13:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/24/23 13:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/24/23 13:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/24/23 13:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/24/23 13:23	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/24/23 13:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/24/23 13:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/24/23 13:23	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			02/24/23 13:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/24/23 13:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/24/23 13:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/24/23 13:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/24/23 13:23	1
Styrene	<0.39		1.0	0.39	ug/L			02/24/23 13:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/24/23 13:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/24/23 13:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/24/23 13:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/24/23 13:23	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Client Sample ID: 875 Yellowstone Trail DW
Date Collected: 02/10/23 08:35
Date Received: 02/15/23 10:10

Lab Sample ID: 500-229509-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			02/24/23 13:23	1
Toluene	<0.15		0.50	0.15	ug/L			02/24/23 13:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/24/23 13:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/24/23 13:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/24/23 13:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/24/23 13:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/24/23 13:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/24/23 13:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/24/23 13:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/24/23 13:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/24/23 13:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/24/23 13:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/24/23 13:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/24/23 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*02/24/23 13:23*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*02/24/23 13:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*02/24/23 13:23*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*02/24/23 13:23*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-229509-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

March 22, 2023

Dave & Kim Benoy
979 Labarge Road
Hudson, WI 54016

Dear Dave & Kim,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.60 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
1/9/23	3/7/23	549300	24960	0.60	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 979 LaBarge Rd. Raw
Date Collected: 03/07/23 13:20
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.9**	**J**	10	1.7	ug/L			03/16/23 12:11	1
Benzene	<0.15		0.50	0.15	ug/L			03/16/23 12:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/16/23 12:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/16/23 12:11	1
Bromoform	<0.48		1.0	0.48	ug/L			03/16/23 12:11	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			03/16/23 12:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/16/23 12:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/16/23 12:11	1
Chloroform	<0.37		2.0	0.37	ug/L			03/16/23 12:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/16/23 12:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/16/23 12:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/16/23 12:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/16/23 12:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/16/23 12:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/16/23 12:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			03/16/23 12:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/16/23 12:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/16/23 12:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/16/23 12:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/16/23 12:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/16/23 12:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/16/23 12:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/16/23 12:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/16/23 12:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/16/23 12:11	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/16/23 12:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/16/23 12:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/16/23 12:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/16/23 12:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/16/23 12:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/16/23 12:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/16/23 12:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/16/23 12:11	1
Styrene	<0.39		1.0	0.39	ug/L			03/16/23 12:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/16/23 12:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/16/23 12:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/16/23 12:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/16/23 12:11	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 979 LaBarge Rd. Raw
Date Collected: 03/07/23 13:20
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/16/23 12:11	1
Toluene	<0.15		0.50	0.15	ug/L			03/16/23 12:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/16/23 12:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/16/23 12:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/16/23 12:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/16/23 12:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/16/23 12:11	1
Trichloroethene	**0.60**		0.50	0.16	ug/L			03/16/23 12:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/16/23 12:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/16/23 12:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/16/23 12:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/16/23 12:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/16/23 12:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/16/23 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*03/16/23 12:11*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*03/16/23 12:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*03/16/23 12:11*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*03/16/23 12:11*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 979 LaBarge Rd. DW
Date Collected: 03/07/23 13:25
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 17:26	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 17:26	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 17:26	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 17:26	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 17:26	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 17:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 17:26	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 17:26	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 17:26	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 17:26	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 17:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 17:26	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 17:26	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 17:26	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 17:26	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 17:26	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 17:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 17:26	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 17:26	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 17:26	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 17:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 17:26	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 17:26	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 17:26	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 17:26	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 17:26	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 17:26	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 17:26	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 17:26	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 17:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 17:26	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 17:26	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 17:26	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 17:26	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 17:26	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 17:26	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 17:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 17:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 17:26	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 979 LaBarge Rd. DW
Date Collected: 03/07/23 13:25
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 17:26	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 17:26	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 17:26	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 17:26	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 17:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 17:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 17:26	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 17:26	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 17:26	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 17:26	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 17:26	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 17:26	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 17:26	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*03/15/23 17:26*	*1*
Dibromofluoromethane (Surr)	*119*		*75 - 120*		*03/15/23 17:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 126*		*03/15/23 17:26*	*1*
Toluene-d8 (Surr)	*79*		*75 - 120*		*03/15/23 17:26*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

March 22, 2023

Darin Anderson
931 Florence Lane
Hudson, WI 54016

Dear Darin,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
4/26/22	3/6/23	831140	82110	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Florence Lane Raw

Date Collected: 03/06/23 13:00
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 20:34	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 20:34	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 20:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 20:34	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 20:34	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 20:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 20:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 20:34	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 20:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 20:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 20:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 20:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 20:34	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 20:34	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 20:34	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 20:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 20:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 20:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 20:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 20:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 20:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 20:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 20:34	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 20:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:34	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 20:34	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 20:34	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 20:34	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 20:34	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 20:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 20:34	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 20:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 20:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:34	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 20:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:34	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 20:34	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 20:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 20:34	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Florence Lane Raw

Date Collected: 03/06/23 13:00
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 20:34	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 20:34	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 20:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 20:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 20:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 20:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 20:34	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 20:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 20:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 20:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 20:34	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 20:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*03/15/23 20:34*	*1*
Dibromofluoromethane (Surr)	*120*		*75 - 120*		*03/15/23 20:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 126*		*03/15/23 20:34*	*1*
Toluene-d8 (Surr)	*81*		*75 - 120*		*03/15/23 20:34*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Florence Lane DW

Date Collected: 03/06/23 13:05
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 20:57	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 20:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 20:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 20:57	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 20:57	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 20:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 20:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 20:57	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 20:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 20:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 20:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 20:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 20:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 20:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 20:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 20:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 20:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 20:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 20:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 20:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 20:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 20:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 20:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 20:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:57	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 20:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 20:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 20:57	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 20:57	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 20:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 20:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 20:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 20:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:57	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 20:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 20:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 20:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 20:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 20:57	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Florence Lane DW

Date Collected: 03/06/23 13:05
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 20:57	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 20:57	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 20:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 20:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 20:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 20:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 20:57	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 20:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 20:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 20:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 20:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 20:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 20:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*03/15/23 20:57*	*1*
Dibromofluoromethane (Surr)	*121*	*X*	*75 - 120*		*03/15/23 20:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*03/15/23 20:57*	*1*
Toluene-d8 (Surr)	*76*		*75 - 120*		*03/15/23 20:57*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

March 22, 2023

Keith & Judy Stanze
931 Coyote Lane
Hudson, WI 54016

Dear Keith & Judy,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/20/22	3/6/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Coyote Lane Raw

Date Collected: 03/06/23 12:45
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 19:00	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 19:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 19:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 19:00	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 19:00	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 19:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 19:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 19:00	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 19:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 19:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 19:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 19:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 19:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 19:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 19:00	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 19:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 19:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 19:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 19:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 19:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 19:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 19:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 19:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 19:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:00	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 19:00	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 19:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 19:00	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 19:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 19:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 19:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 19:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 19:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:00	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 19:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 19:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 19:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 19:00	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Coyote Lane Raw
Date Collected: 03/06/23 12:45
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 19:00	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 19:00	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 19:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 19:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 19:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 19:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 19:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 19:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 19:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 19:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 19:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 19:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*03/15/23 19:00*	*1*
Dibromofluoromethane (Surr)	*124*	*X*	*75 - 120*		*03/15/23 19:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*75 - 126*		*03/15/23 19:00*	*1*
Toluene-d8 (Surr)	*77*		*75 - 120*		*03/15/23 19:00*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Coyote Lane DW

Date Collected: 03/06/23 12:50
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 19:24	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 19:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 19:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 19:24	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 19:24	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 19:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 19:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 19:24	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 19:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 19:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 19:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 19:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 19:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 19:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 19:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 19:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 19:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 19:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 19:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 19:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 19:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 19:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 19:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 19:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:24	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 19:24	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 19:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 19:24	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 19:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 19:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 19:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 19:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 19:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:24	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 19:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 19:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 19:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 19:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 19:24	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 931 Coyote Lane DW

Date Collected: 03/06/23 12:50
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 19:24	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 19:24	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 19:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 19:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 19:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 19:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 19:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 19:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 19:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 19:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 19:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 19:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 19:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*03/15/23 19:24*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 120*		*03/15/23 19:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*03/15/23 19:24*	*1*
Toluene-d8 (Surr)	*82*		*75 - 120*		*03/15/23 19:24*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CEDAR CORPORATION
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March 22, 2023

Timothy & Vicki Hieb
693 Pine Timber Lane
Hudson, WI 54016

Dear Timothy & Vicki,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.3 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/28/22	3/7/23	-	-	1.3	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 693 Pine Timber Lane Raw

Date Collected: 03/07/23 13:00
Date Received: 03/09/23 10:00

Lab Sample ID: 500-230473-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 18:13	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 18:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 18:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 18:13	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 18:13	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 18:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 18:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 18:13	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 18:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 18:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 18:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 18:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 18:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 18:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 18:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 18:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 18:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 18:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 18:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 18:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 18:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 18:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 18:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 18:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:13	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 18:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 18:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 18:13	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 18:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 18:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 18:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 18:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 18:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:13	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 18:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 18:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 18:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 18:13	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 693 Pine Timber Lane Raw

Lab Sample ID: 500-230473-3

Date Collected: 03/07/23 13:00

Matrix: Water

Date Received: 03/09/23 10:00

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 18:13	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 18:13	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 18:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 18:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 18:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 18:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 18:13	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			03/15/23 18:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 18:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 18:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 18:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 18:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*03/15/23 18:13*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 120*		*03/15/23 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*03/15/23 18:13*	*1*
Toluene-d8 (Surr)	*81*		*75 - 120*		*03/15/23 18:13*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 693 Pine Timber Lane DW

Lab Sample ID: 500-230473-4

Date Collected: 03/07/23 13:05
Date Received: 03/09/23 10:00

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			03/15/23 18:37	1
Benzene	<0.15		0.50	0.15	ug/L			03/15/23 18:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
Bromochloromethane	<0.43	*	1.0	0.43	ug/L			03/15/23 18:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/15/23 18:37	1
Bromoform	<0.48		1.0	0.48	ug/L			03/15/23 18:37	1
Carbon disulfide	<0.45	*	2.0	0.45	ug/L			03/15/23 18:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/15/23 18:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			03/15/23 18:37	1
Chloroform	<0.37	*	2.0	0.37	ug/L			03/15/23 18:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/15/23 18:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/15/23 18:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/15/23 18:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/15/23 18:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/15/23 18:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/15/23 18:37	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/15/23 18:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/15/23 18:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
1,1-Dichloroethene	<0.39	*	1.0	0.39	ug/L			03/15/23 18:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/15/23 18:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			03/15/23 18:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/15/23 18:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/15/23 18:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/15/23 18:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/15/23 18:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:37	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			03/15/23 18:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			03/15/23 18:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/15/23 18:37	1
Methylene Chloride	<1.6	*	5.0	1.6	ug/L			03/15/23 18:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			03/15/23 18:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/15/23 18:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/15/23 18:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/15/23 18:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:37	1
Styrene	<0.39		1.0	0.39	ug/L			03/15/23 18:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/15/23 18:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/15/23 18:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/15/23 18:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/15/23 18:37	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Client Sample ID: 693 Pine Timber Lane DW

Lab Sample ID: 500-230473-4

Date Collected: 03/07/23 13:05

Matrix: Water

Date Received: 03/09/23 10:00

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			03/15/23 18:37	1
Toluene	<0.15		0.50	0.15	ug/L			03/15/23 18:37	1
trans-1,2-Dichloroethene	<0.35	*	1.0	0.35	ug/L			03/15/23 18:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/15/23 18:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/15/23 18:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/15/23 18:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/15/23 18:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/15/23 18:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/15/23 18:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/15/23 18:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/15/23 18:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/15/23 18:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/15/23 18:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/15/23 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*03/15/23 18:37*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 120*		*03/15/23 18:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*03/15/23 18:37*	*1*
Toluene-d8 (Surr)	*81*		*75 - 120*		*03/15/23 18:37*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-230473-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CEDAR CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

April 18, 2023

John Mowry
961 Bakken Road
Hudson, WI 54016

Dear John,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.2 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	4/5/23	-	-	1.2	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

Cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

Client Sample ID: 961 Bakken Road Raw
Date Collected: 04/05/23 08:35
Date Received: 04/07/23 10:00

Lab Sample ID: 500-231910-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			04/17/23 15:08	1
Benzene	<0.15		0.50	0.15	ug/L			04/17/23 15:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/17/23 15:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/17/23 15:08	1
Bromoform	<0.48		1.0	0.48	ug/L			04/17/23 15:08	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			04/17/23 15:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/17/23 15:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/17/23 15:08	1
Chloroform	<0.37		2.0	0.37	ug/L			04/17/23 15:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/17/23 15:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/17/23 15:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/17/23 15:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/17/23 15:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/17/23 15:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/17/23 15:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/17/23 15:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/17/23 15:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/17/23 15:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/17/23 15:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/17/23 15:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/17/23 15:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/17/23 15:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/17/23 15:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/17/23 15:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/17/23 15:08	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/17/23 15:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/17/23 15:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/17/23 15:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			04/17/23 15:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/17/23 15:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/17/23 15:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/17/23 15:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 15:08	1
Styrene	<0.39		1.0	0.39	ug/L			04/17/23 15:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/17/23 15:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/17/23 15:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/17/23 15:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/17/23 15:08	1

Client: Cedar Corporation
Job ID: 500-231910-1
Project/Site: Junker LF Residentials 01972

Client Sample ID: 961 Bakken Road Raw
Lab Sample ID: 500-231910-1
Date Collected: 04/05/23 08:35
Matrix: Water
Date Received: 04/07/23 10:00

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			04/17/23 15:08	1
Toluene	<0.15		0.50	0.15	ug/L			04/17/23 15:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/17/23 15:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/17/23 15:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/17/23 15:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/17/23 15:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/17/23 15:08	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			04/17/23 15:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/17/23 15:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/17/23 15:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/17/23 15:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/17/23 15:08	1
Vinyl chloride	**0.33**	**J**	1.0	0.20	ug/L			04/17/23 15:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/17/23 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*04/17/23 15:08*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*04/17/23 15:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*04/17/23 15:08*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*04/17/23 15:08*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials 01972

Job ID: 500-231910-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
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June 2, 2023

Richard Mossong
1009 LaBarge Rd.
Hudson, WI 54016

Dear Richard,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	5/22/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Client Sample ID: 1009 La Barge Rd. Raw

Date Collected: 05/22/23 09:00
Date Received: 05/26/23 09:20

Lab Sample ID: 500-234413-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.8**	**J B**	10	1.7	ug/L			06/01/23 01:30	1
Benzene	<0.15		0.50	0.15	ug/L			06/01/23 01:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/01/23 01:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/01/23 01:30	1
Bromoform	<0.48		1.0	0.48	ug/L			06/01/23 01:30	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/01/23 01:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/01/23 01:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/01/23 01:30	1
Chloroform	<0.37		2.0	0.37	ug/L			06/01/23 01:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/01/23 01:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/01/23 01:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/01/23 01:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/01/23 01:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/01/23 01:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/01/23 01:30	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/01/23 01:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/01/23 01:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/01/23 01:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/01/23 01:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/01/23 01:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/01/23 01:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/01/23 01:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/01/23 01:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:30	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/01/23 01:30	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/01/23 01:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/01/23 01:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/01/23 01:30	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/01/23 01:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/01/23 01:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/01/23 01:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/01/23 01:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:30	1
Styrene	<0.39		1.0	0.39	ug/L			06/01/23 01:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/01/23 01:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/01/23 01:30	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/01/23 01:30	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Client Sample ID: 1009 La Barge Rd. Raw
Date Collected: 05/22/23 09:00
Date Received: 05/26/23 09:20

Lab Sample ID: 500-234413-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/01/23 01:30	1
Toluene	<0.15		0.50	0.15	ug/L			06/01/23 01:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/01/23 01:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/01/23 01:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/01/23 01:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/01/23 01:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/01/23 01:30	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/01/23 01:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/01/23 01:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/01/23 01:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/01/23 01:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/01/23 01:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/01/23 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/01/23 01:30*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*06/01/23 01:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*06/01/23 01:30*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/01/23 01:30*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 2, 2023

Conrad & Velda Rivard Rev Trust
1014 Tanney Lane
Hudson, WI 54016

Dear Conrad & Velda,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	5/22/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Client Sample ID: 1014 Tanney Ln. Raw

Date Collected: 05/22/23 09:15
Date Received: 05/26/23 09:20

Lab Sample ID: 500-234413-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.1**	**J B**	10	1.7	ug/L			06/01/23 01:54	1
Benzene	<0.15		0.50	0.15	ug/L			06/01/23 01:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/01/23 01:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/01/23 01:54	1
Bromoform	<0.48		1.0	0.48	ug/L			06/01/23 01:54	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/01/23 01:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/01/23 01:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/01/23 01:54	1
Chloroform	<0.37		2.0	0.37	ug/L			06/01/23 01:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/01/23 01:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/01/23 01:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/01/23 01:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/01/23 01:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/01/23 01:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/01/23 01:54	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/01/23 01:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/01/23 01:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/01/23 01:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/01/23 01:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/01/23 01:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/01/23 01:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/01/23 01:54	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/01/23 01:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:54	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/01/23 01:54	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/01/23 01:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/01/23 01:54	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/01/23 01:54	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/01/23 01:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/01/23 01:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/01/23 01:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/01/23 01:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:54	1
Styrene	<0.39		1.0	0.39	ug/L			06/01/23 01:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/01/23 01:54	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/01/23 01:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/01/23 01:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/01/23 01:54	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Client Sample ID: 1014 Tanney Ln. Raw
Date Collected: 05/22/23 09:15
Date Received: 05/26/23 09:20

Lab Sample ID: 500-234413-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/01/23 01:54	1
Toluene	<0.15		0.50	0.15	ug/L			06/01/23 01:54	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/01/23 01:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/01/23 01:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/01/23 01:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/01/23 01:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/01/23 01:54	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/01/23 01:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/01/23 01:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/01/23 01:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/01/23 01:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/01/23 01:54	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/01/23 01:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/01/23 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/01/23 01:54*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*06/01/23 01:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*06/01/23 01:54*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/01/23 01:54*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234413-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 8, 2023

John Schultz
985 Drover Trail
Hudson, WI 54016

Dear John,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.58 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
2/6/23	5/16/23	1,238,690	107,980	0.58	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 985 Drover Trl. Raw
Date Collected: 05/16/23 11:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-9
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 05:27	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 05:27	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 05:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 05:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 05:27	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 05:27	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 05:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 05:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 05:27	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 05:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 05:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 05:27	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 05:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 05:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 05:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 05:27	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 05:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 05:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 05:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 05:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 05:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 05:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 05:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 05:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 05:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 05:27	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 05:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 05:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 05:27	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 05:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 05:27	1
n-Butylbenzene	**0.65**	**J B**	1.0	0.39	ug/L			05/26/23 05:27	1
N-Propylbenzene	**0.62**	**J B**	1.0	0.41	ug/L			05/26/23 05:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 05:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 05:27	1
4-Isopropyltoluene	**0.75**	**J B**	1.0	0.36	ug/L			05/26/23 05:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:27	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 05:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 05:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 05:27	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 05:27	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 985 Drover Trl. Raw
Date Collected: 05/16/23 11:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-9
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 05:27	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 05:27	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 05:27	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 05:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 05:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 05:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 05:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 05:27	1
Trichloroethene	**0.58**		0.50	0.16	ug/L			05/26/23 05:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 05:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 05:27	1
1,2,4-Trimethylbenzene	**0.74**	**J B**	1.0	0.36	ug/L			05/26/23 05:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 05:27	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 05:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 05:27*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 05:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*05/26/23 05:27*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 05:27*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 985 Drover Trl. DW

Date Collected: 05/16/23 11:05
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 05:53	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 05:53	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 05:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 05:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 05:53	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 05:53	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 05:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 05:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 05:53	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 05:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 05:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 05:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 05:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 05:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 05:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 05:53	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 05:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 05:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 05:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 05:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 05:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 05:53	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 05:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 05:53	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 05:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 05:53	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 05:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 05:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 05:53	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 05:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 05:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 05:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 05:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 05:53	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:53	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 05:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 05:53	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 05:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 05:53	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 05:53	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 05:53	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 05:53	1

Client Sample ID: 985 Drover Trl. DW
Date Collected: 05/16/23 11:05
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-10
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 05:53	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 05:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 05:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 05:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 05:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 05:53	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/23 05:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 05:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 05:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 05:53	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 05:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 05:53	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/26/23 05:53*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 05:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/26/23 05:53*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 05:53*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.39	H	1.0	0.39	ug/L			06/01/23 02:19	1
4-Isopropyltoluene	<0.36	H	1.0	0.36	ug/L			06/01/23 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*06/01/23 02:19*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/01/23 02:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*06/01/23 02:19*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*06/01/23 02:19*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CEDAR CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
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June 8, 2023

Jacob & Mickey Lang
848 Hillside Trail
Hudson, WI 54016

Dear Jacob & Mickey,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.6 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
3/2/23	5/16/23	3,624,080	211,200	1.6	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 848 Hillside Trl. Raw

Date Collected: 05/16/23 12:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-16

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 08:31	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 08:31	1
Bromobenzene	<0.36	* F1	1.0	0.36	ug/L			05/26/23 08:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 08:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 08:31	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 08:31	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 08:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 08:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 08:31	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 08:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 08:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 08:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 08:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 08:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 08:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 08:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 08:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 08:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 08:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 08:31	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 08:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 08:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 08:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 08:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 08:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 08:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 08:31	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 08:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 08:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 08:31	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 08:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 08:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 08:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 08:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 08:31	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 08:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 08:31	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 08:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 08:31	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 08:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 08:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 08:31	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 848 Hillside Trl. Raw
Date Collected: 05/16/23 12:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-16
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 08:31	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 08:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 08:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 08:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 08:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 08:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 08:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 08:31	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			05/26/23 08:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 08:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 08:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 08:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 08:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 08:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 08:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*05/26/23 08:31*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 08:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/26/23 08:31*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 08:31*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 8, 2023

Rick & Lynn Jasperson
894 Young Road
Hudson, WI 54016

Dear Rick & Lynn,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 2.8 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
3/28/23	5/16/23	-	-	2.8	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 894 Young Rd. Raw
Date Collected: 05/16/23 10:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7.8**	**J**	10	1.7	ug/L			05/26/23 04:08	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 04:08	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 04:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 04:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 04:08	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 04:08	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 04:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 04:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 04:08	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 04:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 04:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 04:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 04:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 04:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 04:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 04:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 04:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 04:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 04:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 04:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 04:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 04:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 04:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 04:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 04:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 04:08	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 04:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 04:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 04:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 04:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 04:08	1
n-Butylbenzene	**0.66**	**J B**	1.0	0.39	ug/L			05/26/23 04:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 04:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 04:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 04:08	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 04:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:08	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 04:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 04:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 04:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 04:08	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 894 Young Rd. Raw
Date Collected: 05/16/23 10:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 04:08	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 04:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 04:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 04:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 04:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 04:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 04:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 04:08	1
Trichloroethene	**2.8**		0.50	0.16	ug/L			05/26/23 04:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 04:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 04:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 04:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 04:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 04:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 04:08*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/26/23 04:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*05/26/23 04:08*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 04:08*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 894 Young Rd. DW
Date Collected: 05/16/23 10:20
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.8	J	10	1.7	ug/L			05/26/23 04:34	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 04:34	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 04:34	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 04:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 04:34	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 04:34	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 04:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 04:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 04:34	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 04:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 04:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 04:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 04:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 04:34	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 04:34	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 04:34	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 04:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 04:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 04:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 04:34	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 04:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 04:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 04:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 04:34	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 04:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:34	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 04:34	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 04:34	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 04:34	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 04:34	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 04:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 04:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 04:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 04:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 04:34	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 04:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:34	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 04:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 04:34	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 04:34	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 04:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 04:34	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 04:34	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 894 Young Rd. DW

Date Collected: 05/16/23 10:20
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 04:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 04:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 04:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 04:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 04:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 04:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 04:34	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/23 04:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 04:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 04:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 04:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 04:34	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 04:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/26/23 04:34*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/26/23 04:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*05/26/23 04:34*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 04:34*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.39	H	1.0	0.39	ug/L			06/01/23 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*06/01/23 01:57*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/01/23 01:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*06/01/23 01:57*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*06/01/23 01:57*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CEDAR CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 8, 2023

Ed & Susan Hastreiter
927 Fraser Lane
Hudson, WI 54016

Dear Ed & Susan,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.36 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is below both the Preventive Action Limit (0.5 ppb) and the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
4/5/23	5/16/23	1,067,600	76,020	0.36	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 927 Fraser Ln. Raw

Date Collected: 05/16/23 11:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-11

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 06:19	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 06:19	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 06:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 06:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 06:19	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 06:19	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 06:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 06:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 06:19	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 06:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 06:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 06:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 06:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 06:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 06:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 06:19	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 06:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 06:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 06:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 06:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 06:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 06:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 06:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 06:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 06:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 06:19	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 06:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 06:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 06:19	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 06:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 06:19	1
n-Butylbenzene	**0.65**	**J B**	1.0	0.39	ug/L			05/26/23 06:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 06:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 06:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 06:19	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 06:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:19	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 06:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 06:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 06:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 06:19	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 927 Fraser Ln. Raw
Date Collected: 05/16/23 11:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-11
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 06:19	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 06:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 06:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 06:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 06:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 06:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 06:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 06:19	1
Trichloroethene	**0.36**	**J**	0.50	0.16	ug/L			05/26/23 06:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 06:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 06:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 06:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 06:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 06:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 06:19*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*05/26/23 06:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/26/23 06:19*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 06:19*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 8, 2023

Dolf & Heather Schmidt
953 Florence Lane
Hudson, WI 54016

Dear Dolf & Heather,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.6 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
9/16/22	5/16/23	1,011,790	81,270	1.6	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 953 Florence Ln. Raw
Date Collected: 05/16/23 09:45
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.2**	**J**	10	1.7	ug/L			05/26/23 02:49	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 02:49	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 02:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 02:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 02:49	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 02:49	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 02:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 02:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 02:49	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 02:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 02:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 02:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 02:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 02:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 02:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 02:49	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 02:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 02:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 02:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 02:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 02:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 02:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 02:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 02:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 02:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 02:49	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 02:49	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 02:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 02:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 02:49	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 02:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 02:49	1
n-Butylbenzene	**0.68**	**J B**	1.0	0.39	ug/L			05/26/23 02:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 02:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 02:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 02:49	1
4-Isopropyltoluene	**0.77**	**J B**	1.0	0.36	ug/L			05/26/23 02:49	1
sec-Butylbenzene	**0.66**	**J B**	1.0	0.40	ug/L			05/26/23 02:49	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 02:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 02:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 02:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 02:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 02:49	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 953 Florence Ln. Raw
Date Collected: 05/16/23 09:45
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 02:49	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 02:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 02:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 02:49	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 02:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 02:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 02:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 02:49	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			05/26/23 02:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 02:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 02:49	1
1,2,4-Trimethylbenzene	**0.74**	**J B**	1.0	0.36	ug/L			05/26/23 02:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 02:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 02:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/26/23 02:49*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/26/23 02:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*05/26/23 02:49*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 02:49*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 953 Florence Ln. DW
Date Collected: 05/16/23 09:50
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.9**	**J**	10	1.7	ug/L			05/26/23 03:16	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 03:16	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 03:16	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 03:16	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 03:16	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 03:16	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 03:16	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 03:16	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 03:16	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 03:16	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 03:16	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 03:16	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 03:16	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 03:16	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 03:16	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 03:16	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 03:16	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 03:16	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 03:16	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 03:16	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 03:16	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 03:16	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 03:16	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 03:16	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 03:16	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 03:16	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 03:16	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 03:16	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 03:16	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 03:16	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 03:16	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 03:16	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 03:16	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 03:16	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 03:16	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 03:16	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 03:16	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 03:16	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 03:16	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 03:16	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 03:16	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 03:16	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 03:16	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 953 Florence Ln. DW

Date Collected: 05/16/23 09:50
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 03:16	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 03:16	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 03:16	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 03:16	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 03:16	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 03:16	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/23 03:16	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 03:16	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 03:16	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 03:16	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 03:16*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*05/26/23 03:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*05/26/23 03:16*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 03:16*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.39	H	1.0	0.39	ug/L			06/01/23 01:34	1
sec-Butylbenzene	<0.40	H	1.0	0.40	ug/L			06/01/23 01:34	1
1,2,4-Trimethylbenzene	<0.36	H	1.0	0.36	ug/L			06/01/23 01:34	1
1,3,5-Trimethylbenzene	<0.25	H	1.0	0.25	ug/L			06/01/23 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*06/01/23 01:34*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*06/01/23 01:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*06/01/23 01:34*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*06/01/23 01:34*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION

604 Wilson Avenue
Menomonie, WI 54751

Community Infrastructure • Architecture • Environmental Services

715-235-9081
www.cedarcorp.com

June 8, 2023

Jeremy & Traci Wolfe
667 Pine Timber Lane
Hudson, WI 54016

Dear Jeremy & Traci,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.2 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
3/3/23	5/16/23	2,063,670	109,990	1.2	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 667 Pine Timber Ln. Raw

Date Collected: 05/16/23 09:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.9**	**J**	10	1.7	ug/L			05/26/23 02:23	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 02:23	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 02:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 02:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 02:23	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 02:23	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 02:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 02:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 02:23	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 02:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 02:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 02:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 02:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 02:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 02:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 02:23	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 02:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 02:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 02:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 02:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 02:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 02:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 02:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 02:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 02:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 02:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 02:23	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 02:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 02:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 02:23	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 02:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 02:23	1
n-Butylbenzene	**0.69**	**J B**	1.0	0.39	ug/L			05/26/23 02:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 02:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 02:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 02:23	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 02:23	1
sec-Butylbenzene	**0.67**	**J B**	1.0	0.40	ug/L			05/26/23 02:23	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 02:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 02:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 02:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 02:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 02:23	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 667 Pine Timber Ln. Raw
Date Collected: 05/16/23 09:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 02:23	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 02:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 02:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 02:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 02:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 02:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 02:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 02:23	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			05/26/23 02:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 02:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 02:23	1
1,2,4-Trimethylbenzene	**0.74**	**J B**	1.0	0.36	ug/L			05/26/23 02:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 02:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 02:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/26/23 02:23*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*05/26/23 02:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*05/26/23 02:23*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 02:23*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CEDAR CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 8, 2023

Rebecca & Charles Gillis
949 Florence Lane
Hudson, WI 54016

Dear Rebecca & Charles,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.4 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
3/24/23	5/16/23	1,190,450	97,230	1.4	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 949 Florence Ln. Raw
Date Collected: 05/16/23 10:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 03:42	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 03:42	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 03:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 03:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 03:42	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 03:42	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 03:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 03:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 03:42	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 03:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 03:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 03:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 03:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 03:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 03:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 03:42	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 03:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 03:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 03:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 03:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 03:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 03:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 03:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 03:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 03:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 03:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 03:42	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 03:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 03:42	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 03:42	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 03:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 03:42	1
n-Butylbenzene	**0.66**	**J B**	1.0	0.39	ug/L			05/26/23 03:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 03:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 03:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 03:42	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 03:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 03:42	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 03:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 03:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 03:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 03:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 03:42	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 949 Florence Ln. Raw
Date Collected: 05/16/23 10:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 03:42	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 03:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 03:42	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 03:42	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 03:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 03:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 03:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 03:42	1
Trichloroethene	**1.4**		0.50	0.16	ug/L			05/26/23 03:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 03:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 03:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 03:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 03:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 03:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 03:42*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*05/26/23 03:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*05/26/23 03:42*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*05/26/23 03:42*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 8, 2023

Anthony & Ashly Tallarico
965 Fraser Lane
Hudson, WI 54016

Dear Anthony & Ashly,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.6 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
3/8/23	5/16/23	2,676,690	90,860	1.6	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 965 Fraser Ln Raw

Date Collected: 05/16/23 13:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-13

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 07:12	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 07:12	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 07:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 07:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 07:12	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 07:12	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 07:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 07:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 07:12	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 07:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 07:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 07:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 07:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 07:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 07:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 07:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 07:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 07:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 07:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 07:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 07:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 07:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 07:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 07:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 07:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 07:12	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 07:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 07:12	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 07:12	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 07:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 07:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 07:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 07:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 07:12	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 07:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:12	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 07:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 07:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 07:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 07:12	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 965 Fraser Ln Raw

Date Collected: 05/16/23 13:00
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-13

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 07:12	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 07:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 07:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 07:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 07:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 07:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 07:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 07:12	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			05/26/23 07:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 07:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 07:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 07:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 07:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 07:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 07:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/26/23 07:12*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*05/26/23 07:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/26/23 07:12*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 07:12*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 965 Fraser Ln DW

Date Collected: 05/16/23 13:05
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 07:39	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 07:39	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 07:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 07:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 07:39	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 07:39	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 07:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 07:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 07:39	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 07:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 07:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 07:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 07:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 07:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 07:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 07:39	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 07:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 07:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 07:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 07:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 07:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 07:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 07:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 07:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 07:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:39	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 07:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 07:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 07:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 07:39	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 07:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 07:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 07:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 07:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 07:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:39	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 07:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 07:39	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 07:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 07:39	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 07:39	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 07:39	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 965 Fraser Ln DW

Date Collected: 05/16/23 13:05
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 07:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 07:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 07:39	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 07:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 07:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 07:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 07:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			05/26/23 07:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 07:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 07:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 07:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 07:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 07:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*05/26/23 07:39*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 07:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*05/26/23 07:39*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 07:39*	*1*

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	<0.36	H	1.0	0.36	ug/L			06/01/23 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*06/01/23 02:42*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/01/23 02:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*06/01/23 02:42*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*06/01/23 02:42*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CEDAR CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 8, 2023

Rick Hanson
881 Yellowstone Trail
Hudson, WI 54016

Dear Rick,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.32 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
3/7/23	5/16/23	66,700	-	0.32	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 881 Yellowstone Trl Raw

Date Collected: 05/16/23 09:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.2**	**J**	10	1.7	ug/L			05/26/23 01:57	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 01:57	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 01:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 01:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 01:57	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 01:57	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 01:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 01:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 01:57	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 01:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 01:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 01:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 01:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 01:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 01:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 01:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 01:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 01:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 01:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 01:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 01:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 01:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 01:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 01:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 01:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 01:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 01:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 01:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 01:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 01:57	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 01:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 01:57	1
n-Butylbenzene	**0.71**	**J B**	1.0	0.39	ug/L			05/26/23 01:57	1
N-Propylbenzene	**0.63**	**J B**	1.0	0.41	ug/L			05/26/23 01:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 01:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 01:57	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 01:57	1
sec-Butylbenzene	**0.68**	**J B**	1.0	0.40	ug/L			05/26/23 01:57	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 01:57	1
tert-Butylbenzene	**0.69**	**J B**	1.0	0.40	ug/L			05/26/23 01:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 01:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 01:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 01:57	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 881 Yellowstone Trl Raw
Date Collected: 05/16/23 09:15
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 01:57	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 01:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 01:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 01:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 01:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 01:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 01:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 01:57	1
Trichloroethene	**0.32**	**J**	0.50	0.16	ug/L			05/26/23 01:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 01:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 01:57	1
1,2,4-Trimethylbenzene	**0.76**	**J B**	1.0	0.36	ug/L			05/26/23 01:57	1
1,3,5-Trimethylbenzene	**0.79**	**J B**	1.0	0.25	ug/L			05/26/23 01:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 01:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/26/23 01:57*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*05/26/23 01:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*05/26/23 01:57*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/26/23 01:57*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CEDAR CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 8, 2023

Kenneth & Barbara Kolbe
970 Florence Lane
Hudson, WI 54016

Dear Kenneth & Barbara,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.94 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
3/9/23	5/16/23	4,826,970	165,300	0.94	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 970 Florence Ln Raw

Date Collected: 05/16/23 11:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-12

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			05/26/23 06:46	1
Benzene	<0.15		0.50	0.15	ug/L			05/26/23 06:46	1
Bromobenzene	<0.36	*	1.0	0.36	ug/L			05/26/23 06:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			05/26/23 06:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			05/26/23 06:46	1
Bromoform	<0.48		1.0	0.48	ug/L			05/26/23 06:46	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			05/26/23 06:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			05/26/23 06:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			05/26/23 06:46	1
Chloroform	<0.37		2.0	0.37	ug/L			05/26/23 06:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			05/26/23 06:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			05/26/23 06:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			05/26/23 06:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			05/26/23 06:46	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			05/26/23 06:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			05/26/23 06:46	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			05/26/23 06:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			05/26/23 06:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			05/26/23 06:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			05/26/23 06:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			05/26/23 06:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			05/26/23 06:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			05/26/23 06:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			05/26/23 06:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			05/26/23 06:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			05/26/23 06:46	1
Chloromethane	<0.32		1.0	0.32	ug/L			05/26/23 06:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			05/26/23 06:46	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			05/26/23 06:46	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			05/26/23 06:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			05/26/23 06:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			05/26/23 06:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			05/26/23 06:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			05/26/23 06:46	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			05/26/23 06:46	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:46	1
Styrene	<0.39		1.0	0.39	ug/L			05/26/23 06:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			05/26/23 06:46	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			05/26/23 06:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			05/26/23 06:46	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			05/26/23 06:46	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Client Sample ID: 970 Florence Ln Raw

Date Collected: 05/16/23 11:30
Date Received: 05/22/23 09:40

Lab Sample ID: 500-234148-12

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			05/26/23 06:46	1
Toluene	<0.15		0.50	0.15	ug/L			05/26/23 06:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			05/26/23 06:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			05/26/23 06:46	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			05/26/23 06:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			05/26/23 06:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			05/26/23 06:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			05/26/23 06:46	1
Trichloroethene	**0.94**		0.50	0.16	ug/L			05/26/23 06:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			05/26/23 06:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			05/26/23 06:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			05/26/23 06:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			05/26/23 06:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			05/26/23 06:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			05/26/23 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/26/23 06:46*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*05/26/23 06:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*05/26/23 06:46*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/26/23 06:46*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-234148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 15, 2023

Amanda & Pete Orne
757 Packer Drive
Hudson, WI 54016

Dear Amanda & Pete,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	6/6/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 757 Packer Dr Raw

Date Collected: 06/06/23 08:45
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.7**	**J**	10	1.7	ug/L			06/13/23 16:54	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 16:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 16:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 16:54	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 16:54	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 16:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 16:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 16:54	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 16:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 16:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 16:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 16:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 16:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 16:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 16:54	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 16:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 16:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 16:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 16:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 16:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 16:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 16:54	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 16:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:54	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 16:54	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 16:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 16:54	1
Methylene Chloride	**2.9**	**J**	5.0	1.6	ug/L			06/13/23 16:54	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 16:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 16:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 16:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 16:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:54	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 16:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:54	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 16:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 16:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 16:54	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 757 Packer Dr Raw
Date Collected: 06/06/23 08:45
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 16:54	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 16:54	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 16:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 16:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 16:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 16:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 16:54	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/23 16:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 16:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 16:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 16:54	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 16:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*06/13/23 16:54*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*06/13/23 16:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*06/13/23 16:54*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*06/13/23 16:54*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 15, 2023

Josh & Amy Pals
933 Sadie's Lane
Hudson, WI 54016

Dear Josh & Amy,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.3 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
4/7/23	6/6/23	1,115,530	68,670	1.3	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 933 Sadies Ln Raw
Date Collected: 06/06/23 08:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.3**	**J**	10	1.7	ug/L			06/13/23 16:29	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 16:29	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 16:29	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 16:29	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 16:29	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 16:29	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 16:29	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 16:29	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 16:29	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 16:29	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 16:29	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 16:29	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 16:29	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 16:29	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 16:29	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 16:29	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 16:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 16:29	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 16:29	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 16:29	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 16:29	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 16:29	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 16:29	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:29	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 16:29	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 16:29	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 16:29	1
Methylene Chloride	**2.7**	**J**	5.0	1.6	ug/L			06/13/23 16:29	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 16:29	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 16:29	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 16:29	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 16:29	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:29	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 16:29	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 16:29	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 16:29	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 16:29	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 16:29	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 933 Sadies Ln Raw
Date Collected: 06/06/23 08:30
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 16:29	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 16:29	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 16:29	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 16:29	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 16:29	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 16:29	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 16:29	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			06/13/23 16:29	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 16:29	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 16:29	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 16:29	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 16:29	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 16:29	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*06/13/23 16:29*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*06/13/23 16:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*06/13/23 16:29*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/13/23 16:29*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 15, 2023

Scott & Patricia Schoeder
737 Packer Drive
Hudson, WI 54016

Dear Scott & Patricia,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	6/6/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 737 Packer Dr Raw

Date Collected: 06/06/23 09:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.6**	**J**	10	1.7	ug/L			06/13/23 17:18	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 17:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 17:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 17:18	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 17:18	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 17:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 17:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 17:18	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 17:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 17:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 17:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 17:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 17:18	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 17:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 17:18	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 17:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 17:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 17:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 17:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 17:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 17:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 17:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 17:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:18	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 17:18	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 17:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 17:18	1
Methylene Chloride	**2.9**	**J**	5.0	1.6	ug/L			06/13/23 17:18	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 17:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 17:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 17:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 17:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:18	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 17:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:18	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 17:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 17:18	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 17:18	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 737 Packer Dr Raw
Date Collected: 06/06/23 09:00
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 17:18	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 17:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 17:18	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 17:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 17:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 17:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 17:18	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/23 17:18	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 17:18	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 17:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 17:18	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 17:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*06/13/23 17:18*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*06/13/23 17:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*06/13/23 17:18*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/13/23 17:18*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 15, 2023

Duane Scholz
963 Labarge Road
Hudson, WI 54016

Dear Duane,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.33 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is below both the Preventive Action Limit (0.5 ppb) and the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
4/18/23	6/6/23	2,157,370	53,110	0.33	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 963 Labarge Rd Raw

Date Collected: 06/06/23 09:15
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.8**	**J**	10	1.7	ug/L			06/13/23 17:42	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 17:42	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 17:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 17:42	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 17:42	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 17:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 17:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 17:42	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 17:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 17:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 17:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 17:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 17:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 17:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 17:42	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 17:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 17:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 17:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 17:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 17:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 17:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 17:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 17:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 17:42	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 17:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 17:42	1
Methylene Chloride	**3.1**	**J**	5.0	1.6	ug/L			06/13/23 17:42	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 17:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 17:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 17:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 17:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:42	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 17:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 17:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 17:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 17:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 17:42	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 963 Labarge Rd Raw
Date Collected: 06/06/23 09:15
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 17:42	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 17:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 17:42	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 17:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 17:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 17:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 17:42	1
Trichloroethene	**0.33**	**J**	0.50	0.16	ug/L			06/13/23 17:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 17:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 17:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 17:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 17:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 17:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*06/13/23 17:42*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*06/13/23 17:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*06/13/23 17:42*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*06/13/23 17:42*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 963 Labarge Rd DW

Date Collected: 06/06/23 09:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.2**	**J**	10	1.7	ug/L			06/13/23 18:07	1
Benzene	<0.15		0.50	0.15	ug/L			06/13/23 18:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/23 18:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/23 18:07	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/23 18:07	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/13/23 18:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/23 18:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/23 18:07	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/23 18:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/23 18:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/23 18:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/23 18:07	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/23 18:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/23 18:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/23 18:07	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/23 18:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/23 18:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/23 18:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/23 18:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/23 18:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/23 18:07	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/23 18:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/23 18:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/23 18:07	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/23 18:07	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/13/23 18:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/23 18:07	1
Methylene Chloride	**2.9**	**J**	5.0	1.6	ug/L			06/13/23 18:07	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/13/23 18:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/23 18:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/23 18:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/23 18:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 18:07	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/23 18:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/23 18:07	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/23 18:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/23 18:07	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/23 18:07	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Client Sample ID: 963 Labarge Rd DW
Date Collected: 06/06/23 09:20
Date Received: 06/08/23 09:50

Lab Sample ID: 500-234941-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/13/23 18:07	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/23 18:07	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/23 18:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/23 18:07	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/23 18:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/23 18:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/23 18:07	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/23 18:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/23 18:07	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/23 18:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/23 18:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/23 18:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/23 18:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/23 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*06/13/23 18:07*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*06/13/23 18:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*06/13/23 18:07*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/13/23 18:07*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234941-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 29, 2023

Jon & Wanda Lohman
736 Packer Drive
Hudson, WI 54016

Dear Jon & Wanda,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	6/12/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 736 Packer Dr. Raw
Date Collected: 06/12/23 09:15
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 11:32	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 11:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 11:32	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 11:32	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 11:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 11:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 11:32	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 11:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 11:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 11:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 11:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 11:32	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 11:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 11:32	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 11:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 11:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 11:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 11:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 11:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 11:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 11:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 11:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 11:32	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 11:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 11:32	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 11:32	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 11:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 11:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 11:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 11:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:32	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 11:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 11:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 11:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 11:32	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 736 Packer Dr. Raw
Date Collected: 06/12/23 09:15
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 11:32	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 11:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 11:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 11:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 11:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 11:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 11:32	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 11:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 11:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 11:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 11:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/21/23 11:32*	*1*
Dibromofluoromethane (Surr)	*121*	*X*	*75 - 120*		*06/21/23 11:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*06/21/23 11:32*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/21/23 11:32*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

March 22, 2023

Amy & Tim Jaynes
672 Pine Timber Lane
Hudson, WI 54016

Dear Amy & Tim,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/13/22	6/12/23	1,085,560	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 672 Pine Timber Ln Raw

Date Collected: 06/12/23 09:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 11:56	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 11:56	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:56	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 11:56	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 11:56	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 11:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 11:56	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 11:56	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 11:56	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 11:56	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 11:56	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 11:56	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 11:56	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 11:56	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 11:56	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 11:56	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 11:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 11:56	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 11:56	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 11:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 11:56	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 11:56	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 11:56	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:56	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 11:56	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 11:56	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 11:56	1
Methylene Chloride	**1.9**	**J**	5.0	1.6	ug/L			06/21/23 11:56	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 11:56	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 11:56	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 11:56	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 11:56	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:56	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 11:56	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:56	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 11:56	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 11:56	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 11:56	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 672 Pine Timber Ln Raw

Date Collected: 06/12/23 09:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 11:56	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 11:56	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 11:56	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 11:56	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 11:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 11:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 11:56	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 11:56	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:56	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 11:56	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:56	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 11:56	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 11:56	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*06/21/23 11:56*	*1*
Dibromofluoromethane (Surr)	*122*	*X*	*75 - 120*		*06/21/23 11:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*06/21/23 11:56*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/21/23 11:56*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 672 Pine Timber Ln DW

Date Collected: 06/12/23 09:05
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 12:21	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 12:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 12:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 12:21	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 12:21	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 12:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 12:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 12:21	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 12:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 12:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 12:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 12:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 12:21	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 12:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 12:21	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 12:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 12:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 12:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 12:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 12:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 12:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 12:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 12:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:21	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 12:21	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 12:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 12:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 12:21	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 12:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 12:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 12:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 12:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:21	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 12:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:21	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 12:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 12:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 12:21	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 672 Pine Timber Ln DW

Lab Sample ID: 500-235499-4

Date Collected: 06/12/23 09:05

Matrix: Water

Date Received: 06/20/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 12:21	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 12:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 12:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 12:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 12:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 12:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 12:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 12:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 12:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 12:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 12:21	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 12:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/21/23 12:21*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*06/21/23 12:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*06/21/23 12:21*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*06/21/23 12:21*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 29, 2023

Robert & Mary Alice Boesel
713 Packer Drive
Hudson, WI 54016

Dear Robert & Mary,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	6/12/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 713 Packer Dr. Raw
Date Collected: 06/12/23 10:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 12:46	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 12:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 12:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 12:46	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 12:46	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 12:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 12:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 12:46	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 12:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 12:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 12:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 12:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 12:46	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 12:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 12:46	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 12:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 12:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 12:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 12:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 12:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 12:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 12:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 12:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 12:46	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 12:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 12:46	1
Methylene Chloride	**1.6**	**J**	5.0	1.6	ug/L			06/21/23 12:46	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 12:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 12:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 12:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 12:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:46	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 12:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 12:46	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 12:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 12:46	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 12:46	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 713 Packer Dr. Raw
Date Collected: 06/12/23 10:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 12:46	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 12:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 12:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 12:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 12:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 12:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 12:46	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 12:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 12:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 12:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 12:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 12:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 12:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*06/21/23 12:46*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*06/21/23 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*06/21/23 12:46*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*06/21/23 12:46*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 29, 2023

Matthew Butzen
943 Alexander Road
Hudson, WI 54016

Dear Matthew,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	6/12/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 943 Alexander Rd. Raw

Date Collected: 06/12/23 10:15
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 13:10	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 13:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 13:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 13:10	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 13:10	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 13:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 13:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 13:10	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 13:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 13:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 13:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 13:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 13:10	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 13:10	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 13:10	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 13:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 13:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 13:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 13:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 13:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 13:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 13:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 13:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:10	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 13:10	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 13:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 13:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 13:10	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 13:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 13:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 13:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 13:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:10	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 13:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:10	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 13:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 13:10	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 13:10	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 943 Alexander Rd. Raw
Date Collected: 06/12/23 10:15
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 13:10	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 13:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 13:10	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 13:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 13:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 13:10	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 13:10	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 13:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 13:10	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 13:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 13:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 13:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*06/21/23 13:10*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*06/21/23 13:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*06/21/23 13:10*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*06/21/23 13:10*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 29, 2023

Rod Kromrey
972 Fraser Lane
Hudson, WI 54016

Dear Rod,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/13/22	6/12/23	1,085,560	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln Raw

Date Collected: 06/12/23 09:30
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 11:08	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 11:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 11:08	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 11:08	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 11:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 11:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 11:08	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 11:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 11:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 11:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 11:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 11:08	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 11:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 11:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 11:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 11:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 11:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 11:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 11:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 11:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 11:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 11:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 11:08	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 11:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 11:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 11:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 11:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 11:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 11:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 11:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:08	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 11:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 11:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 11:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 11:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 11:08	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln Raw
Date Collected: 06/12/23 09:30
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 11:08	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 11:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 11:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 11:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 11:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 11:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 11:08	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			06/21/23 11:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 11:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 11:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 11:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 11:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 11:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*06/21/23 11:08*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*06/21/23 11:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*06/21/23 11:08*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/21/23 11:08*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln. DW
Date Collected: 06/12/23 09:35
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-8
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 13:59	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 13:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 13:59	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 13:59	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 13:59	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 13:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 13:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 13:59	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 13:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 13:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 13:59	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 13:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 13:59	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 13:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 13:59	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 13:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 13:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 13:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 13:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 13:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 13:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 13:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 13:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:59	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 13:59	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 13:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 13:59	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 13:59	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 13:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 13:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 13:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 13:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:59	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 13:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 13:59	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 13:59	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 13:59	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 13:59	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 972 Fraser Ln. DW

Date Collected: 06/12/23 09:35
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 13:59	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 13:59	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 13:59	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 13:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 13:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 13:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 13:59	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 13:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 13:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 13:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 13:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 13:59	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 13:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*06/21/23 13:59*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/21/23 13:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*06/21/23 13:59*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*06/21/23 13:59*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

June 29, 2023

Dean Jr. & Carin Kern
875 Jane Circle
Hudson, WI 54016

Dear Dean & Carin,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/13/22	6/12/23	1,542,950	40,630	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 875 Jane Cr.Raw

Date Collected: 06/19/23 09:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 14:24	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 14:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 14:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 14:24	1
Bromoform	<0.48		1.0	0.48	ug/L			06/21/23 14:24	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 14:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 14:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 14:24	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 14:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 14:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 14:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 14:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 14:24	1
Dibromochloromethane	<0.49	*	1.0	0.49	ug/L			06/21/23 14:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 14:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 14:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 14:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 14:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 14:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 14:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 14:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 14:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 14:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:24	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 14:24	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 14:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 14:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 14:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 14:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 14:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 14:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 14:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:24	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 14:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/21/23 14:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 14:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/21/23 14:24	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 875 Jane Cr.Raw

Date Collected: 06/19/23 09:00
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 14:24	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 14:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 14:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 14:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 14:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 14:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 14:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 14:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 14:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 14:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 14:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 14:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*06/21/23 14:24*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 120*		*06/21/23 14:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*06/21/23 14:24*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/21/23 14:24*	*1*

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 875 Jane Cr. DW

Date Collected: 06/19/23 09:05
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/21/23 14:48	1
Benzene	<0.15		0.50	0.15	ug/L			06/21/23 14:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/21/23 14:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/21/23 14:48	1
Bromoform	<0.48	F1	1.0	0.48	ug/L			06/21/23 14:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/21/23 14:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/21/23 14:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/21/23 14:48	1
Chloroform	<0.37		2.0	0.37	ug/L			06/21/23 14:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/21/23 14:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/21/23 14:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/21/23 14:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/21/23 14:48	1
Dibromochloromethane	<0.49	* F1	1.0	0.49	ug/L			06/21/23 14:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/21/23 14:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/21/23 14:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/21/23 14:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/21/23 14:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/21/23 14:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/21/23 14:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/21/23 14:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/21/23 14:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/21/23 14:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/21/23 14:48	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/21/23 14:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/21/23 14:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/21/23 14:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/21/23 14:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/21/23 14:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/21/23 14:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/21/23 14:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:48	1
Styrene	<0.39		1.0	0.39	ug/L			06/21/23 14:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/21/23 14:48	1
1,1,1,2-Tetrachloroethane	<0.46	F1	1.0	0.46	ug/L			06/21/23 14:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/21/23 14:48	1
Tetrachloroethene	<0.37	F1	1.0	0.37	ug/L			06/21/23 14:48	1

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Client Sample ID: 875 Jane Cr. DW

Date Collected: 06/19/23 09:05
Date Received: 06/20/23 09:50

Lab Sample ID: 500-235499-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/21/23 14:48	1
Toluene	<0.15		0.50	0.15	ug/L			06/21/23 14:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/21/23 14:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/21/23 14:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/21/23 14:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/21/23 14:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/21/23 14:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/21/23 14:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/21/23 14:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/21/23 14:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/21/23 14:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/21/23 14:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/21/23 14:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/21/23 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*06/21/23 14:48*	*1*
Dibromofluoromethane (Surr)	*123*	*X*	*75 - 120*		*06/21/23 14:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*06/21/23 14:48*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/21/23 14:48*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF

Job ID: 500-235499-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

July 18, 2023

Jill Harden & Tom Hoelkinger
860 Young Road
Hudson, WI 54016

Dear Jill & Tom,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	7/5/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 860 Young Rd Raw

Date Collected: 07/05/23 09:00
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-1

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/14/23 12:20	1
Benzene	<0.15		0.50	0.15	ug/L			07/14/23 12:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/14/23 12:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/14/23 12:20	1
Bromoform	<0.48		1.0	0.48	ug/L			07/14/23 12:20	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			07/14/23 12:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/14/23 12:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/14/23 12:20	1
Chloroform	<0.37		2.0	0.37	ug/L			07/14/23 12:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/14/23 12:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/14/23 12:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/14/23 12:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/14/23 12:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/14/23 12:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/14/23 12:20	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/14/23 12:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/14/23 12:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/14/23 12:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/14/23 12:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/14/23 12:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/14/23 12:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/14/23 12:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/14/23 12:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/14/23 12:20	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/14/23 12:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/14/23 12:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/14/23 12:20	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/14/23 12:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/14/23 12:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/14/23 12:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/14/23 12:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:20	1
Styrene	<0.39		1.0	0.39	ug/L			07/14/23 12:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:20	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/14/23 12:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/14/23 12:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/14/23 12:20	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 860 Young Rd Raw
Date Collected: 07/05/23 09:00
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/14/23 12:20	1
Toluene	<0.15		0.50	0.15	ug/L			07/14/23 12:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/14/23 12:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/14/23 12:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/14/23 12:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/14/23 12:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/14/23 12:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/14/23 12:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/14/23 12:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/14/23 12:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/14/23 12:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/14/23 12:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/14/23 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*07/14/23 12:20*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*07/14/23 12:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*75 - 126*		*07/14/23 12:20*	*1*
Toluene-d8 (Surr)	*108*		*75 - 120*		*07/14/23 12:20*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

July 18, 2023

Tom & Becky Bohlen
724 McCutcheon Road
Hudson, WI 54016

Dear Tom & Becky,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
5/2/23	7/5/23	1,443,530	173,650	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 724 McCutcheon Rd Raw

Date Collected: 07/05/23 09:15
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/14/23 12:45	1
Benzene	<0.15		0.50	0.15	ug/L			07/14/23 12:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/14/23 12:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/14/23 12:45	1
Bromoform	<0.48		1.0	0.48	ug/L			07/14/23 12:45	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			07/14/23 12:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/14/23 12:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/14/23 12:45	1
Chloroform	<0.37		2.0	0.37	ug/L			07/14/23 12:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/14/23 12:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/14/23 12:45	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/14/23 12:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/14/23 12:45	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/14/23 12:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/14/23 12:45	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/14/23 12:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/14/23 12:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/14/23 12:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/14/23 12:45	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/14/23 12:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/14/23 12:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/14/23 12:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/14/23 12:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:45	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/14/23 12:45	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/14/23 12:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/14/23 12:45	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/14/23 12:45	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/14/23 12:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/14/23 12:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/14/23 12:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/14/23 12:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:45	1
Styrene	<0.39		1.0	0.39	ug/L			07/14/23 12:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 12:45	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/14/23 12:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/14/23 12:45	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/14/23 12:45	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 724 McCutcheon Rd Raw
Date Collected: 07/05/23 09:15
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/14/23 12:45	1
Toluene	<0.15		0.50	0.15	ug/L			07/14/23 12:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/14/23 12:45	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/14/23 12:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/14/23 12:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/14/23 12:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/14/23 12:45	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/14/23 12:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/14/23 12:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/14/23 12:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/14/23 12:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/14/23 12:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/14/23 12:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/14/23 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*72 - 124*		*07/14/23 12:45*	*1*
Dibromofluoromethane (Surr)	*118*		*75 - 120*		*07/14/23 12:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*128*	*X*	*75 - 126*		*07/14/23 12:45*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*07/14/23 12:45*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

July 18, 2023

Kenneth & Beverly Heutmaker
698 Pine Timber Lane
Hudson, WI 54016

Dear Kenneth & Beverly,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
5/23/23	7/5/23	1,209,710	55,500	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 698 Pine Timber Ln Raw

Date Collected: 07/05/23 09:30
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/17/23 20:36	1
Benzene	<0.15		0.50	0.15	ug/L			07/17/23 20:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/17/23 20:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/17/23 20:36	1
Bromoform	<0.48		1.0	0.48	ug/L			07/17/23 20:36	1
Carbon disulfide	<0.45	F1	2.0	0.45	ug/L			07/17/23 20:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/17/23 20:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/17/23 20:36	1
Chloroform	<0.37		2.0	0.37	ug/L			07/17/23 20:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/17/23 20:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/17/23 20:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/17/23 20:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/17/23 20:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/17/23 20:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/17/23 20:36	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/17/23 20:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/17/23 20:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
1,1-Dichloroethene	<0.39	F1	1.0	0.39	ug/L			07/17/23 20:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/17/23 20:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/17/23 20:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/17/23 20:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/17/23 20:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/17/23 20:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/17/23 20:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/17/23 20:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/17/23 20:36	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/17/23 20:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/17/23 20:36	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/17/23 20:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/17/23 20:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/17/23 20:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/17/23 20:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/17/23 20:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/17/23 20:36	1
Styrene	<0.39		1.0	0.39	ug/L			07/17/23 20:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/17/23 20:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/17/23 20:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/17/23 20:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/17/23 20:36	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 698 Pine Timber Ln Raw
Date Collected: 07/05/23 09:30
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/17/23 20:36	1
Toluene	<0.15		0.50	0.15	ug/L			07/17/23 20:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/17/23 20:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/17/23 20:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/17/23 20:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/17/23 20:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/17/23 20:36	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/17/23 20:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/17/23 20:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/17/23 20:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/17/23 20:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/17/23 20:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/17/23 20:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/17/23 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*07/17/23 20:36*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*07/17/23 20:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*07/17/23 20:36*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*07/17/23 20:36*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 698 Pine Timber Ln DW

Date Collected: 07/05/23 09:35
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/14/23 13:33	1
Benzene	<0.15		0.50	0.15	ug/L			07/14/23 13:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/14/23 13:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/14/23 13:33	1
Bromoform	<0.48		1.0	0.48	ug/L			07/14/23 13:33	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			07/14/23 13:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/14/23 13:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/14/23 13:33	1
Chloroform	<0.37		2.0	0.37	ug/L			07/14/23 13:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/14/23 13:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/14/23 13:33	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/14/23 13:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/14/23 13:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/14/23 13:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/14/23 13:33	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/14/23 13:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/14/23 13:33	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/14/23 13:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/14/23 13:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/14/23 13:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/14/23 13:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/14/23 13:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/14/23 13:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/14/23 13:33	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/14/23 13:33	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/14/23 13:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/14/23 13:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/14/23 13:33	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/14/23 13:33	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/14/23 13:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/14/23 13:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/14/23 13:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 13:33	1
Styrene	<0.39		1.0	0.39	ug/L			07/14/23 13:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 13:33	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/14/23 13:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/14/23 13:33	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/14/23 13:33	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 698 Pine Timber Ln DW
Date Collected: 07/05/23 09:35
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/14/23 13:33	1
Toluene	<0.15		0.50	0.15	ug/L			07/14/23 13:33	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/14/23 13:33	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/14/23 13:33	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/14/23 13:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/14/23 13:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/14/23 13:33	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/14/23 13:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/14/23 13:33	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/14/23 13:33	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/14/23 13:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/14/23 13:33	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/14/23 13:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/14/23 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*72 - 124*		*07/14/23 13:33*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*07/14/23 13:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*75 - 126*		*07/14/23 13:33*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*07/14/23 13:33*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION

604 Wilson Avenue
Menomonie, WI 54751

Community Infrastructure • Architecture • Environmental Services

715-235-9081
www.cedarcorp.com

July 18, 2023

Scott & Tammy Bjork
940 Sadie's Lane
Hudson, WI 54016

Dear Scott & Tammy,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.8 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
5/23/23	7/5/23	1,063,720	54,650	1.8	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 940 Sadies Ln Raw

Date Collected: 07/05/23 09:45
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-5

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			07/14/23 11:55	1
Benzene	<0.15		0.50	0.15	ug/L			07/14/23 11:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/14/23 11:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/14/23 11:55	1
Bromoform	<0.48		1.0	0.48	ug/L			07/14/23 11:55	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			07/14/23 11:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/14/23 11:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/14/23 11:55	1
Chloroform	<0.37		2.0	0.37	ug/L			07/14/23 11:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/14/23 11:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/14/23 11:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/14/23 11:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/14/23 11:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/14/23 11:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/14/23 11:55	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/14/23 11:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/14/23 11:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/14/23 11:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/14/23 11:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/14/23 11:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/14/23 11:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/14/23 11:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/14/23 11:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/14/23 11:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/14/23 11:55	1
Chloromethane	<0.32		5.0	0.32	ug/L			07/14/23 11:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/14/23 11:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/14/23 11:55	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/14/23 11:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/14/23 11:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/14/23 11:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/14/23 11:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 11:55	1
Styrene	<0.39		1.0	0.39	ug/L			07/14/23 11:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/14/23 11:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/14/23 11:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/14/23 11:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/14/23 11:55	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Client Sample ID: 940 Sadies Ln Raw
Date Collected: 07/05/23 09:45
Date Received: 07/06/23 10:00

Lab Sample ID: 500-236148-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			07/14/23 11:55	1
Toluene	<0.15		0.50	0.15	ug/L			07/14/23 11:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/14/23 11:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/14/23 11:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/14/23 11:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/14/23 11:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/14/23 11:55	1
Trichloroethene	**1.8**		0.50	0.16	ug/L			07/14/23 11:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/14/23 11:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/14/23 11:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/14/23 11:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/14/23 11:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/14/23 11:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/14/23 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*72 - 124*		*07/14/23 11:55*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 120*		*07/14/23 11:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*75 - 126*		*07/14/23 11:55*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*07/14/23 11:55*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-236148-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
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www.cedarcorp.com

September 11, 2023

Jessica Jacobson
910 Florence Lane
Hudson, WI 54016

Dear Jessica,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.0 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/12/23	8/28/23	1,547,540	60,970	1.0	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 910 Florence Ln Raw

Date Collected: 08/28/23 09:45
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7.1**	**J B**	10	1.7	ug/L			09/06/23 15:00	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 15:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 15:00	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 15:00	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			09/06/23 15:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 15:00	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 15:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 15:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 15:00	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 15:00	1
Chloromethane	**0.40**	**J**	5.0	0.32	ug/L			09/06/23 15:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 15:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 15:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 15:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 15:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 15:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 15:00	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 15:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 15:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 15:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 15:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 15:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 15:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 15:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 15:00	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/06/23 15:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 15:00	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 15:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 15:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:00	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 15:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 15:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 15:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 15:00	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 910 Florence Ln Raw
Date Collected: 08/28/23 09:45
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 15:00	1
Toluene	**0.21**	**J**	0.50	0.15	ug/L			09/06/23 15:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 15:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 15:00	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 15:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 15:00	1
Trichloroethene	**1.0**		0.50	0.16	ug/L			09/06/23 15:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 15:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 15:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 15:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*09/06/23 15:00*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*09/06/23 15:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*09/06/23 15:00*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*09/06/23 15:00*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 910 Florence Ln DW

Date Collected: 08/28/23 09:50
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7.2**	**J B**	10	1.7	ug/L			09/06/23 15:24	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 15:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 15:24	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 15:24	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			09/06/23 15:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 15:24	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 15:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 15:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 15:24	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 15:24	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/06/23 15:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 15:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 15:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 15:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 15:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 15:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 15:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 15:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 15:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 15:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 15:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 15:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 15:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 15:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 15:24	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/06/23 15:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 15:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 15:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 15:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:24	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 15:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 15:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 15:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 15:24	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 910 Florence Ln DW

Date Collected: 08/28/23 09:50
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 15:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 15:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 15:24	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 15:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 15:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/06/23 15:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 15:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 15:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 15:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*09/06/23 15:24*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*09/06/23 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*09/06/23 15:24*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*09/06/23 15:24*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			09/08/23 21:08	1

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION

604 Wilson Avenue
Menomonie, WI 54751

Community Infrastructure • Architecture • Environmental Services

715-235-9081
www.cedarcorp.com

September 11, 2023

Lance & Darlene Wendlandt
816 Dove Court
Hudson, WI 54016

Dear Lance & Darlene,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 3.1 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/21/23	8/28/23	1,502,730	79,020	3.1	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 816 Dove Ct Raw

Date Collected: 08/28/23 09:30
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/06/23 17:44	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 17:44	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 17:44	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 17:44	1
Bromoform	<0.48	^c	1.0	0.48	ug/L			09/06/23 17:44	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/06/23 17:44	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 17:44	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 17:44	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 17:44	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 17:44	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 17:44	1
Chloromethane	<0.32	^c	5.0	0.32	ug/L			09/06/23 17:44	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 17:44	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 17:44	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 17:44	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 17:44	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 17:44	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/06/23 17:44	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 17:44	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 17:44	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:44	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 17:44	1
1,1-Dichloroethane	<0.41	^c	1.0	0.41	ug/L			09/06/23 17:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
1,2-Dichloropropane	<0.43	^c	1.0	0.43	ug/L			09/06/23 17:44	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 17:44	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 17:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 17:44	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/06/23 17:44	1
Isopropylbenzene	<0.39	^c	1.0	0.39	ug/L			09/06/23 17:44	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			09/06/23 17:44	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 17:44	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 17:44	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
N-Propylbenzene	<0.41	^c	1.0	0.41	ug/L			09/06/23 17:44	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:44	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 17:44	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:44	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 17:44	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 17:44	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			09/06/23 17:44	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 816 Dove Ct Raw
Date Collected: 08/28/23 09:30
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 17:44	1
Toluene	<0.15		0.50	0.15	ug/L			09/06/23 17:44	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 17:44	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 17:44	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/06/23 17:44	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 17:44	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 17:44	1
Trichloroethene	**3.1**		0.50	0.16	ug/L			09/06/23 17:44	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 17:44	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 17:44	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:44	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 17:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 17:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*	*^c*	*72 - 124*		*09/06/23 17:44*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*09/06/23 17:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*09/06/23 17:44*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*09/06/23 17:44*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 816 Dove Ct DW
Date Collected: 08/28/23 09:35
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.8	J	10	1.7	ug/L			09/06/23 18:09	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 18:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 18:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 18:09	1
Bromoform	<0.48	^c	1.0	0.48	ug/L			09/06/23 18:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/06/23 18:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 18:09	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 18:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 18:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 18:09	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 18:09	1
Chloromethane	<0.32	^c	5.0	0.32	ug/L			09/06/23 18:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 18:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 18:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 18:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 18:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 18:09	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/06/23 18:09	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 18:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 18:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 18:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 18:09	1
1,1-Dichloroethane	<0.41	^c	1.0	0.41	ug/L			09/06/23 18:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
1,2-Dichloropropane	<0.43	^c	1.0	0.43	ug/L			09/06/23 18:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 18:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 18:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 18:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/06/23 18:09	1
Isopropylbenzene	<0.39	^c	1.0	0.39	ug/L			09/06/23 18:09	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			09/06/23 18:09	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
Methylene Chloride	<1.6	F1	5.0	1.6	ug/L			09/06/23 18:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 18:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
N-Propylbenzene	<0.41	^c	1.0	0.41	ug/L			09/06/23 18:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 18:09	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 18:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 18:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 18:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 18:09	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			09/06/23 18:09	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 816 Dove Ct DW
Date Collected: 08/28/23 09:35
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 18:09	1
Toluene	<0.15		0.50	0.15	ug/L			09/06/23 18:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 18:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 18:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/06/23 18:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 18:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 18:09	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/06/23 18:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 18:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 18:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 18:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 18:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 18:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*	*^c*	*72 - 124*		*09/06/23 18:09*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*09/06/23 18:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*09/06/23 18:09*	*1*
Toluene-d8 (Surr)	*110*		*75 - 120*		*09/06/23 18:09*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 11, 2023

Julie Johnson
960 Fraser Lane
Hudson, WI 54016

Dear Julie,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.5 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/19/23	8/28/23	383,390	-	1.5	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 960 Fraser Ln Raw

Date Collected: 08/28/23 09:15
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/06/23 17:19	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 17:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 17:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 17:19	1
Bromoform	<0.48	^c	1.0	0.48	ug/L			09/06/23 17:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/06/23 17:19	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 17:19	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 17:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 17:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 17:19	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 17:19	1
Chloromethane	<0.32	^c	5.0	0.32	ug/L			09/06/23 17:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 17:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 17:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 17:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 17:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 17:19	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/06/23 17:19	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 17:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 17:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 17:19	1
1,1-Dichloroethane	<0.41	^c	1.0	0.41	ug/L			09/06/23 17:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
1,2-Dichloropropane	<0.43	^c	1.0	0.43	ug/L			09/06/23 17:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 17:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 17:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 17:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/06/23 17:19	1
Isopropylbenzene	<0.39	^c	1.0	0.39	ug/L			09/06/23 17:19	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			09/06/23 17:19	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 17:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 17:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
N-Propylbenzene	<0.41	^c	1.0	0.41	ug/L			09/06/23 17:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:19	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 17:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 17:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 17:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 17:19	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			09/06/23 17:19	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 960 Fraser Ln Raw
Date Collected: 08/28/23 09:15
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 17:19	1
Toluene	<0.15		0.50	0.15	ug/L			09/06/23 17:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 17:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 17:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/06/23 17:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 17:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 17:19	1
Trichloroethene	**1.5**		0.50	0.16	ug/L			09/06/23 17:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 17:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 17:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 17:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 17:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 17:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*	*^c*	*72 - 124*		*09/06/23 17:19*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 120*		*09/06/23 17:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 126*		*09/06/23 17:19*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*09/06/23 17:19*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION

604 Wilson Avenue
Menomonie, WI 54751

Community Infrastructure • Architecture • Environmental Services

715-235-9081
www.cedarcorp.com

September 11, 2023

John & Jean Hutchison
826 Hillside Trail
Hudson, WI 54016

Dear John & Jean,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 2.0 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/14/23	8/28/23	1,116,040	55,610	2.0	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 826 Hillside Trl Raw
Date Collected: 08/28/23 10:00
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.7	J B	10	1.7	ug/L			09/06/23 15:48	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 15:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 15:48	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 15:48	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			09/06/23 15:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 15:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 15:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 15:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 15:48	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 15:48	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/06/23 15:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 15:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 15:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 15:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 15:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 15:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 15:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 15:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 15:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 15:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 15:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 15:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 15:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 15:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 15:48	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/06/23 15:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 15:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 15:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 15:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:48	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 15:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 15:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 15:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 15:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 15:48	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 826 Hillside Trl Raw
Date Collected: 08/28/23 10:00
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 15:48	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			09/06/23 15:48	1
trans-1,2-Dichloroethene	**1.1**		1.0	0.35	ug/L			09/06/23 15:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 15:48	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/06/23 15:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 15:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 15:48	1
Trichloroethene	**2.0**		0.50	0.16	ug/L			09/06/23 15:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 15:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 15:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 15:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 15:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 15:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*09/06/23 15:48*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*09/06/23 15:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*09/06/23 15:48*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/06/23 15:48*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 826 Hillside Trl DW

Date Collected: 08/28/23 10:05
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.8**	**J B**	10	1.7	ug/L			09/06/23 16:13	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 16:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 16:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 16:13	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 16:13	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			09/06/23 16:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 16:13	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 16:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 16:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 16:13	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 16:13	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/06/23 16:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 16:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 16:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 16:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 16:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 16:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 16:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 16:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 16:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 16:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 16:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 16:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 16:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 16:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 16:13	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/06/23 16:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 16:13	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 16:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 16:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 16:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:13	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 16:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 16:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 16:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 16:13	1

Client Sample ID: 826 Hillside Trl DW

Lab Sample ID: 500-238773-7

Date Collected: 08/28/23 10:05

Matrix: Water

Date Received: 08/29/23 10:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 16:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 16:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 16:13	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/06/23 16:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 16:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 16:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/06/23 16:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 16:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 16:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 16:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 16:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*09/06/23 16:13*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*09/06/23 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*09/06/23 16:13*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/06/23 16:13*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			09/08/23 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*	*^c*	*72 - 124*		*09/08/23 21:33*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 120*		*09/08/23 21:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*09/08/23 21:33*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*09/08/23 21:33*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 11, 2023

Joe & Patty Thompson
817 Hillside Trail
Hudson, WI 54016

Dear Joe & Patty,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
5/23/23	8/28/23	629,960	67,070	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 817 Hillside Trl Raw
Date Collected: 08/28/23 10:15
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**8.5**	**J B**	10	1.7	ug/L			09/06/23 16:37	1
Benzene	<0.15		0.50	0.15	ug/L			09/06/23 16:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/06/23 16:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/06/23 16:37	1
Bromoform	<0.48		1.0	0.48	ug/L			09/06/23 16:37	1
Bromomethane	<0.80	^c *	3.0	0.80	ug/L			09/06/23 16:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/06/23 16:37	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/06/23 16:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/06/23 16:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/06/23 16:37	1
Chloroform	<0.37		2.0	0.37	ug/L			09/06/23 16:37	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/06/23 16:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/06/23 16:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/06/23 16:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/06/23 16:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/06/23 16:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/06/23 16:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/06/23 16:37	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/06/23 16:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/06/23 16:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/06/23 16:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/06/23 16:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/06/23 16:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/06/23 16:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/06/23 16:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/06/23 16:37	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/06/23 16:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/06/23 16:37	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/06/23 16:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/06/23 16:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/06/23 16:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:37	1
Styrene	<0.39		1.0	0.39	ug/L			09/06/23 16:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/06/23 16:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/06/23 16:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/06/23 16:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/06/23 16:37	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Client Sample ID: 817 Hillside Trl Raw
Date Collected: 08/28/23 10:15
Date Received: 08/29/23 10:10

Lab Sample ID: 500-238773-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/06/23 16:37	1
Toluene	**0.20**	**J**	0.50	0.15	ug/L			09/06/23 16:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/06/23 16:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/06/23 16:37	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/06/23 16:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/06/23 16:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/06/23 16:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/06/23 16:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/06/23 16:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/06/23 16:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/06/23 16:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/06/23 16:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/06/23 16:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/06/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*09/06/23 16:37*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*09/06/23 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*09/06/23 16:37*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*09/06/23 16:37*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-238773-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

John & Kathryn Whitegon
763 Packer Drive
Hudson, WI 54016

Dear John & Kathryn,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	5/30/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 763 Packer Dr Raw

Date Collected: 05/30/23 09:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-2

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 15:35	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 15:35	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 15:35	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 15:35	1
Carbon disulfide	**47**		2.0	0.45	ug/L			06/09/23 15:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 15:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 15:35	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 15:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 15:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 15:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 15:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 15:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 15:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 15:35	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 15:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 15:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 15:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 15:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 15:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 15:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 15:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 15:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:35	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 15:35	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 15:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 15:35	1
Methylene Chloride	**3.9**	**J B**	5.0	1.6	ug/L			06/09/23 15:35	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 15:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 15:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 15:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 15:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:35	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 15:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 15:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 15:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 15:35	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 763 Packer Dr Raw
Date Collected: 05/30/23 09:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 15:35	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			06/09/23 15:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 15:35	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 15:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 15:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 15:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 15:35	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 15:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 15:35	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 15:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 15:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/23 15:35*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/09/23 15:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 15:35*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 15:35*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION

604 Wilson Avenue
Menomonie, WI 54751

Community Infrastructure • Architecture • Environmental Services

715-235-9081
www.cedarcorp.com

September 20, 2023

Craig & Michelle Berquist
941 Florence Lane
Hudson, WI 54016

Dear Craig & Michelle,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.3 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
2/28/23	5/30/23	1,043,070	65,930	1.3	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 941 Florence Ln Raw

Date Collected: 05/30/23 09:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 15:59	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 15:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:59	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 15:59	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 15:59	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 15:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 15:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 15:59	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 15:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 15:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 15:59	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 15:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 15:59	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 15:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 15:59	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 15:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 15:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 15:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 15:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 15:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 15:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 15:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 15:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:59	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 15:59	1
Chloromethane	**0.73**	**J**	5.0	0.32	ug/L			06/09/23 15:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 15:59	1
Methylene Chloride	**4.0**	**J B**	5.0	1.6	ug/L			06/09/23 15:59	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 15:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 15:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 15:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 15:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:59	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 15:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:59	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 15:59	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 15:59	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 15:59	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 941 Florence Ln Raw
Date Collected: 05/30/23 09:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-3
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 15:59	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			06/09/23 15:59	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 15:59	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 15:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 15:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 15:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 15:59	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			06/09/23 15:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 15:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 15:59	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 15:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/23 15:59*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*06/09/23 15:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 15:59*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/09/23 15:59*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 941 Florence Ln DW

Date Collected: 05/30/23 09:35
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-4

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.7**	**J**	10	1.7	ug/L			06/09/23 16:23	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 16:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 16:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 16:23	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 16:23	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 16:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 16:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 16:23	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 16:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 16:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 16:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 16:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 16:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 16:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 16:23	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 16:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 16:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 16:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 16:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 16:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 16:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 16:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 16:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 16:23	1
Chloromethane	**0.43**	**J**	5.0	0.32	ug/L			06/09/23 16:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 16:23	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			06/09/23 16:23	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 16:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 16:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 16:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 16:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:23	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 16:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 16:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 16:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 16:23	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 941 Florence Ln DW
Date Collected: 05/30/23 09:35
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-4
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 16:23	1
Toluene	**0.37**	**J**	0.50	0.15	ug/L			06/09/23 16:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 16:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 16:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 16:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 16:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 16:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 16:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 16:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 16:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 16:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 16:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*06/09/23 16:23*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/09/23 16:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 16:23*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 16:23*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Brent & Lisa Zweifelhofer
876 Jane Circle
Hudson, WI 54016

Dear Brent & Lisa,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	5/30/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 876 Jane Cir. Raw
Date Collected: 05/30/23 09:45
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 16:48	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 16:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 16:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 16:48	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 16:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 16:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 16:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 16:48	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 16:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 16:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 16:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 16:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 16:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 16:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 16:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 16:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 16:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 16:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 16:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 16:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 16:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 16:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 16:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 16:48	1
Chloromethane	**0.66**	**J**	5.0	0.32	ug/L			06/09/23 16:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 16:48	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			06/09/23 16:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 16:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 16:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 16:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 16:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:48	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 16:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 16:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 16:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 16:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 16:48	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 876 Jane Cir. Raw
Date Collected: 05/30/23 09:45
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 16:48	1
Toluene	**0.21**	**J**	0.50	0.15	ug/L			06/09/23 16:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 16:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 16:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 16:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 16:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 16:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 16:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 16:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 16:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 16:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 16:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 16:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/23 16:48*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 16:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 16:48*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/09/23 16:48*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Mike Sletten
946 Sadie's Lane
Hudson, WI 54016

Dear Mike,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.9 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
4/14/23	5/30/23	1,016,870	81,870	1.9	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 946 Sadies Ln Raw

Date Collected: 05/30/23 10:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-6

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 17:12	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 17:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 17:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 17:12	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 17:12	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 17:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 17:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 17:12	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 17:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 17:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 17:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 17:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 17:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 17:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 17:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 17:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 17:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 17:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 17:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 17:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 17:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 17:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 17:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 17:12	1
Chloromethane	**0.42**	**J**	5.0	0.32	ug/L			06/09/23 17:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 17:12	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			06/09/23 17:12	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 17:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 17:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 17:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 17:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:12	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 17:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 17:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 17:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 17:12	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 946 Sadies Ln Raw
Date Collected: 05/30/23 10:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-6
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 17:12	1
Toluene	**0.20**	**J**	0.50	0.15	ug/L			06/09/23 17:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 17:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 17:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 17:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 17:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 17:12	1
Trichloroethene	**1.9**		0.50	0.16	ug/L			06/09/23 17:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 17:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 17:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 17:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 17:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/23 17:12*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/09/23 17:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 17:12*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 17:12*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Jeremy & Sherry Rasmussen
776 Holden Lane
Hudson, WI 54016

Dear Jeremy & Sherry,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.9 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
4/7/23	5/30/23	1,650,410	90,770	1.9	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 776 Holden Ln Raw

Date Collected: 05/30/23 10:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-7

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.8**	**J**	10	1.7	ug/L			06/09/23 17:36	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 17:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 17:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 17:36	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 17:36	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 17:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 17:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 17:36	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 17:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 17:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 17:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 17:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 17:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 17:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 17:36	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 17:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 17:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 17:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 17:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 17:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 17:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 17:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 17:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 17:36	1
Chloromethane	**0.40**	**J**	5.0	0.32	ug/L			06/09/23 17:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 17:36	1
Methylene Chloride	**3.3**	**J B**	5.0	1.6	ug/L			06/09/23 17:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 17:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 17:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 17:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 17:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:36	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 17:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 17:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 17:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 17:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 17:36	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 776 Holden Ln Raw
Date Collected: 05/30/23 10:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-7
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 17:36	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			06/09/23 17:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 17:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 17:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 17:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 17:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 17:36	1
Trichloroethene	**1.9**		0.50	0.16	ug/L			06/09/23 17:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 17:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 17:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 17:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 17:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 17:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*06/09/23 17:36*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 17:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 17:36*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 17:36*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 776 Holden Ln DW

Date Collected: 05/30/23 10:35
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-8

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.1**	**J**	10	1.7	ug/L			06/09/23 18:00	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 18:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 18:00	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 18:00	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 18:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 18:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 18:00	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 18:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 18:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 18:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 18:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 18:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 18:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 18:00	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 18:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 18:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 18:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 18:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 18:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 18:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 18:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 18:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:00	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 18:00	1
Chloromethane	**0.39**	**J**	5.0	0.32	ug/L			06/09/23 18:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 18:00	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			06/09/23 18:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 18:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 18:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 18:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 18:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:00	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 18:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 18:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 18:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 18:00	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 776 Holden Ln DW
Date Collected: 05/30/23 10:35
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-8
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 18:00	1
Toluene	**0.20**	**J**	0.50	0.15	ug/L			06/09/23 18:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 18:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 18:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 18:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 18:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 18:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 18:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 18:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 18:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 18:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*06/09/23 18:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*06/09/23 18:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 18:00*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 18:00*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

David & Jill Berger
735 Packer Drive
Hudson, WI 54016

Dear David & Jill,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	5/30/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 735 Packer Dr Raw

Date Collected: 05/30/23 13:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-9

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 18:24	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 18:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 18:24	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 18:24	1
Carbon disulfide	**6.7**		2.0	0.45	ug/L			06/09/23 18:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 18:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 18:24	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 18:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 18:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 18:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 18:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 18:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 18:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 18:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 18:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 18:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 18:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 18:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 18:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 18:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 18:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 18:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:24	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 18:24	1
Chloromethane	**0.37**	**J**	5.0	0.32	ug/L			06/09/23 18:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 18:24	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			06/09/23 18:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 18:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 18:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 18:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 18:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:24	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 18:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 18:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 18:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 18:24	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 735 Packer Dr Raw
Date Collected: 05/30/23 13:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-9
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 18:24	1
Toluene	**0.26**	**J**	0.50	0.15	ug/L			06/09/23 18:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 18:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 18:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 18:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 18:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 18:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 18:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 18:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 18:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 18:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*06/09/23 18:24*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 18:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 18:24*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 18:24*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Patrick & Susan Longen
741 Packer Drive
Hudson, WI 54016

Dear Patrick & Susan,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	5/30/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 741 Packer Dr Raw

Date Collected: 05/30/23 13:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-10

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 18:48	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 18:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 18:48	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 18:48	1
Carbon disulfide	**14**		2.0	0.45	ug/L			06/09/23 18:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 18:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 18:48	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 18:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 18:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 18:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 18:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 18:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 18:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 18:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 18:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 18:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 18:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 18:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 18:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 18:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 18:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 18:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 18:48	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 18:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 18:48	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			06/09/23 18:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 18:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 18:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 18:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 18:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:48	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 18:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 18:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 18:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 18:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 18:48	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 741 Packer Dr Raw
Date Collected: 05/30/23 13:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-10
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 18:48	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/23 18:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 18:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 18:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 18:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 18:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 18:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 18:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 18:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 18:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 18:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 18:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 18:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*06/09/23 18:48*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 18:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 18:48*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 18:48*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Jamie Zimmer
982 Drover Trail
Hudson, WI 54016

Dear Jamie,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
4/3/23	5/30/23	1,180,530	77,430	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 982 Drover Trl Raw

Date Collected: 05/30/23 13:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-11

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 19:12	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 19:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 19:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 19:12	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 19:12	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 19:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 19:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 19:12	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 19:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 19:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 19:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 19:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 19:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 19:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 19:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 19:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 19:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 19:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 19:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 19:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 19:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 19:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 19:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 19:12	1
Chloromethane	**0.38**	**J**	5.0	0.32	ug/L			06/09/23 19:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 19:12	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			06/09/23 19:12	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 19:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 19:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 19:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 19:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:12	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 19:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 19:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 19:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 19:12	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 982 Drover Trl Raw
Date Collected: 05/30/23 13:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-11
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 19:12	1
Toluene	**0.41**	**J**	0.50	0.15	ug/L			06/09/23 19:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 19:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 19:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 19:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 19:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 19:12	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 19:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 19:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 19:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 19:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 19:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/23 19:12*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 19:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*06/09/23 19:12*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 19:12*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Martin & Connie Pittman Rev Trust
767 Packer Drive
Hudson, WI 54016

Dear Martin & Connie,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	5/30/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 767 Packer Dr Raw
Date Collected: 05/30/23 09:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 15:11	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 15:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 15:11	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 15:11	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 15:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 15:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 15:11	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 15:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 15:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 15:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 15:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 15:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 15:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 15:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 15:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 15:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 15:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 15:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 15:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 15:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 15:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 15:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 15:11	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 15:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 15:11	1
Methylene Chloride	**4.0**	**J B**	5.0	1.6	ug/L			06/09/23 15:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 15:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 15:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 15:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 15:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:11	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 15:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 15:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 15:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 15:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 15:11	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 767 Packer Dr Raw
Date Collected: 05/30/23 09:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 15:11	1
Toluene	**0.16**	**J**	0.50	0.15	ug/L			06/09/23 15:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 15:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 15:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 15:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 15:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 15:11	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 15:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 15:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 15:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 15:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 15:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 15:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*06/09/23 15:11*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*06/09/23 15:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 15:11*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 15:11*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Rob & Ellen Farrell
989 Burch Circle
Hudson, WI 54016

Dear Rob & Ellen,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.3 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
4/3/23	5/30/23	1,890,170	67,620	1.3	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 989 Burch Cir. Raw
Date Collected: 05/30/23 14:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-12
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 19:36	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 19:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 19:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 19:36	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 19:36	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 19:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 19:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 19:36	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 19:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 19:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 19:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 19:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 19:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 19:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 19:36	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 19:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 19:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 19:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 19:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 19:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 19:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 19:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 19:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 19:36	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 19:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 19:36	1
Methylene Chloride	**3.6**	**J B**	5.0	1.6	ug/L			06/09/23 19:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 19:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 19:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 19:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 19:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:36	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 19:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 19:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 19:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 19:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 19:36	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 989 Burch Cir. Raw
Date Collected: 05/30/23 14:00
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-12
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 19:36	1
Toluene	**0.21**	**J**	0.50	0.15	ug/L			06/09/23 19:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 19:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 19:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 19:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 19:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 19:36	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			06/09/23 19:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 19:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 19:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 19:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 19:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 19:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*06/09/23 19:36*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*06/09/23 19:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*06/09/23 19:36*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*06/09/23 19:36*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 989 Burch Cir. DW
Date Collected: 05/30/23 14:05
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-13
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 20:00	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 20:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 20:00	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 20:00	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 20:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 20:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 20:00	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 20:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 20:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 20:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 20:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 20:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 20:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 20:00	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 20:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 20:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 20:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 20:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 20:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 20:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 20:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 20:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:00	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 20:00	1
Chloromethane	**0.68**	**J**	5.0	0.32	ug/L			06/09/23 20:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 20:00	1
Methylene Chloride	**3.3**	**J B**	5.0	1.6	ug/L			06/09/23 20:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 20:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 20:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 20:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 20:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:00	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 20:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 20:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 20:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 20:00	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 989 Burch Cir. DW
Date Collected: 05/30/23 14:05
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-13
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 20:00	1
Toluene	<0.15		0.50	0.15	ug/L			06/09/23 20:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 20:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 20:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 20:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 20:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 20:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 20:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 20:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 20:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 20:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*06/09/23 20:00*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 20:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 20:00*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*06/09/23 20:00*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

John & Melanie Tevik
962 Labarge Road
Hudson, WI 54016

Dear John & Melanie,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.3 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
4/10/23	5/30/23	1,900,700	21,770	1.3	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 962 Labarge Rd Raw

Date Collected: 05/30/23 14:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.6**	**J**	10	1.7	ug/L			06/09/23 20:25	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 20:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 20:25	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 20:25	1
Carbon disulfide	**18**		2.0	0.45	ug/L			06/09/23 20:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 20:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 20:25	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 20:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 20:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 20:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 20:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 20:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 20:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 20:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 20:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 20:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 20:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 20:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 20:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 20:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 20:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 20:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:25	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 20:25	1
Chloromethane	**1.7**	**J**	5.0	0.32	ug/L			06/09/23 20:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 20:25	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			06/09/23 20:25	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 20:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 20:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 20:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 20:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:25	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 20:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:25	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 20:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 20:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 20:25	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 962 Labarge Rd Raw

Date Collected: 05/30/23 14:15
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 20:25	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			06/09/23 20:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 20:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 20:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 20:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 20:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 20:25	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			06/09/23 20:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 20:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 20:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 20:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*06/09/23 20:25*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/09/23 20:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 20:25*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 20:25*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 962 Labarge Rd DW

Date Collected: 05/30/23 14:20
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-15

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 20:48	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 20:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 20:48	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 20:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/09/23 20:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 20:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 20:48	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 20:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 20:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 20:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 20:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 20:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 20:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 20:48	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 20:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 20:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 20:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 20:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 20:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 20:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 20:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 20:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 20:48	1
Chloromethane	**0.66**	**J**	5.0	0.32	ug/L			06/09/23 20:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 20:48	1
Methylene Chloride	**3.4**	**J B**	5.0	1.6	ug/L			06/09/23 20:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 20:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 20:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 20:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 20:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:48	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 20:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 20:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 20:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 20:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 20:48	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 962 Labarge Rd DW
Date Collected: 05/30/23 14:20
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-15
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 20:48	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			06/09/23 20:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 20:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 20:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 20:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 20:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 20:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 20:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 20:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 20:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 20:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 20:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 20:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/09/23 20:48*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 20:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*06/09/23 20:48*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 20:48*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
604 Wilson Avenue
Menomonie, WI 54751
Community Infrastructure • Architecture • Environmental Services
715-235-9081
www.cedarcorp.com

September 20, 2023

Dan & Jodi Brunzel
717 Packer Drive
Hudson, WI 54016

Dear Dan & Jodi,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	5/30/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 717 Packer Dr Raw

Date Collected: 05/30/23 14:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-16

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			06/09/23 21:13	1
Benzene	<0.15		0.50	0.15	ug/L			06/09/23 21:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/09/23 21:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/09/23 21:13	1
Bromoform	<0.48		1.0	0.48	ug/L			06/09/23 21:13	1
Carbon disulfide	**9.4**		2.0	0.45	ug/L			06/09/23 21:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/09/23 21:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/09/23 21:13	1
Chloroform	<0.37		2.0	0.37	ug/L			06/09/23 21:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/09/23 21:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/09/23 21:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/09/23 21:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/09/23 21:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/09/23 21:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/09/23 21:13	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/09/23 21:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/09/23 21:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/09/23 21:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/09/23 21:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/09/23 21:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/09/23 21:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/09/23 21:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/09/23 21:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/09/23 21:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/09/23 21:13	1
Chloromethane	<0.32		5.0	0.32	ug/L			06/09/23 21:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/09/23 21:13	1
Methylene Chloride	**3.5**	**J B**	5.0	1.6	ug/L			06/09/23 21:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			06/09/23 21:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/09/23 21:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/09/23 21:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/09/23 21:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 21:13	1
Styrene	<0.39		1.0	0.39	ug/L			06/09/23 21:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/09/23 21:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/09/23 21:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/09/23 21:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/09/23 21:13	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Client Sample ID: 717 Packer Dr Raw
Date Collected: 05/30/23 14:30
Date Received: 05/31/23 10:05

Lab Sample ID: 500-234522-16
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			06/09/23 21:13	1
Toluene	**0.19**	**J**	0.50	0.15	ug/L			06/09/23 21:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/09/23 21:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/09/23 21:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/09/23 21:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/09/23 21:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/09/23 21:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/09/23 21:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/09/23 21:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/09/23 21:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/09/23 21:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/09/23 21:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/09/23 21:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/09/23 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*06/09/23 21:13*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/09/23 21:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/23 21:13*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/09/23 21:13*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-234522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Carroll Sengbusch
954 Fraser Lane
Hudson, WI 54016

Dear Carroll,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.2 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/21/23	9/5/23	394,000	56,940	1.2	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 954 Fraser Ln Raw

Date Collected: 09/05/23 09:45
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 17:24	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 17:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 17:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 17:24	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 17:24	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 17:24	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 17:24	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 17:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 17:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 17:24	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 17:24	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 17:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 17:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 17:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 17:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 17:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 17:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 17:24	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 17:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 17:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 17:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 17:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 17:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 17:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 17:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 17:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 17:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 17:24	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 17:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 17:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 17:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:24	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 17:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 17:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 17:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 17:24	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 954 Fraser Ln Raw

Date Collected: 09/05/23 09:45
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 17:24	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 17:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 17:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 17:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 17:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 17:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 17:24	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			09/14/23 17:24	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 17:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 17:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 17:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 17:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 17:24*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*09/14/23 17:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*09/14/23 17:24*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*09/14/23 17:24*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Joel Sengbusch
963 Florence Lane
Hudson, WI 54016

Dear Joel,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.5 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/25/23	9/5/23	1,738,060	75,880	1.5	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 963 Florence Ln Raw

Date Collected: 09/05/23 09:30
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 16:57	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 16:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 16:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 16:57	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 16:57	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 16:57	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 16:57	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 16:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 16:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 16:57	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 16:57	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 16:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 16:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 16:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 16:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 16:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 16:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 16:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 16:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 16:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 16:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 16:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 16:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 16:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 16:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 16:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 16:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 16:57	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 16:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 16:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 16:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:57	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 16:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 16:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 16:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 16:57	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 963 Florence Ln Raw

Date Collected: 09/05/23 09:30
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 16:57	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 16:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 16:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 16:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 16:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 16:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 16:57	1
Trichloroethene	**1.5**		0.50	0.16	ug/L			09/14/23 16:57	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 16:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 16:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 16:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 16:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 16:57*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*09/14/23 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*09/14/23 16:57*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*09/14/23 16:57*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Mitchell & Carrie Stump
807 Hillside Trail
Hudson, WI 54016

Dear Mitchell & Carrie,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.3 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
5/24/23	9/5/23	988,800	121,140	1.3	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 807 Hillside Trl Raw
Date Collected: 09/05/23 09:15
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 16:04	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 16:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 16:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 16:04	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 16:04	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 16:04	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 16:04	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 16:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 16:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 16:04	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 16:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 16:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 16:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 16:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 16:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 16:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 16:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 16:04	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 16:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 16:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 16:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 16:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 16:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 16:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 16:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 16:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 16:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 16:04	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 16:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 16:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 16:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:04	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 16:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 16:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 16:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 16:04	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 807 Hillside Trl Raw
Date Collected: 09/05/23 09:15
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 16:04	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 16:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 16:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 16:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 16:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 16:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 16:04	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			09/14/23 16:04	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 16:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 16:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 16:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 16:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*09/14/23 16:04*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*09/14/23 16:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*09/14/23 16:04*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*09/14/23 16:04*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 807 Hillside Trl DW

Date Collected: 09/05/23 09:20
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 16:31	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 16:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 16:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 16:31	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 16:31	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 16:31	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 16:31	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 16:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 16:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 16:31	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 16:31	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 16:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 16:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 16:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 16:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 16:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 16:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 16:31	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 16:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 16:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 16:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 16:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 16:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 16:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 16:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 16:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 16:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 16:31	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 16:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 16:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 16:31	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:31	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 16:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 16:31	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 16:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 16:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 16:31	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 807 Hillside Trl DW
Date Collected: 09/05/23 09:20
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 16:31	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 16:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 16:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 16:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 16:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 16:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 16:31	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/14/23 16:31	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 16:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 16:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 16:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 16:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 16:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 16:31*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*09/14/23 16:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*09/14/23 16:31*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*09/14/23 16:31*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Scott & Candy Freer
790 Holden Lane
Hudson, WI 54016

Dear Scott & Candy,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.9 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/25/23	9/5/23	2,337,200	81,290	0.9	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 790 Holden Ln Raw

Date Collected: 09/05/23 09:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 15:38	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 15:38	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 15:38	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 15:38	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 15:38	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 15:38	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 15:38	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 15:38	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 15:38	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 15:38	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 15:38	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 15:38	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 15:38	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 15:38	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 15:38	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 15:38	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 15:38	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 15:38	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 15:38	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 15:38	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:38	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 15:38	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 15:38	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 15:38	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 15:38	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 15:38	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 15:38	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 15:38	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 15:38	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 15:38	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 15:38	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 15:38	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:38	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 15:38	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:38	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 15:38	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 15:38	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 15:38	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 790 Holden Ln Raw
Date Collected: 09/05/23 09:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 15:38	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 15:38	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 15:38	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 15:38	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 15:38	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 15:38	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 15:38	1
Trichloroethene	**0.90**		0.50	0.16	ug/L			09/14/23 15:38	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 15:38	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 15:38	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:38	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 15:38	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 15:38	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*09/14/23 15:38*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*09/14/23 15:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*09/14/23 15:38*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*09/14/23 15:38*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
604 Wilson Avenue
Menomonie, WI 54751
Community Infrastructure • Architecture • Environmental Services
715-235-9081
www.cedarcorp.com

September 20, 2023

Robert Stanway
929 Labarge Road
Hudson, WI 54016

Dear Robert,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/26/23	9/5/23	1,217,050	32,110	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 929 Labarge Rd Raw
Date Collected: 09/05/23 08:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<17	^c	100	17	ug/L			09/14/23 14:45	10
Benzene	<1.5		5.0	1.5	ug/L			09/14/23 14:45	10
Bromobenzene	<3.6		10	3.6	ug/L			09/14/23 14:45	10
Bromochloromethane	<4.3		10	4.3	ug/L			09/14/23 14:45	10
Bromodichloromethane	<3.7		10	3.7	ug/L			09/14/23 14:45	10
Bromoform	<4.8		10	4.8	ug/L			09/14/23 14:45	10
Bromomethane	<8.0	^c	30	8.0	ug/L			09/14/23 14:45	10
2-Butanone (MEK)	<21	^c	50	21	ug/L			09/14/23 14:45	10
Carbon disulfide	<4.5		20	4.5	ug/L			09/14/23 14:45	10
Carbon tetrachloride	<3.8		10	3.8	ug/L			09/14/23 14:45	10
Chlorobenzene	<3.9		10	3.9	ug/L			09/14/23 14:45	10
Chloroethane	<5.1		10	5.1	ug/L			09/14/23 14:45	10
Chloroform	<3.7		20	3.7	ug/L			09/14/23 14:45	10
Chloromethane	**6.0**	**J**	50	3.2	ug/L			09/14/23 14:45	10
2-Chlorotoluene	<3.1		10	3.1	ug/L			09/14/23 14:45	10
4-Chlorotoluene	<3.5		10	3.5	ug/L			09/14/23 14:45	10
cis-1,2-Dichloroethene	<4.1		10	4.1	ug/L			09/14/23 14:45	10
cis-1,3-Dichloropropene	<4.2		10	4.2	ug/L			09/14/23 14:45	10
Dibromochloromethane	<4.9		10	4.9	ug/L			09/14/23 14:45	10
1,2-Dibromo-3-Chloropropane	<20		50	20	ug/L			09/14/23 14:45	10
1,2-Dibromoethane (EDB)	<3.9		10	3.9	ug/L			09/14/23 14:45	10
Dibromomethane	<2.7		10	2.7	ug/L			09/14/23 14:45	10
1,2-Dichlorobenzene	<3.3		10	3.3	ug/L			09/14/23 14:45	10
1,3-Dichlorobenzene	<4.0		10	4.0	ug/L			09/14/23 14:45	10
1,4-Dichlorobenzene	<3.6		10	3.6	ug/L			09/14/23 14:45	10
Dichlorodifluoromethane	<6.7	^c	30	6.7	ug/L			09/14/23 14:45	10
1,1-Dichloroethane	<4.1		10	4.1	ug/L			09/14/23 14:45	10
1,2-Dichloroethane	<3.9		10	3.9	ug/L			09/14/23 14:45	10
1,1-Dichloroethene	<3.9		10	3.9	ug/L			09/14/23 14:45	10
1,2-Dichloropropane	<4.3		10	4.3	ug/L			09/14/23 14:45	10
1,3-Dichloropropane	<3.6		10	3.6	ug/L			09/14/23 14:45	10
2,2-Dichloropropane	<4.4		50	4.4	ug/L			09/14/23 14:45	10
1,1-Dichloropropene	<3.0		10	3.0	ug/L			09/14/23 14:45	10
Ethylbenzene	<1.8		5.0	1.8	ug/L			09/14/23 14:45	10
Hexachlorobutadiene	<4.5		10	4.5	ug/L			09/14/23 14:45	10
Isopropylbenzene	<3.9		10	3.9	ug/L			09/14/23 14:45	10
Isopropyl ether	<2.8		10	2.8	ug/L			09/14/23 14:45	10
4-Isopropyltoluene	<3.6		10	3.6	ug/L			09/14/23 14:45	10
Methylene Chloride	<16		50	16	ug/L			09/14/23 14:45	10
Methyl tert-butyl ether	<3.9		10	3.9	ug/L			09/14/23 14:45	10
Naphthalene	<3.4	^c	10	3.4	ug/L			09/14/23 14:45	10
n-Butylbenzene	<3.9		10	3.9	ug/L			09/14/23 14:45	10
N-Propylbenzene	<4.1		10	4.1	ug/L			09/14/23 14:45	10
sec-Butylbenzene	<4.0		10	4.0	ug/L			09/14/23 14:45	10
Styrene	<3.9		10	3.9	ug/L			09/14/23 14:45	10
tert-Butylbenzene	<4.0		10	4.0	ug/L			09/14/23 14:45	10
1,1,1,2-Tetrachloroethane	<4.6		10	4.6	ug/L			09/14/23 14:45	10
1,1,2,2-Tetrachloroethane	<4.0		10	4.0	ug/L			09/14/23 14:45	10
Tetrachloroethene	<3.7		10	3.7	ug/L			09/14/23 14:45	10

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 929 Labarge Rd Raw

Date Collected: 09/05/23 08:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<19	^c	100	19	ug/L			09/14/23 14:45	10
Toluene	<1.5		5.0	1.5	ug/L			09/14/23 14:45	10
trans-1,2-Dichloroethene	<3.5		10	3.5	ug/L			09/14/23 14:45	10
trans-1,3-Dichloropropene	<3.6		10	3.6	ug/L			09/14/23 14:45	10
1,2,3-Trichlorobenzene	<4.6		10	4.6	ug/L			09/14/23 14:45	10
1,2,4-Trichlorobenzene	<3.4		10	3.4	ug/L			09/14/23 14:45	10
1,1,1-Trichloroethane	<3.8		10	3.8	ug/L			09/14/23 14:45	10
1,1,2-Trichloroethane	<3.5		10	3.5	ug/L			09/14/23 14:45	10
Trichloroethene	<1.6		5.0	1.6	ug/L			09/14/23 14:45	10
Trichlorofluoromethane	<4.3	^c	10	4.3	ug/L			09/14/23 14:45	10
1,2,3-Trichloropropane	<4.1		20	4.1	ug/L			09/14/23 14:45	10
1,2,4-Trimethylbenzene	<3.6		10	3.6	ug/L			09/14/23 14:45	10
1,3,5-Trimethylbenzene	<2.5		10	2.5	ug/L			09/14/23 14:45	10
Vinyl chloride	<2.0		10	2.0	ug/L			09/14/23 14:45	10
Xylenes, Total	<2.2		10	2.2	ug/L			09/14/23 14:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 14:45*	*10*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*09/14/23 14:45*	*10*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*09/14/23 14:45*	*10*
Toluene-d8 (Surr)	*103*		*75 - 120*		*09/14/23 14:45*	*10*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 929 Labarge Rd DW

Date Collected: 09/05/23 08:05
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 15:11	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 15:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 15:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 15:11	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 15:11	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 15:11	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 15:11	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 15:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 15:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 15:11	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 15:11	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 15:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 15:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 15:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 15:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 15:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 15:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 15:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 15:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 15:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 15:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 15:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 15:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 15:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 15:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 15:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 15:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 15:11	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 15:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 15:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 15:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:11	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 15:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 15:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 15:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 15:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 15:11	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 929 Labarge Rd DW
Date Collected: 09/05/23 08:05
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 15:11	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 15:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 15:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 15:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 15:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 15:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 15:11	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/14/23 15:11	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 15:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 15:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 15:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 15:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 15:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*09/14/23 15:11*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*09/14/23 15:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*09/14/23 15:11*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*09/14/23 15:11*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CEDAR CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Ludvig Blagen
692 McCutcheon Road
Hudson, WI 54016

Dear Ludvig,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.41 J ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is below both the Preventive Action Limit (0.5 ppb) and the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/3/23	9/5/23	1,053,060	33,270	0.41 J	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 692 McCutcheon Rd Raw

Date Collected: 09/05/23 10:15
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.2	J	10	1.7	ug/L			09/15/23 16:43	1
Benzene	<0.15		0.50	0.15	ug/L			09/15/23 16:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/15/23 16:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/15/23 16:43	1
Bromoform	<0.48		1.0	0.48	ug/L			09/15/23 16:43	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/15/23 16:43	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/15/23 16:43	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/15/23 16:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/15/23 16:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/15/23 16:43	1
Chloroform	<0.37		2.0	0.37	ug/L			09/15/23 16:43	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/15/23 16:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/15/23 16:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/15/23 16:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/15/23 16:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/15/23 16:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/15/23 16:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/15/23 16:43	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/15/23 16:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/15/23 16:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/15/23 16:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/15/23 16:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/15/23 16:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/15/23 16:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/15/23 16:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/15/23 16:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/15/23 16:43	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/15/23 16:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/15/23 16:43	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/15/23 16:43	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			09/15/23 16:43	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/15/23 16:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/15/23 16:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 16:43	1
Styrene	<0.39		1.0	0.39	ug/L			09/15/23 16:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 16:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/15/23 16:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/15/23 16:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/15/23 16:43	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 692 McCutcheon Rd Raw
Date Collected: 09/05/23 10:15
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/15/23 16:43	1
Toluene	**0.25**	**J**	0.50	0.15	ug/L			09/15/23 16:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/15/23 16:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/15/23 16:43	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/15/23 16:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/15/23 16:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/15/23 16:43	1
Trichloroethene	**0.41**	**J**	0.50	0.16	ug/L			09/15/23 16:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/15/23 16:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/15/23 16:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/15/23 16:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/15/23 16:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/15/23 16:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/15/23 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*09/15/23 16:43*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*09/15/23 16:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*09/15/23 16:43*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*09/15/23 16:43*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Jim & Judy Reams
941 Pup Circle
Hudson, WI 54016

Dear Jim & Judy,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.3 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
6/26/23	9/5/23	553,600	12,620	1.3	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 941 Pup Cir. Raw

Date Collected: 09/05/23 10:30
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.6**	**J**	10	1.7	ug/L			09/15/23 17:07	1
Benzene	<0.15		0.50	0.15	ug/L			09/15/23 17:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/15/23 17:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/15/23 17:07	1
Bromoform	<0.48		1.0	0.48	ug/L			09/15/23 17:07	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/15/23 17:07	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/15/23 17:07	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/15/23 17:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/15/23 17:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/15/23 17:07	1
Chloroform	<0.37		2.0	0.37	ug/L			09/15/23 17:07	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/15/23 17:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/15/23 17:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/15/23 17:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/15/23 17:07	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/15/23 17:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/15/23 17:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/15/23 17:07	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/15/23 17:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/15/23 17:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/15/23 17:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/15/23 17:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/15/23 17:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/15/23 17:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/15/23 17:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/15/23 17:07	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/15/23 17:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/15/23 17:07	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/15/23 17:07	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			09/15/23 17:07	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/15/23 17:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/15/23 17:07	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:07	1
Styrene	<0.39		1.0	0.39	ug/L			09/15/23 17:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:07	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/15/23 17:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/15/23 17:07	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/15/23 17:07	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 941 Pup Cir. Raw

Date Collected: 09/05/23 10:30
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/15/23 17:07	1
Toluene	**0.21**	**J**	0.50	0.15	ug/L			09/15/23 17:07	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/15/23 17:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/15/23 17:07	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/15/23 17:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/15/23 17:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/15/23 17:07	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			09/15/23 17:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/15/23 17:07	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/15/23 17:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/15/23 17:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/15/23 17:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/15/23 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*09/15/23 17:07*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*09/15/23 17:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*09/15/23 17:07*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*09/15/23 17:07*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 941 Pup Cir. DW

Date Collected: 09/05/23 10:35
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-11

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/18/23 17:04	1
Benzene	**0.78**		0.50	0.15	ug/L			09/18/23 17:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/18/23 17:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/18/23 17:04	1
Bromoform	<0.48		1.0	0.48	ug/L			09/18/23 17:04	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/18/23 17:04	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/18/23 17:04	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/18/23 17:04	1
Carbon tetrachloride	<0.38	^c	1.0	0.38	ug/L			09/18/23 17:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
Chloroethane	<0.51	^c	1.0	0.51	ug/L			09/18/23 17:04	1
Chloroform	<0.37		2.0	0.37	ug/L			09/18/23 17:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/18/23 17:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/18/23 17:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/18/23 17:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/18/23 17:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/18/23 17:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/18/23 17:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/18/23 17:04	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/18/23 17:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/18/23 17:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
Dichlorodifluoromethane	<0.67	^c *	3.0	0.67	ug/L			09/18/23 17:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/18/23 17:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
1,1-Dichloroethene	<0.39	^c	1.0	0.39	ug/L			09/18/23 17:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/18/23 17:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/18/23 17:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/18/23 17:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/18/23 17:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/18/23 17:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/18/23 17:04	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/18/23 17:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/18/23 17:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/18/23 17:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:04	1
Styrene	<0.39		1.0	0.39	ug/L			09/18/23 17:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/18/23 17:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/18/23 17:04	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			09/18/23 17:04	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 941 Pup Cir. DW
Date Collected: 09/05/23 10:35
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-11
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/18/23 17:04	1
Toluene	<0.15		0.50	0.15	ug/L			09/18/23 17:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/18/23 17:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/18/23 17:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/18/23 17:04	1
1,1,1-Trichloroethane	<0.38	^c	1.0	0.38	ug/L			09/18/23 17:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/18/23 17:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/18/23 17:04	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			09/18/23 17:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/18/23 17:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/18/23 17:04	1
Vinyl chloride	<0.20	^c *	1.0	0.20	ug/L			09/18/23 17:04	1
Xylenes, Total	**0.50**	**J**	1.0	0.22	ug/L			09/18/23 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*09/18/23 17:04*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*09/18/23 17:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*09/18/23 17:04*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/18/23 17:04*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Timothy & Vicki Hieb
693 Pine Timber Lane
Hudson, WI 54016

Dear Timothy & Vicki,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.2 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/27/23	9/5/23	1,108,150	31,830	1.2	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 693 Pine Timber Ln Raw

Lab Sample ID: 500-239119-12

Date Collected: 09/05/23 12:00
Date Received: 09/06/23 10:05

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.4**	**J**	10	1.7	ug/L			09/15/23 17:55	1
Benzene	<0.15		0.50	0.15	ug/L			09/15/23 17:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/15/23 17:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/15/23 17:55	1
Bromoform	<0.48		1.0	0.48	ug/L			09/15/23 17:55	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/15/23 17:55	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/15/23 17:55	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/15/23 17:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/15/23 17:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/15/23 17:55	1
Chloroform	<0.37		2.0	0.37	ug/L			09/15/23 17:55	1
Chloromethane	**0.39**	**J**	5.0	0.32	ug/L			09/15/23 17:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/15/23 17:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/15/23 17:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/15/23 17:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/15/23 17:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/15/23 17:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/15/23 17:55	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/15/23 17:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/15/23 17:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/15/23 17:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/15/23 17:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/15/23 17:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/15/23 17:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/15/23 17:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/15/23 17:55	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			09/15/23 17:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/15/23 17:55	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/15/23 17:55	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			09/15/23 17:55	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/15/23 17:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/15/23 17:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:55	1
Styrene	<0.39		1.0	0.39	ug/L			09/15/23 17:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/15/23 17:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/15/23 17:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/15/23 17:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/15/23 17:55	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 693 Pine Timber Ln Raw

Lab Sample ID: 500-239119-12

Date Collected: 09/05/23 12:00

Matrix: Water

Date Received: 09/06/23 10:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/15/23 17:55	1
Toluene	**0.23**	**J**	0.50	0.15	ug/L			09/15/23 17:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/15/23 17:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
1,2,3-Trichlorobenzene	<0.46	^c	1.0	0.46	ug/L			09/15/23 17:55	1
1,2,4-Trichlorobenzene	<0.34	^c	1.0	0.34	ug/L			09/15/23 17:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/15/23 17:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/15/23 17:55	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			09/15/23 17:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/15/23 17:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/15/23 17:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/15/23 17:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/15/23 17:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/15/23 17:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/15/23 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*09/15/23 17:55*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*09/15/23 17:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*09/15/23 17:55*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*09/15/23 17:55*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 693 Pine Timber Ln DW

Date Collected: 09/05/23 12:05
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-13

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			09/18/23 17:30	1
Benzene	<0.15		0.50	0.15	ug/L			09/18/23 17:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/18/23 17:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/18/23 17:30	1
Bromoform	<0.48		1.0	0.48	ug/L			09/18/23 17:30	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/18/23 17:30	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/18/23 17:30	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/18/23 17:30	1
Carbon tetrachloride	<0.38	^c	1.0	0.38	ug/L			09/18/23 17:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
Chloroethane	<0.51	^c	1.0	0.51	ug/L			09/18/23 17:30	1
Chloroform	<0.37		2.0	0.37	ug/L			09/18/23 17:30	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/18/23 17:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/18/23 17:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/18/23 17:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/18/23 17:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/18/23 17:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/18/23 17:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/18/23 17:30	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/18/23 17:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/18/23 17:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
Dichlorodifluoromethane	<0.67	^c *	3.0	0.67	ug/L			09/18/23 17:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/18/23 17:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
1,1-Dichloroethene	<0.39	^c	1.0	0.39	ug/L			09/18/23 17:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/18/23 17:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/18/23 17:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/18/23 17:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/18/23 17:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/18/23 17:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/18/23 17:30	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/18/23 17:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			09/18/23 17:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/18/23 17:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:30	1
Styrene	<0.39		1.0	0.39	ug/L			09/18/23 17:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/18/23 17:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/18/23 17:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/18/23 17:30	1
Tetrachloroethene	<0.37	^c	1.0	0.37	ug/L			09/18/23 17:30	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 693 Pine Timber Ln DW
Date Collected: 09/05/23 12:05
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/18/23 17:30	1
Toluene	<0.15		0.50	0.15	ug/L			09/18/23 17:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/18/23 17:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/18/23 17:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/18/23 17:30	1
1,1,1-Trichloroethane	<0.38	^c	1.0	0.38	ug/L			09/18/23 17:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/18/23 17:30	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/18/23 17:30	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			09/18/23 17:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/18/23 17:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/18/23 17:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/18/23 17:30	1
Vinyl chloride	<0.20	^c *	1.0	0.20	ug/L			09/18/23 17:30	1
Xylenes, Total	**0.42**	**J**	1.0	0.22	ug/L			09/18/23 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*09/18/23 17:30*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*09/18/23 17:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*09/18/23 17:30*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/18/23 17:30*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CEDAR CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

September 20, 2023

Brad McGhee
844 Hillside Trail
Hudson, WI 54016

Dear Brad,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.94 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
3/3/23	9/5/23	1,679,540	128,240	0.94	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 844 Hillside Trl Raw

Date Collected: 09/05/23 10:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			09/14/23 17:51	1
Benzene	<0.15		0.50	0.15	ug/L			09/14/23 17:51	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/14/23 17:51	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/14/23 17:51	1
Bromoform	<0.48		1.0	0.48	ug/L			09/14/23 17:51	1
Bromomethane	<0.80	^c	3.0	0.80	ug/L			09/14/23 17:51	1
2-Butanone (MEK)	<2.1	^c	5.0	2.1	ug/L			09/14/23 17:51	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/14/23 17:51	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/14/23 17:51	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
Chloroethane	<0.51		1.0	0.51	ug/L			09/14/23 17:51	1
Chloroform	<0.37		2.0	0.37	ug/L			09/14/23 17:51	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/14/23 17:51	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/14/23 17:51	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/14/23 17:51	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/14/23 17:51	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/14/23 17:51	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/14/23 17:51	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			09/14/23 17:51	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/14/23 17:51	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/14/23 17:51	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:51	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			09/14/23 17:51	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/14/23 17:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/14/23 17:51	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/14/23 17:51	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/14/23 17:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/14/23 17:51	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/14/23 17:51	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/14/23 17:51	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/14/23 17:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/14/23 17:51	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/14/23 17:51	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:51	1
Styrene	<0.39		1.0	0.39	ug/L			09/14/23 17:51	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/14/23 17:51	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/14/23 17:51	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/14/23 17:51	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/14/23 17:51	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Client Sample ID: 844 Hillside Trl Raw
Date Collected: 09/05/23 10:00
Date Received: 09/06/23 10:05

Lab Sample ID: 500-239119-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			09/14/23 17:51	1
Toluene	<0.15		0.50	0.15	ug/L			09/14/23 17:51	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/14/23 17:51	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/14/23 17:51	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/14/23 17:51	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/14/23 17:51	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/14/23 17:51	1
Trichloroethene	**0.94**		0.50	0.16	ug/L			09/14/23 17:51	1
Trichlorofluoromethane	<0.43	^c	1.0	0.43	ug/L			09/14/23 17:51	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/14/23 17:51	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/14/23 17:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/14/23 17:51	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/14/23 17:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/14/23 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*09/14/23 17:51*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*09/14/23 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*09/14/23 17:51*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*09/14/23 17:51*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239119-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

Alissa Dutcher
927 Coyote Lane
Hudson, WI 54016

Dear Alissa,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.1 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
8/11/23	9/18/23	1,045,780	69,100	1.1	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 927 Coyote Ln Raw

Date Collected: 09/18/23 09:45
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.9**	**J**	10	1.7	ug/L			09/28/23 01:47	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 01:47	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 01:47	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 01:47	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 01:47	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 01:47	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 01:47	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 01:47	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 01:47	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 01:47	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 01:47	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 01:47	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 01:47	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 01:47	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 01:47	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 01:47	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 01:47	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 01:47	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 01:47	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 01:47	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:47	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 01:47	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 01:47	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 01:47	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 01:47	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 01:47	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 01:47	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 01:47	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 01:47	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 01:47	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 01:47	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 01:47	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:47	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 01:47	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:47	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 01:47	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 01:47	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 01:47	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 927 Coyote Ln Raw
Date Collected: 09/18/23 09:45
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 01:47	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 01:47	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 01:47	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 01:47	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 01:47	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 01:47	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 01:47	1
Trichloroethene	**1.1**		0.50	0.16	ug/L			09/28/23 01:47	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 01:47	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 01:47	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:47	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 01:47	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 01:47	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*09/28/23 01:47*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*09/28/23 01:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*09/28/23 01:47*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/28/23 01:47*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

Jerry Schmitt
932 Labarge Road
Hudson, WI 54016

Dear Jerry,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.2 ppb (micrograms per liter) in the unfiltered drinking water (Raw) from the house. This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
8/25/23	9/18/23	912,140	26,780	1.2	ND	ND	ND	ND	ND

The results also show there were no detected volatile organic compounds in the unfiltered water (Raw) from the barn. The filtered drinking water (DW) was not sampled this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
8/25/23	9/18/23	2,940,520	183,640	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 932 Labarge Rd Raw

Date Collected: 09/18/23 09:30
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.2**	**J**	10	1.7	ug/L			09/28/23 00:58	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 00:58	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:58	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 00:58	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 00:58	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 00:58	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 00:58	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 00:58	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 00:58	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 00:58	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 00:58	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 00:58	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 00:58	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 00:58	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 00:58	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 00:58	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 00:58	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 00:58	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 00:58	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 00:58	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:58	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 00:58	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 00:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 00:58	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 00:58	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 00:58	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 00:58	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 00:58	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 00:58	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 00:58	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 00:58	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 00:58	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:58	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 00:58	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:58	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 00:58	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 00:58	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 00:58	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 932 Labarge Rd Raw
Date Collected: 09/18/23 09:30
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 00:58	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 00:58	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 00:58	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 00:58	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 00:58	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 00:58	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 00:58	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			09/28/23 00:58	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:58	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 00:58	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:58	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 00:58	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 00:58	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*09/28/23 00:58*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*09/28/23 00:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*09/28/23 00:58*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/28/23 00:58*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 932 Labarge Rd Barn Raw
Date Collected: 09/18/23 09:35
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.6	J	10	1.7	ug/L			09/28/23 01:22	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 01:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 01:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 01:22	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 01:22	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 01:22	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 01:22	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 01:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 01:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 01:22	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 01:22	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 01:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 01:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 01:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 01:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 01:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 01:22	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 01:22	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 01:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 01:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 01:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 01:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 01:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 01:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 01:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 01:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 01:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 01:22	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 01:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 01:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 01:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:22	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 01:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 01:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 01:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 01:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 01:22	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 932 Labarge Rd Barn Raw
Date Collected: 09/18/23 09:35
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 01:22	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 01:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 01:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 01:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 01:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 01:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 01:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/28/23 01:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 01:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 01:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 01:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 01:22	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 01:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*09/28/23 01:22*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*09/28/23 01:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*09/28/23 01:22*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*09/28/23 01:22*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

John & Marlene Hintz
953 Labarge Road
Hudson, WI 54016

Dear John & Marlene,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.3 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
9/11/23	9/18/23	2,119,890	113,960	1.3	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 953 Labarge Rd Raw

Date Collected: 09/18/23 09:15
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.9**	**J**	10	1.7	ug/L			09/28/23 00:34	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 00:34	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 00:34	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 00:34	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 00:34	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 00:34	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 00:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 00:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 00:34	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 00:34	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 00:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 00:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 00:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 00:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 00:34	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 00:34	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 00:34	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 00:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 00:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 00:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 00:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 00:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 00:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 00:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 00:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 00:34	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 00:34	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 00:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 00:34	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 00:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:34	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 00:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:34	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 00:34	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 00:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 00:34	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 953 Labarge Rd Raw
Date Collected: 09/18/23 09:15
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 00:34	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 00:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 00:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 00:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 00:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 00:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 00:34	1
Trichloroethene	**1.3**		0.50	0.16	ug/L			09/28/23 00:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 00:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 00:34	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 00:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*09/28/23 00:34*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*09/28/23 00:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*09/28/23 00:34*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*09/28/23 00:34*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CEDAR CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

Dan & Rachel Dyer
962 Bakken Road
Hudson, WI 54016

Dear Dan & Rachel,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 0.65 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) was not sampled at this time.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
9/13/23	9/18/23	1,365,720	74,650	0.65	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WNDR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 962 Bakken Rd Raw

Date Collected: 09/18/23 09:00
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**9.4**	**J**	10	1.7	ug/L			09/28/23 00:10	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 00:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 00:10	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 00:10	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 00:10	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 00:10	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 00:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 00:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 00:10	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 00:10	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 00:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 00:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 00:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 00:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 00:10	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 00:10	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 00:10	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 00:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 00:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 00:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 00:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 00:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 00:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 00:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 00:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 00:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 00:10	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 00:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 00:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 00:10	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:10	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 00:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 00:10	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 00:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 00:10	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 00:10	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 962 Bakken Rd Raw
Date Collected: 09/18/23 09:00
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 00:10	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 00:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 00:10	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 00:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 00:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 00:10	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 00:10	1
Trichloroethene	**0.65**		0.50	0.16	ug/L			09/28/23 00:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 00:10	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 00:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 00:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 00:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 00:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*09/28/23 00:10*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*09/28/23 00:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*09/28/23 00:10*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*09/28/23 00:10*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

Issac & Amanda Oliver
890 Hillside Trail
Hudson, WI 54016

Dear Issac & Amanda,

Your groundwater results are reported as attached. The results show a detection of trichloroethylene at 1.9 ppb (micrograms per liter) in the unfiltered drinking water (Raw). This is above the Preventive Action Limit (0.5 ppb) but below the Enforcement Standard (5.0 ppb) established by the Wisconsin DNR. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
9/16/23	9/5/23	-	-	1.9	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 890 Hillside Trl Raw

Date Collected: 09/18/23 10:00
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.4**	**J**	10	1.7	ug/L			09/28/23 02:11	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 02:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 02:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 02:11	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 02:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 02:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 02:11	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 02:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 02:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 02:11	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 02:11	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 02:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 02:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 02:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 02:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 02:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 02:11	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 02:11	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 02:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 02:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 02:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 02:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 02:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 02:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 02:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 02:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 02:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 02:11	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 02:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 02:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 02:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:11	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 02:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 02:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 02:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 02:11	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 890 Hillside Trl Raw
Date Collected: 09/18/23 10:00
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 02:11	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 02:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 02:11	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 02:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 02:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 02:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 02:11	1
Trichloroethene	**1.9**		0.50	0.16	ug/L			09/28/23 02:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 02:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 02:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 02:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 02:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*09/28/23 02:11*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*09/28/23 02:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*09/28/23 02:11*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*09/28/23 02:11*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 890 Hillside Trl DW

Date Collected: 09/18/23 10:05
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.9**	**J**	10	1.7	ug/L			09/28/23 02:36	1
Benzene	<0.15		0.50	0.15	ug/L			09/28/23 02:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			09/28/23 02:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			09/28/23 02:36	1
Bromoform	<0.48		1.0	0.48	ug/L			09/28/23 02:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			09/28/23 02:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			09/28/23 02:36	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			09/28/23 02:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			09/28/23 02:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
Chloroethane	<0.51		5.0	0.51	ug/L			09/28/23 02:36	1
Chloroform	<0.37		2.0	0.37	ug/L			09/28/23 02:36	1
Chloromethane	<0.32		5.0	0.32	ug/L			09/28/23 02:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			09/28/23 02:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			09/28/23 02:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			09/28/23 02:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			09/28/23 02:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			09/28/23 02:36	1
1,2-Dibromo-3-Chloropropane	<2.0	^c	5.0	2.0	ug/L			09/28/23 02:36	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			09/28/23 02:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			09/28/23 02:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			09/28/23 02:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			09/28/23 02:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			09/28/23 02:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			09/28/23 02:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			09/28/23 02:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			09/28/23 02:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			09/28/23 02:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			09/28/23 02:36	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			09/28/23 02:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
Naphthalene	<0.34	^c	1.0	0.34	ug/L			09/28/23 02:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			09/28/23 02:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:36	1
Styrene	<0.39		1.0	0.39	ug/L			09/28/23 02:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			09/28/23 02:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			09/28/23 02:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			09/28/23 02:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			09/28/23 02:36	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Client Sample ID: 890 Hillside Trl DW
Date Collected: 09/18/23 10:05
Date Received: 09/19/23 09:20

Lab Sample ID: 500-239757-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9		10	1.9	ug/L			09/28/23 02:36	1
Toluene	<0.15		0.50	0.15	ug/L			09/28/23 02:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			09/28/23 02:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			09/28/23 02:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			09/28/23 02:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			09/28/23 02:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			09/28/23 02:36	1
Trichloroethene	<0.16		0.50	0.16	ug/L			09/28/23 02:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			09/28/23 02:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			09/28/23 02:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			09/28/23 02:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			09/28/23 02:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			09/28/23 02:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			09/28/23 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*09/28/23 02:36*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*09/28/23 02:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*09/28/23 02:36*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*09/28/23 02:36*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-239757-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
604 Wilson Avenue
Menomonie, WI 54751
Community Infrastructure • Architecture • Environmental Services
715-235-9081
www.cedarcorp.com

October 11, 2023

Kevin & Debbie Larson
874 Jane Circle
Hudson, WI 54016

Dear Kevin & Debbie,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
9/22/23	9/25/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 874 Jane Cir. Raw
Date Collected: 09/25/23 09:30
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			10/03/23 13:22	1
Benzene	<0.15		0.50	0.15	ug/L			10/03/23 13:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/03/23 13:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/03/23 13:22	1
Bromodichloromethane	<0.37	^c	1.0	0.37	ug/L			10/03/23 13:22	1
Bromoform	<0.48		1.0	0.48	ug/L			10/03/23 13:22	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/03/23 13:22	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/03/23 13:22	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			10/03/23 13:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/03/23 13:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/03/23 13:22	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/03/23 13:22	1
Chloroform	<0.37		2.0	0.37	ug/L			10/03/23 13:22	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/03/23 13:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/03/23 13:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/03/23 13:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/03/23 13:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/03/23 13:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/03/23 13:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/03/23 13:22	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/03/23 13:22	1
Dibromomethane	<0.27	^c	1.0	0.27	ug/L			10/03/23 13:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/03/23 13:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/03/23 13:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/03/23 13:22	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			10/03/23 13:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/03/23 13:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/03/23 13:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/03/23 13:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/03/23 13:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/03/23 13:22	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/03/23 13:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/03/23 13:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/03/23 13:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/03/23 13:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 13:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/03/23 13:22	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/03/23 13:22	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/03/23 13:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/03/23 13:22	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/03/23 13:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 13:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/03/23 13:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 13:22	1
Styrene	<0.39		1.0	0.39	ug/L			10/03/23 13:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 13:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/03/23 13:22	1
1,1,2,2-Tetrachloroethane	<0.40	^c	1.0	0.40	ug/L			10/03/23 13:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/03/23 13:22	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 874 Jane Cir. Raw
Date Collected: 09/25/23 09:30
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			10/03/23 13:22	1
Toluene	<0.15		0.50	0.15	ug/L			10/03/23 13:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/03/23 13:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/03/23 13:22	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/03/23 13:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/03/23 13:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/03/23 13:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/03/23 13:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/03/23 13:22	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			10/03/23 13:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/03/23 13:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/03/23 13:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/03/23 13:22	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/03/23 13:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/03/23 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/03/23 13:22*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*10/03/23 13:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*10/03/23 13:22*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*10/03/23 13:22*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

Mike & Kristen Kjar
974 Labarge Road
Hudson, WI 54016

Dear Mike & Kristen,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
4/5/23	9/25/23	142,480	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 974 Labarge Rd Raw

Date Collected: 09/25/23 09:15
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			10/03/23 12:57	1
Benzene	<0.15		0.50	0.15	ug/L			10/03/23 12:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/03/23 12:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/03/23 12:57	1
Bromodichloromethane	<0.37	^c	1.0	0.37	ug/L			10/03/23 12:57	1
Bromoform	<0.48		1.0	0.48	ug/L			10/03/23 12:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/03/23 12:57	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/03/23 12:57	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			10/03/23 12:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/03/23 12:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/03/23 12:57	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/03/23 12:57	1
Chloroform	<0.37		2.0	0.37	ug/L			10/03/23 12:57	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/03/23 12:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/03/23 12:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/03/23 12:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/03/23 12:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/03/23 12:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/03/23 12:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/03/23 12:57	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/03/23 12:57	1
Dibromomethane	<0.27	^c	1.0	0.27	ug/L			10/03/23 12:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/03/23 12:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/03/23 12:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/03/23 12:57	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			10/03/23 12:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/03/23 12:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/03/23 12:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/03/23 12:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/03/23 12:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/03/23 12:57	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/03/23 12:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/03/23 12:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/03/23 12:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/03/23 12:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 12:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/03/23 12:57	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/03/23 12:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/03/23 12:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/03/23 12:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/03/23 12:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 12:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/03/23 12:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 12:57	1
Styrene	<0.39		1.0	0.39	ug/L			10/03/23 12:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 12:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/03/23 12:57	1
1,1,2,2-Tetrachloroethane	<0.40	^c	1.0	0.40	ug/L			10/03/23 12:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/03/23 12:57	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 974 Labarge Rd Raw
Date Collected: 09/25/23 09:15
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			10/03/23 12:57	1
Toluene	<0.15		0.50	0.15	ug/L			10/03/23 12:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/03/23 12:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/03/23 12:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/03/23 12:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/03/23 12:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/03/23 12:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/03/23 12:57	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/03/23 12:57	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			10/03/23 12:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/03/23 12:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/03/23 12:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/03/23 12:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/03/23 12:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/03/23 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*10/03/23 12:57*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*10/03/23 12:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/03/23 12:57*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*10/03/23 12:57*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Cedar CORPORATION
Community Infrastructure • Architecture • Environmental Services
604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

Ed & Vanda Rankin
964 Sadie's Lane
Hudson, WI 54016

Dear Ed & Vanda,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/7/23	9/25/23	916,000	197,930	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 964 Sadies Ln Raw

Date Collected: 09/25/23 09:00
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			10/05/23 01:44	1
Benzene	<0.15		0.50	0.15	ug/L			10/05/23 01:44	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/05/23 01:44	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/05/23 01:44	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/05/23 01:44	1
Bromoform	<0.48		1.0	0.48	ug/L			10/05/23 01:44	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/05/23 01:44	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/05/23 01:44	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			10/05/23 01:44	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/05/23 01:44	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/05/23 01:44	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/05/23 01:44	1
Chloroform	<0.37		2.0	0.37	ug/L			10/05/23 01:44	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/05/23 01:44	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/05/23 01:44	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/05/23 01:44	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/05/23 01:44	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/05/23 01:44	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/05/23 01:44	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/05/23 01:44	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/05/23 01:44	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/05/23 01:44	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/05/23 01:44	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/05/23 01:44	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/05/23 01:44	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/05/23 01:44	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/05/23 01:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/05/23 01:44	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/05/23 01:44	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/05/23 01:44	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/05/23 01:44	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/05/23 01:44	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/05/23 01:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/05/23 01:44	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/05/23 01:44	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/05/23 01:44	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			10/05/23 01:44	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/05/23 01:44	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/05/23 01:44	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			10/05/23 01:44	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/05/23 01:44	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/05/23 01:44	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/05/23 01:44	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/05/23 01:44	1
Styrene	<0.39		1.0	0.39	ug/L			10/05/23 01:44	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/05/23 01:44	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/05/23 01:44	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/05/23 01:44	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/05/23 01:44	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 964 Sadies Ln Raw
Date Collected: 09/25/23 09:00
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			10/05/23 01:44	1
Toluene	<0.15		0.50	0.15	ug/L			10/05/23 01:44	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/05/23 01:44	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/05/23 01:44	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/05/23 01:44	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/05/23 01:44	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/05/23 01:44	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/05/23 01:44	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/05/23 01:44	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/05/23 01:44	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/05/23 01:44	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/05/23 01:44	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/05/23 01:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/05/23 01:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/05/23 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*10/05/23 01:44*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*10/05/23 01:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/05/23 01:44*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*10/05/23 01:44*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 964 Sadies Ln DW
Date Collected: 09/25/23 09:05
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7		10	1.7	ug/L			10/05/23 02:08	1
Benzene	<0.15		0.50	0.15	ug/L			10/05/23 02:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/05/23 02:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/05/23 02:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/05/23 02:08	1
Bromoform	<0.48		1.0	0.48	ug/L			10/05/23 02:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/05/23 02:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/05/23 02:08	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			10/05/23 02:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/05/23 02:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/05/23 02:08	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/05/23 02:08	1
Chloroform	<0.37		2.0	0.37	ug/L			10/05/23 02:08	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/05/23 02:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/05/23 02:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/05/23 02:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/05/23 02:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/05/23 02:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/05/23 02:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/05/23 02:08	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/05/23 02:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/05/23 02:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/05/23 02:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/05/23 02:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/05/23 02:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/05/23 02:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/05/23 02:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/05/23 02:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/05/23 02:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/05/23 02:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/05/23 02:08	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/05/23 02:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/05/23 02:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/05/23 02:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/05/23 02:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/05/23 02:08	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			10/05/23 02:08	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/05/23 02:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/05/23 02:08	1
Methyl tert-butyl ether	<0.39	^c	1.0	0.39	ug/L			10/05/23 02:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/05/23 02:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/05/23 02:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/05/23 02:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/05/23 02:08	1
Styrene	<0.39		1.0	0.39	ug/L			10/05/23 02:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/05/23 02:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/05/23 02:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/05/23 02:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/05/23 02:08	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 964 Sadies Ln DW
Date Collected: 09/25/23 09:05
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			10/05/23 02:08	1
Toluene	<0.15		0.50	0.15	ug/L			10/05/23 02:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/05/23 02:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/05/23 02:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/05/23 02:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/05/23 02:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/05/23 02:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/05/23 02:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/05/23 02:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/05/23 02:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/05/23 02:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/05/23 02:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/05/23 02:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/05/23 02:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/05/23 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*10/05/23 02:08*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*10/05/23 02:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*10/05/23 02:08*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/05/23 02:08*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

Cara Noren
941 Sadie's Lane
Hudson, WI 54016

Dear Cara,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
7/3/23	9/25/23	2,524,140	53,660	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 941 Sadies Ln Raw

Date Collected: 09/25/23 09:45
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			10/03/23 13:47	1
Benzene	<0.15		0.50	0.15	ug/L			10/03/23 13:47	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/03/23 13:47	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/03/23 13:47	1
Bromodichloromethane	<0.37	^c	1.0	0.37	ug/L			10/03/23 13:47	1
Bromoform	<0.48		1.0	0.48	ug/L			10/03/23 13:47	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/03/23 13:47	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/03/23 13:47	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			10/03/23 13:47	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/03/23 13:47	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/03/23 13:47	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/03/23 13:47	1
Chloroform	<0.37		2.0	0.37	ug/L			10/03/23 13:47	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/03/23 13:47	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/03/23 13:47	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/03/23 13:47	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/03/23 13:47	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/03/23 13:47	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/03/23 13:47	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/03/23 13:47	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/03/23 13:47	1
Dibromomethane	<0.27	^c	1.0	0.27	ug/L			10/03/23 13:47	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/03/23 13:47	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/03/23 13:47	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/03/23 13:47	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			10/03/23 13:47	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/03/23 13:47	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/03/23 13:47	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/03/23 13:47	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/03/23 13:47	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/03/23 13:47	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/03/23 13:47	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/03/23 13:47	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/03/23 13:47	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/03/23 13:47	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 13:47	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/03/23 13:47	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/03/23 13:47	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/03/23 13:47	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/03/23 13:47	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/03/23 13:47	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 13:47	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/03/23 13:47	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 13:47	1
Styrene	<0.39		1.0	0.39	ug/L			10/03/23 13:47	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 13:47	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/03/23 13:47	1
1,1,2,2-Tetrachloroethane	<0.40	^c	1.0	0.40	ug/L			10/03/23 13:47	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/03/23 13:47	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 941 Sadies Ln Raw
Date Collected: 09/25/23 09:45
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			10/03/23 13:47	1
Toluene	<0.15		0.50	0.15	ug/L			10/03/23 13:47	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/03/23 13:47	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/03/23 13:47	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/03/23 13:47	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/03/23 13:47	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/03/23 13:47	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/03/23 13:47	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/03/23 13:47	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			10/03/23 13:47	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/03/23 13:47	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/03/23 13:47	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/03/23 13:47	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/03/23 13:47	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/03/23 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*10/03/23 13:47*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*10/03/23 13:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/03/23 13:47*	*1*
Toluene-d8 (Surr)	*108*		*75 - 120*		*10/03/23 13:47*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

Roy Jr. & Kelly Morris Goldbeck
1003 Labarge Road
Hudson, WI 54016

Dear Roy & Kelly,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	9/25/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 1003 Labarge Rd Raw
Date Collected: 09/25/23 10:00
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			10/03/23 14:12	1
Benzene	<0.15		0.50	0.15	ug/L			10/03/23 14:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/03/23 14:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/03/23 14:12	1
Bromodichloromethane	<0.37	^c	1.0	0.37	ug/L			10/03/23 14:12	1
Bromoform	<0.48		1.0	0.48	ug/L			10/03/23 14:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/03/23 14:12	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/03/23 14:12	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			10/03/23 14:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/03/23 14:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/03/23 14:12	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/03/23 14:12	1
Chloroform	<0.37		2.0	0.37	ug/L			10/03/23 14:12	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/03/23 14:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/03/23 14:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/03/23 14:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/03/23 14:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/03/23 14:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/03/23 14:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/03/23 14:12	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/03/23 14:12	1
Dibromomethane	<0.27	^c	1.0	0.27	ug/L			10/03/23 14:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/03/23 14:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/03/23 14:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/03/23 14:12	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			10/03/23 14:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/03/23 14:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/03/23 14:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/03/23 14:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/03/23 14:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/03/23 14:12	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/03/23 14:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/03/23 14:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/03/23 14:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/03/23 14:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 14:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/03/23 14:12	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/03/23 14:12	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/03/23 14:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/03/23 14:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/03/23 14:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 14:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/03/23 14:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 14:12	1
Styrene	<0.39		1.0	0.39	ug/L			10/03/23 14:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 14:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/03/23 14:12	1
1,1,2,2-Tetrachloroethane	<0.40	^c	1.0	0.40	ug/L			10/03/23 14:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/03/23 14:12	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 1003 Labarge Rd Raw
Date Collected: 09/25/23 10:00
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-6
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			10/03/23 14:12	1
Toluene	<0.15		0.50	0.15	ug/L			10/03/23 14:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/03/23 14:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/03/23 14:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/03/23 14:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/03/23 14:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/03/23 14:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/03/23 14:12	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/03/23 14:12	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			10/03/23 14:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/03/23 14:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/03/23 14:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/03/23 14:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/03/23 14:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/03/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/03/23 14:12*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*10/03/23 14:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*10/03/23 14:12*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*10/03/23 14:12*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

Gale & Cynthia Zielieke
771 McCutcheon Road
Hudson, WI 54016

Dear Gale & Cynthia,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the completed analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.- Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1- TCS (ug/L)	1,1- DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
-	9/25/23	-	-	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 771 McCutcheon Rd Raw
Date Collected: 09/25/23 10:15
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			10/03/23 14:36	1
Benzene	<0.15		0.50	0.15	ug/L			10/03/23 14:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/03/23 14:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/03/23 14:36	1
Bromodichloromethane	<0.37	^c	1.0	0.37	ug/L			10/03/23 14:36	1
Bromoform	<0.48		1.0	0.48	ug/L			10/03/23 14:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/03/23 14:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/03/23 14:36	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			10/03/23 14:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/03/23 14:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/03/23 14:36	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/03/23 14:36	1
Chloroform	<0.37		2.0	0.37	ug/L			10/03/23 14:36	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/03/23 14:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/03/23 14:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/03/23 14:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/03/23 14:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/03/23 14:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/03/23 14:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/03/23 14:36	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/03/23 14:36	1
Dibromomethane	<0.27	^c	1.0	0.27	ug/L			10/03/23 14:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/03/23 14:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/03/23 14:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/03/23 14:36	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			10/03/23 14:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/03/23 14:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/03/23 14:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/03/23 14:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/03/23 14:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/03/23 14:36	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/03/23 14:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/03/23 14:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/03/23 14:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/03/23 14:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 14:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/03/23 14:36	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/03/23 14:36	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/03/23 14:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/03/23 14:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/03/23 14:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 14:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/03/23 14:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 14:36	1
Styrene	<0.39		1.0	0.39	ug/L			10/03/23 14:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 14:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/03/23 14:36	1
1,1,2,2-Tetrachloroethane	<0.40	^c	1.0	0.40	ug/L			10/03/23 14:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/03/23 14:36	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 771 McCutcheon Rd Raw
Date Collected: 09/25/23 10:15
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			10/03/23 14:36	1
Toluene	<0.15		0.50	0.15	ug/L			10/03/23 14:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/03/23 14:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/03/23 14:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/03/23 14:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/03/23 14:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/03/23 14:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/03/23 14:36	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/03/23 14:36	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			10/03/23 14:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/03/23 14:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/03/23 14:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/03/23 14:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/03/23 14:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/03/23 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*10/03/23 14:36*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*10/03/23 14:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*10/03/23 14:36*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/03/23 14:36*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
www.cedarcorp.com

October 11, 2023

Thomas & Alice Jinks
934 Fraser Lane
Hudson, WI 54016

Dear Thomas & Alice,

Your groundwater results are reported as attached. The results show there were no detected volatile organic compounds in the unfiltered water (Raw). Based on the complete analysis, the raw water does not contain any compounds that exceed the State of Wisconsin safe drinking water standards. The filtered drinking water (DW) contains no compounds that exceed the State of Wisconsin safe drinking water standards.

Filter Instal.-Exchange Date	Sample Date	Meter Reading (gals.)	Vol. Used Between Filter Changes (gals.)	TCE (ug/L)	PCE (ug/L)	1,1,1-TCS (ug/L)	1,1-DCE (ug/L)	R-11 (ug/L)	Chloroform (ug/L)
8/31/23	9/25/23	1,552,100	89,070	ND	ND	ND	ND	ND	ND

Please keep this letter and the enclosed analytical results for your records. For any questions you may have, please feel free to contact me at 715-235-9081 or renee.sletten@cedarcorp.com. You may also contact the WDNR project manager Candace Sykora at 715-928-0452 or candace.sykora@wisconsin.gov.

Sincerely,

CEDAR CORPORATION

Renee Sletten

Renee Sletten
Environmental Specialist

Enclosure

cc: Candace Sykora, WDNR

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 934 Fraser Ln Raw

Date Collected: 09/25/23 13:30
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			10/03/23 15:01	1
Benzene	<0.15		0.50	0.15	ug/L			10/03/23 15:01	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/03/23 15:01	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/03/23 15:01	1
Bromodichloromethane	<0.37	^c	1.0	0.37	ug/L			10/03/23 15:01	1
Bromoform	<0.48		1.0	0.48	ug/L			10/03/23 15:01	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/03/23 15:01	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/03/23 15:01	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			10/03/23 15:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/03/23 15:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/03/23 15:01	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/03/23 15:01	1
Chloroform	<0.37		2.0	0.37	ug/L			10/03/23 15:01	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/03/23 15:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/03/23 15:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/03/23 15:01	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/03/23 15:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/03/23 15:01	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/03/23 15:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/03/23 15:01	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/03/23 15:01	1
Dibromomethane	<0.27	^c	1.0	0.27	ug/L			10/03/23 15:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/03/23 15:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/03/23 15:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/03/23 15:01	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			10/03/23 15:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/03/23 15:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/03/23 15:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/03/23 15:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/03/23 15:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/03/23 15:01	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/03/23 15:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/03/23 15:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/03/23 15:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/03/23 15:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 15:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/03/23 15:01	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/03/23 15:01	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/03/23 15:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/03/23 15:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/03/23 15:01	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 15:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/03/23 15:01	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 15:01	1
Styrene	<0.39		1.0	0.39	ug/L			10/03/23 15:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 15:01	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/03/23 15:01	1
1,1,2,2-Tetrachloroethane	<0.40	^c	1.0	0.40	ug/L			10/03/23 15:01	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/03/23 15:01	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 934 Fraser Ln Raw

Date Collected: 09/25/23 13:30
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-8

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			10/03/23 15:01	1
Toluene	<0.15		0.50	0.15	ug/L			10/03/23 15:01	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/03/23 15:01	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/03/23 15:01	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/03/23 15:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/03/23 15:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/03/23 15:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/03/23 15:01	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/03/23 15:01	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			10/03/23 15:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/03/23 15:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/03/23 15:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/03/23 15:01	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/03/23 15:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/03/23 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*10/03/23 15:01*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*10/03/23 15:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*10/03/23 15:01*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*10/03/23 15:01*	*1*

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 934 Fraser Ln DW

Date Collected: 09/25/23 13:35
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-9

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<1.7	^c	10	1.7	ug/L			10/03/23 15:26	1
Benzene	<0.15		0.50	0.15	ug/L			10/03/23 15:26	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/03/23 15:26	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/03/23 15:26	1
Bromodichloromethane	<0.37	^c	1.0	0.37	ug/L			10/03/23 15:26	1
Bromoform	<0.48		1.0	0.48	ug/L			10/03/23 15:26	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/03/23 15:26	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/03/23 15:26	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			10/03/23 15:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/03/23 15:26	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/03/23 15:26	1
Chloroethane	<0.51		5.0	0.51	ug/L			10/03/23 15:26	1
Chloroform	<0.37		2.0	0.37	ug/L			10/03/23 15:26	1
Chloromethane	<0.32		5.0	0.32	ug/L			10/03/23 15:26	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/03/23 15:26	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/03/23 15:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/03/23 15:26	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/03/23 15:26	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/03/23 15:26	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/03/23 15:26	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			10/03/23 15:26	1
Dibromomethane	<0.27	^c	1.0	0.27	ug/L			10/03/23 15:26	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/03/23 15:26	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/03/23 15:26	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/03/23 15:26	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			10/03/23 15:26	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/03/23 15:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/03/23 15:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/03/23 15:26	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/03/23 15:26	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/03/23 15:26	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			10/03/23 15:26	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/03/23 15:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/03/23 15:26	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/03/23 15:26	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 15:26	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/03/23 15:26	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/03/23 15:26	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/03/23 15:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/03/23 15:26	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/03/23 15:26	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/03/23 15:26	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/03/23 15:26	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 15:26	1
Styrene	<0.39		1.0	0.39	ug/L			10/03/23 15:26	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/03/23 15:26	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/03/23 15:26	1
1,1,2,2-Tetrachloroethane	<0.40	^c	1.0	0.40	ug/L			10/03/23 15:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/03/23 15:26	1

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Client Sample ID: 934 Fraser Ln DW
Date Collected: 09/25/23 13:35
Date Received: 09/26/23 09:35

Lab Sample ID: 500-240068-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<1.9	^c	10	1.9	ug/L			10/03/23 15:26	1
Toluene	<0.15		0.50	0.15	ug/L			10/03/23 15:26	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/03/23 15:26	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/03/23 15:26	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/03/23 15:26	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/03/23 15:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/03/23 15:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/03/23 15:26	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/03/23 15:26	1
Trichlorofluoromethane	<0.43	^c *	1.0	0.43	ug/L			10/03/23 15:26	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/03/23 15:26	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/03/23 15:26	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/03/23 15:26	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/03/23 15:26	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/03/23 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*10/03/23 15:26*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*10/03/23 15:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*10/03/23 15:26*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*10/03/23 15:26*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Junker LF Residentials

Job ID: 500-240068-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

APPENDIX D

COMPLETED GAC FILTER CHANGEOUTS