December 8, 2022

Ms. Cindy Koepke
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

RE: November 2022 Groundwater Quality Monitoring Results
Refuse Hideaway Landfill
WDNR License #01953, WDNR Facility #113112010

Dear Ms. Koepke:

This letter summarizes the semi-annual November 2022 groundwater quality monitoring results for the Refuse Hideaway Landfill (the Landfill) located at 7562 USH 14, Middleton, Wisconsin. The Landfill is located in the southwest quarter of the northwest quarter, Section 8, Township 7 North, Range 8 East, Dane County, Wisconsin (Figure 1).

Cedar Corporation (Cedar) collected groundwater samples from 23 Landfill monitoring well locations on November 7 through November 9, 2022 (reference Figure 2 – Monitoring Well Locations). The samples were collected in accordance with the Wisconsin Department of Natural Resources (WDNR) guidance Groundwater Sampling Desk Reference (September 1996) and were submitted to Eurofins Test America in University Park, Illinois, for analysis of volatile organic compounds (VOCs).

Cedar collected depth to groundwater measurements at each of the groundwater monitoring wells at the Landfill prior to sampling. Groundwater elevations can be referenced on Table 1 – Groundwater Elevations in Attachment A. Groundwater flow at the Landfill can be reference on Figure 3 – Water Table Map.

An electronic format of the laboratory results were submitted on a CD for the GEMS database submittal. Accompanying the CD was the Environmental Monitoring Data Certification which is also included in Attachment A. Laboratory reports and figures were not included in the CD.

Groundwater Quality

The groundwater quality results were compared to Chapter NR 140, Wisconsin Administrative Code (NR 140 WAC) groundwater quality preventive action limits (PAL) and enforcement standards (ES) and/or the section NR 809.60 Wisconsin Administrative Code (s. 809.60, WAC) secondary drinking water standards. Analytical results from the November 2022 sampling event exceeding a NR 140 WAC ES and PAL are discussed below.

Exceedances Notification

There were three (3) groundwater monitoring wells at the Landfill with NR 140 WAC ES exceedances; the groundwater monitoring wells are listed below.

- P-26S
- P-18S
- P-27D

There were 16 groundwater monitoring wells at the Landfill with NR 140 WAC PAL exceedance; the groundwater monitoring wells are listed below.

- P-25BR
- P-31IB
- P-23S
- P-22D
- P-40I
- P-18S
- P-23D
- P-22E
- P-40D
- P-27S
- P-20SR
- 7734 Highway 14
- P-31IA
- P-17S
- P-27D
- 7750 Highway 14

There were three (3) field duplicates and/or trip blanks with NR 140 WAC PAL exceedances; the samples are listed below.

- FD-1
- FD-2
- Trip Blank (11/7/2022)

Results of the exceedances can be viewed in Table 2 – NR 140 PAL-ES Exceedance Report in Attachment B. Copies of the analytical laboratory results and chain-of-custody record are included in Attachment B.

Discussion

There were three (3) groundwater monitoring wells with NR 140 WAC ES exceedances and 16 groundwater monitoring wells with NR 140 WAC PAL exceedances detected during the November 2022 groundwater sampling event. The cause for the exceedances is due to the historic use of the Site as a landfill and generally consistent with past sampling events.

Standard of Care

Please do not hesitate to contact me or Dan O'Connell at (920) 491-9081 should you have any questions regarding this project.

Sincerely,
Cedar Corporation

Quin Lenz, P.G.
Geologist

Dan O'Connell, P.G., C.P.G.
Environmental Manager

Enclosure

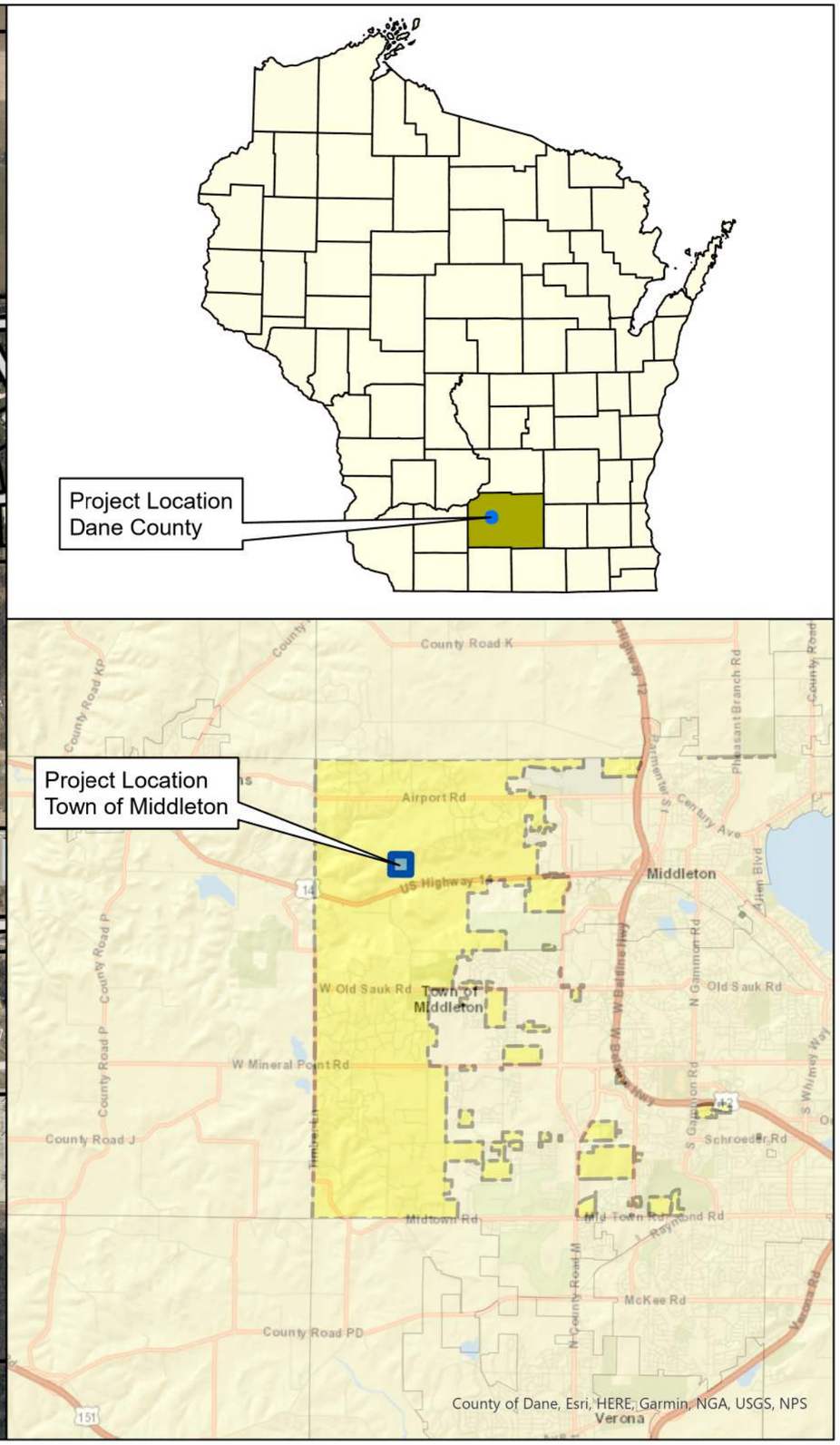
cc: GEMS Data Submittal Contact – WA/5, WDNR, P.O. Box 7921, Madison, WI 53707-7921
(Data Disk and Original Environmental Monitoring Data Certification form only)

References

Wisconsin Department of Natural Resources. "Groundwater Sampling Desk Reference," Publication No. DG-037-96, September 1996.

Wisconsin Department of Natural Resources. "Groundwater Quality," Wisconsin Administrative Code, Chapter NR 140, July 2015.

Figures



NORTH
W E
S

Cedar CORPORATION

Location Map
Wisconsin DNR - Refuse Hideaway Landfill
US HIGHWAY 14
TOWN OF MIDDLETON, DANE COUNTY, WISCONSIN

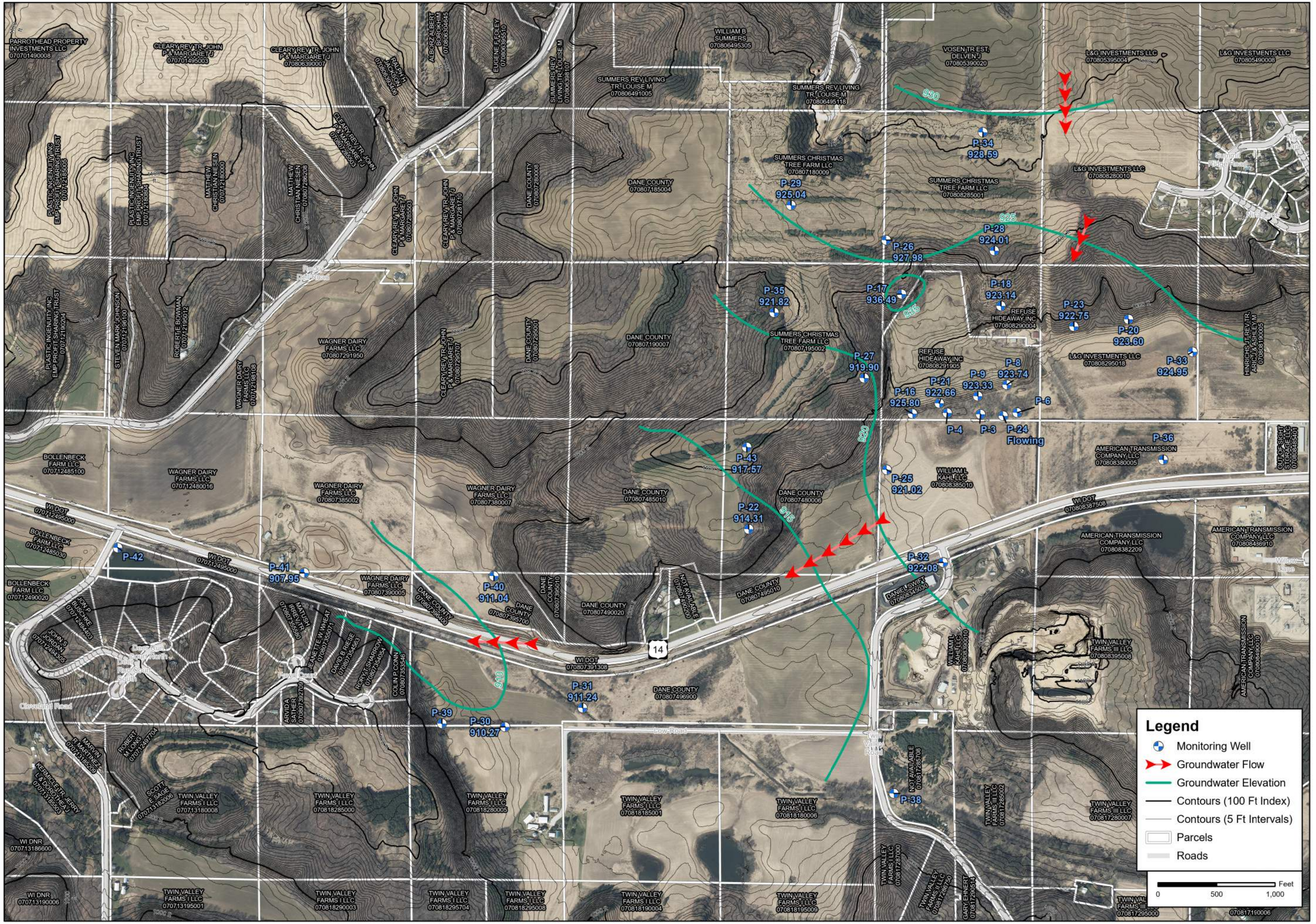
JOB NO.	W6719
DATE	12/7/2022
FIGURE	Fig. 1

Cedar Corporation

Monitoring Well Locations
Wisconsin DNR - Refuse Hideaway Landfill

US HIGHWAY 14
TOWN OF MIDDLETON, DANE COUNTY, WISCONSIN

JOB NO.	W6719
DATE	12/8/2022
FIGURE	Fig. 2



Cedar Corporation

Water Table Map - November 2022
Wisconsin DNR - Refuse Hideaway Landfill

US HIGHWAY 14
TOWN OF MIDDLETON, DANE COUNTY, WISCONSIN

JOB NO.	W6719
DATE	12/8/2022
FIGURE	Fig. 3

Attachment A

Table 1
Groundwater Elevations
7562 USH 14
Middleton, Wisconsin
WDNR Facility #113112010

Location	Date	Time (24-hr)	DTW from TOC (ft)	Well Depth from TOC (ft)	Elevation Top of PVC	GW Elev.
P-8S	11/7/2022	10:07	8.76	20.5	932.5	923.74
P-8D	11/7/2022	10:04	7.95	42.2	930.98	923.03
P-9S	11/7/2022	10:15	8.76	16	932.09	923.33
P-9D	11/7/2022	10:11	Flowing	43	930.43	Flowing
P-16S	11/7/2022	9:42	10.98	17.2	936.78	925.8
P-16D	11/7/2022	9:37	15.91	42.9	936.3	920.39
P-21S	11/7/2022	10:29	13.77	19.7	936.43	922.66
P-21D	11/7/2022	10:27	13.51	41.6	936.94	923.43
P-21BR	11/7/2022	10:38	14.23	148.3	935.19	920.96
P-24D	11/7/2022	9:50	Flowing	25.2	927.25	Flowing
P-24E	11/7/2022	9:52	Flowing	52.5	927.39	Flowing
P-25S	11/7/2022	10:39	22.12	29.4	943.14	921.02
P-28S	11/7/2022	14:00	200.32	207.4	1124.33	924.01
P-29S	11/7/2022	11:55	238.06	257.2	1163.1	925.04
P-31S	11/7/2022	11:36	5.35	28.8	916.59	911.24
P-32S	11/7/2022	12:03	21.65	39.5	943.73	922.08
P-32D	11/7/2022	12:04	22.3	176.2	942.66	920.36
P-33D	11/7/2022	11:22	Flowing	103.4	928.5	Flowing
P-34S	11/7/2022	16:24	162.51	186	1091.1	928.59
P-34D	11/7/2022	16:17	164.79	276.1	1090.98	926.19
P-41D	11/7/2022	11:20	16.87	104.5	924.82	907.95
P-8BR	11/7/2022	10:03	Flowing	111.5	929.52	Flowing
P-33S	11/7/2022	11:21	3.6	27.6	928.55	924.95
P-35S	11/7/2022	14:23	166.08	184	1087.9	921.82
P-35D	11/7/2022	14:30	167.46	252.6	1087.7	920.24
P-17S	11/7/2022	9:26	145.26	158.8	1081.75	936.49
P-18S	11/7/2022	9:12	97.43	107.2	1020.57	923.14
P-20SR	11/7/2022	11:07	38.18	66.3	961.78	923.6
P-22S	11/7/2022	9:52	Flowing	184.7	1088.2	Flowing
P-22D	11/7/2022	10:00	163.38	217.2	1088.94	925.56
P-22E	11/7/2022	10:07	175.36	273	1089.72	914.36
P-23S	11/7/2022	10:54	38.96	48.1	961.71	922.75
P-23D	11/7/2022	10:59	38.48	80.1	961.53	923.05
P-25D	11/7/2022	10:42	27.1	96.3	943.86	916.76
P-25BR	11/7/2022	10:40	26.14	140.3	943.27	917.13
P-26S	11/7/2022	12:02	222.97	237.6	1150.95	927.98
P-27S	11/7/2022	14:58	175.33	188.8	1095.23	919.9
P-27D	11/7/2022	14:55	175.75	204.3	1095.56	919.81
P-30I	11/7/2022	11:48	20.67	142.3	930.94	910.27
P-30D	11/7/2022	11:52	22.64	289.5	932.97	910.33
P-31IA	11/7/2022	11:34	Flowing	95.6	916.77	Flowing
P-31IB	11/7/2022	11:37	Flowing	135.7	916.49	Flowing
P-31D	11/7/2022	11:38	Flowing	258.2	915.72	Flowing
P-40I	11/7/2022	10:58	11.24	104.8	922.28	911.04
P-40D	11/7/2022	11:57	12.42	255.2	922.98	910.56
P-43S	11/7/2022	9:44	193.03	205.7	1110.6	917.57
P-43I	11/7/2022	9:40	193.26	233.3	1110.24	916.98
P-43D	11/7/2022	9:30	192.56	283.6	1109.92	917.36

Notes:
ft = feet
DTW = Depth to Water
GW Elev. = Groundwater elevation in feet
TOC = Top of casing
hr = hour

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification

Form 4400-231 (R 5/17)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5, Wisconsin Department of Natural Resources, P.O. Box 7921, Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)
Cedar Corporation

Contact for questions about data formatting. Include data preparer's name, telephone number and Email address:

Name	Phone No. (include area code)
Quin Lenz	(920) 491-9081

Email
quin.lenz@cedarcorp.com

Facility Name
Refuse Hideaway Landfill

License # / Monitoring ID	Facility ID (FID)
01953	113112010

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
November 7-9, 2022	November 2022

Type of Data Submitted (Check all that apply):

- [x] Groundwater monitoring data from monitoring wells
- [x] Groundwater monitoring data from private water supply wells
- [ ] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify):

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [x] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Facility Representative Name (Print)	Title	Phone No. (include area code)
Quin Lenz	Staff Geologist	(920) 491-9081

Signature _____ Date Signed (mm/dd/yyyy) 12/8/2022

For DNR Use Only

Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] Found uploading problems on _____ Initials
- [ ] Notified contact of problems on _____ Uploaded data successfully on _____

EDD format(s): [ ] Diskette [ ] CD (initial submittal and follow-up) [ ] E-mail (follow-up only) [ ] Other: _____

Attachment B

Table 2
NR 140 PAL-ES Exceedance Report
7562 USH 14
Middleton, Wisconsin
WDNR Facility #113112010

Sample No	Well ID	Well Name	Date Sampled	Parameter	Description	RESULT	PAL	ES	LOD	Units	PAL Exceeded?	ES Exceeded?
500-225219-1	141	**P-26 S**	11/07/2022	34475	**Tetrachloroethene**	**5.4**	0.5	5	0.37	UG/L	PAL Exceeded	**ES Exceeded**
500-225219-10	119	**P-25 BR**	11/08/2022	34475	**Tetrachloroethene**	**1.2**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-11	xxx	**FD-1**	11/08/2022	34475	**Tetrachloroethene**	**1**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-12	162	**P-40 I**	11/08/2022	34475	**Tetrachloroethene**	**3.5**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-12	162	**P-40 I**	11/08/2022	39180	**Trichloroethene**	**1**	0.5	5	0.16	UG/L	**PAL Exceeded**	
500-225219-13	161	**P-40 D**	11/08/2022	34475	**Tetrachloroethene**	**0.81**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-14	146	**P-31 IA**	11/08/2022	34475	**Tetrachloroethene**	**1.9**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-14	146	**P-31 IA**	11/08/2022	39180	**Trichloroethene**	**0.79**	0.5	5	0.16	UG/L	**PAL Exceeded**	
500-225219-15	147	**P-31 IB**	11/08/2022	34475	**Tetrachloroethene**	**1.8**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-15	147	**P-31 IB**	11/08/2022	39180	**Trichloroethene**	**0.88**	0.5	5	0.16	UG/L	**PAL Exceeded**	
500-225219-19	129	**P-18 S**	11/09/2022	34475	**Tetrachloroethene**	**7**	0.5	5	0.37	UG/L	PAL Exceeded	**ES Exceeded**
500-225219-19	129	**P-18 S**	11/09/2022	39180	**Trichloroethene**	**0.61**	0.5	5	0.16	UG/L	**PAL Exceeded**	
500-225219-2	121	**P-27 S**	11/07/2022	34475	**Tetrachloroethene**	**2.3**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-20	128	**P-17 S**	11/09/2022	34423	**Methylene Chloride**	**2.9**	0.5	5	1.6	UG/L	**PAL Exceeded**	
500-225219-20	128	**P-17 S**	11/09/2022	34475	**Tetrachloroethene**	**2.2**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-21	137	**P-23 S**	11/09/2022	34423	**Methylene Chloride**	**3**	0.5	5	1.6	UG/L	**PAL Exceeded**	
500-225219-21	137	**P-23 S**	11/09/2022	34475	**Tetrachloroethene**	**0.73**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-22	138	**P-23 D**	11/09/2022	34423	**Methylene Chloride**	**2.7**	0.5	5	1.6	UG/L	**PAL Exceeded**	
500-225219-23	167	**P-20 SR**	11/09/2022	34475	**Tetrachloroethene**	**1.5**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-24	zzz	**FD-2**	11/09/2022	34423	**Methylene Chloride**	**2.8**	0.5	5	1.6	UG/L	**PAL Exceeded**	
500-225219-25	999	**Trip Blank**	11/07/2022	34423	**Methylene Chloride**	**2.9**	0.5	5	1.6	UG/L	**PAL Exceeded**	
500-225219-3	122	**P-27 D**	11/07/2022	34475	**Tetrachloroethene**	**11**	0.5	5	0.37	UG/L	PAL Exceeded	**ES Exceeded**
500-225219-3	122	**P-27 D**	11/07/2022	39180	**Trichloroethene**	**1.8**	0.5	5	0.16	UG/L	**PAL Exceeded**	
500-225219-7	136	**P-22 D**	11/08/2022	39180	**Trichloroethene**	**0.52**	0.5	5	0.16	UG/L	**PAL Exceeded**	
500-225219-8	174	**P-22 E**	11/08/2022	34475	**Tetrachloroethene**	**4.4**	0.5	5	0.37	UG/L	**PAL Exceeded**	
500-225219-8	174	**P-22 E**	11/08/2022	39180	**Trichloroethene**	**1.6**	0.5	5	0.16	UG/L	**PAL Exceeded**	
500-225256-2	312	**7734 Highway 14**	11/09/2022	34475	**Tetrachloroethene**	**3**	0.5	5	0.2	UG/L	**PAL Exceeded**	
500-225256-2	312	**7734 Highway 14**	11/09/2022	39180	**Trichloroethene**	**0.65**	0.5	5	0.2	UG/L	**PAL Exceeded**	
500-225256-3	311	**7750 Highway 14**	11/09/2022	34475	**Tetrachloroethene**	**1.8**	0.5	5	0.2	UG/L	**PAL Exceeded**	

Notes:

Bold	PAL Exceedance
Bold	ES Exceedance

PAL = Preventative Action Limit
ES = Enforcement Standard
UG/L = Micrograms per liter

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan O'Connell
Cedar Corporation
1695 Bellevue Street
Green Bay Wisconsin 54311

Generated 11/18/2022 4:53:59 PM

JOB DESCRIPTION

Refuse Hideaway Landfill

JOB NUMBER

500-225256-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

myEOL

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Appendix 36

Job ID: 500-225256-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-225256-1

Comments
No additional comments.

Receipt
The samples were received on 11/10/2022 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 4.3º C.

GC/MS VOA
Method 524.2: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH (4.0) was outside the required criteria when verified by the laboratory, and corrective action was not possible: (500-225256-B-8 MS).

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: Refuse Hideaway Landfill

Job ID: 500-225256-1

Client Sample ID: 7785 Low Rd — Lab Sample ID: 500-225256-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Field Conductivity	990				umhos/cm	1		Field Sampling	Total/NA
Field pH	7.6				SU	1		Field Sampling	Total/NA
Field Temperature	12.0				Degrees C	1		Field Sampling	Total/NA

Client Sample ID: 7734 Highway 14 — Lab Sample ID: 500-225256-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		0.50	0.20	ug/L	1		524.2	Total/NA
Tetrachloroethene	3.0		0.50	0.20	ug/L	1		524.2	Total/NA
Trichloroethene	0.65		0.50	0.20	ug/L	1		524.2	Total/NA
Field Conductivity	970				umhos/cm	1		Field Sampling	Total/NA
Field pH	7.5				SU	1		Field Sampling	Total/NA
Field Temperature	14.2				Degrees C	1		Field Sampling	Total/NA

Client Sample ID: 7750 Highway 14 — Lab Sample ID: 500-225256-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.1		0.50	0.20	ug/L	1		524.2	Total/NA
Tetrachloroethene	1.8		0.50	0.20	ug/L	1		524.2	Total/NA
Trichloroethene	0.39	J	0.50	0.20	ug/L	1		524.2	Total/NA
Field Conductivity	780				umhos/cm	1		Field Sampling	Total/NA
Field pH	8.1				SU	1		Field Sampling	Total/NA
Field Temperature	13.6				Degrees C	1		Field Sampling	Total/NA

Client Sample ID: 4310 Fawn Ct — Lab Sample ID: 500-225256-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Field Conductivity	950				umhos/cm	1		Field Sampling	Total/NA
Field pH	7.8				SU	1		Field Sampling	Total/NA
Field Temperature	14.8				Degrees C	1		Field Sampling	Total/NA

Client Sample ID: 4314 Fawn Ct — Lab Sample ID: 500-225256-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Field Conductivity	900				umhos/cm	1		Field Sampling	Total/NA
Field pH	7.6				SU	1		Field Sampling	Total/NA
Field Temperature	13.4				Degrees C	1		Field Sampling	Total/NA

Client Sample ID: 7873 Deer Run Rd — Lab Sample ID: 500-225256-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Field Conductivity	880				umhos/cm	1		Field Sampling	Total/NA
Field pH	7.7				SU	1		Field Sampling	Total/NA
Field Temperature	15.4				Degrees C	1		Field Sampling	Total/NA

Client Sample ID: 7892 Deer Run Rd — Lab Sample ID: 500-225256-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Field Conductivity	690				umhos/cm	1		Field Sampling	Total/NA
Field pH	7.6				SU	1		Field Sampling	Total/NA
Field Temperature	15.1				Degrees C	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Client Sample ID: 7911 Deer Run Rd — Lab Sample ID: 500-225256-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Field Conductivity	670				umhos/cm	1		Field Sampling	Total/NA
Field pH	7.7				SU	1		Field Sampling	Total/NA
Field Temperature	13.5				Degrees C	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-225256-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	EA SB
Field Sampling	Field Sampling	EPA	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

EA SB = Eurofins Eaton South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-225256-1	7785 Low Rd	Water	11/08/22 16:20	11/10/22 09:40
500-225256-2	7734 Highway 14	Water	11/09/22 11:22	11/10/22 09:40
500-225256-3	7750 Highway 14	Water	11/09/22 11:40	11/10/22 09:40
500-225256-4	4310 Fawn Ct	Water	11/09/22 12:30	11/10/22 09:40
500-225256-5	4314 Fawn Ct	Water	11/09/22 12:46	11/10/22 09:40
500-225256-6	7873 Deer Run Rd	Water	11/09/22 13:06	11/10/22 09:40
500-225256-7	7892 Deer Run Rd	Water	11/09/22 13:26	11/10/22 09:40
500-225256-8	7911 Deer Run Rd	Water	11/09/22 13:42	11/10/22 09:40
500-225256-9	Trip Blank	Water	11/09/22 00:00	11/10/22 09:40

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Client Sample ID: 7785 Low Rd

Date Collected: 11/08/22 16:20
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-1

Matrix: Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
Carbon tetrachloride	<0.10		0.50	0.10	ug/L			11/15/22 16:16	1
Chlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
cis-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
1,2-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
1,4-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
1,2-Dichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
1,1-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
1,2-Dichloropropane	<0.20		0.25	0.20	ug/L			11/15/22 16:16	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
Methylene Chloride	<0.40		0.50	0.40	ug/L			11/15/22 16:16	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			11/15/22 16:16	1
o-Xylene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
Styrene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
Toluene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
trans-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
1,2,4-Trichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
1,1,1-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
1,1,2-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
Trichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 16:16	1
Vinyl chloride	<0.20		0.20	0.20	ug/L			11/15/22 16:16	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			11/15/22 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*11/15/22 16:16*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*99*		*70 - 130*		*11/15/22 16:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*11/15/22 16:16*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/15/22 16:16*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Conductivity	**990**				umhos/cm			11/08/22 16:20	1
Field pH	**7.6**				SU			11/08/22 16:20	1
Field Temperature	**12.0**				Degrees C			11/08/22 16:20	1

Client Sample ID: 7734 Highway 14

Date Collected: 11/09/22 11:22
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-2

Matrix: Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
Carbon tetrachloride	<0.10		0.50	0.10	ug/L			11/15/22 16:41	1
Chlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
cis-1,2-Dichloroethene	**1.2**		0.50	0.20	ug/L			11/15/22 16:41	1
1,2-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
1,4-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
1,2-Dichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
1,1-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
1,2-Dichloropropane	<0.20		0.25	0.20	ug/L			11/15/22 16:41	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
Methylene Chloride	<0.40		0.50	0.40	ug/L			11/15/22 16:41	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			11/15/22 16:41	1
o-Xylene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
Styrene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
Tetrachloroethene	**3.0**		0.50	0.20	ug/L			11/15/22 16:41	1
Toluene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
trans-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
1,2,4-Trichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
1,1,1-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
1,1,2-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 16:41	1
Trichloroethene	**0.65**		0.50	0.20	ug/L			11/15/22 16:41	1
Vinyl chloride	<0.20		0.20	0.20	ug/L			11/15/22 16:41	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			11/15/22 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*11/15/22 16:41*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*70 - 130*		*11/15/22 16:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*11/15/22 16:41*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/15/22 16:41*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Conductivity	**970**				umhos/cm			11/09/22 11:22	1
Field pH	**7.5**				SU			11/09/22 11:22	1
Field Temperature	**14.2**				Degrees C			11/09/22 11:22	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Client Sample ID: 7750 Highway 14

Date Collected: 11/09/22 11:40
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-3

Matrix: Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
Carbon tetrachloride	<0.10		0.50	0.10	ug/L			11/15/22 17:06	1
Chlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
cis-1,2-Dichloroethene	**1.1**		0.50	0.20	ug/L			11/15/22 17:06	1
1,2-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
1,4-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
1,2-Dichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
1,1-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
1,2-Dichloropropane	<0.20		0.25	0.20	ug/L			11/15/22 17:06	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
Methylene Chloride	<0.40		0.50	0.40	ug/L			11/15/22 17:06	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			11/15/22 17:06	1
o-Xylene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
Styrene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
Tetrachloroethene	**1.8**		0.50	0.20	ug/L			11/15/22 17:06	1
Toluene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
trans-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
1,2,4-Trichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
1,1,1-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
1,1,2-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 17:06	1
Trichloroethene	**0.39**	**J**	0.50	0.20	ug/L			11/15/22 17:06	1
Vinyl chloride	<0.20		0.20	0.20	ug/L			11/15/22 17:06	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			11/15/22 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*11/15/22 17:06*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*70 - 130*		*11/15/22 17:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*11/15/22 17:06*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/15/22 17:06*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Conductivity	**780**				umhos/cm			11/09/22 11:40	1
Field pH	**8.1**				SU			11/09/22 11:40	1
Field Temperature	**13.6**				Degrees C			11/09/22 11:40	1

Client: Cedar Corporation
Job ID: 500-225256-1
Project/Site: Refuse Hideaway Landfill

Client Sample ID: 4310 Fawn Ct
Lab Sample ID: 500-225256-4
Date Collected: 11/09/22 12:30
Matrix: Water
Date Received: 11/10/22 09:40

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
Carbon tetrachloride	<0.10		0.50	0.10	ug/L			11/15/22 17:31	1
Chlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
cis-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
1,2-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
1,4-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
1,2-Dichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
1,1-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
1,2-Dichloropropane	<0.20		0.25	0.20	ug/L			11/15/22 17:31	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
Methylene Chloride	<0.40		0.50	0.40	ug/L			11/15/22 17:31	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			11/15/22 17:31	1
o-Xylene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
Styrene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
Toluene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
trans-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
1,2,4-Trichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
1,1,1-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
1,1,2-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
Trichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:31	1
Vinyl chloride	<0.20		0.20	0.20	ug/L			11/15/22 17:31	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			11/15/22 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*11/15/22 17:31*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*92*		*70 - 130*		*11/15/22 17:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*11/15/22 17:31*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*11/15/22 17:31*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Conductivity	**950**				umhos/cm			11/09/22 12:30	1
Field pH	**7.8**				SU			11/09/22 12:30	1
Field Temperature	**14.8**				Degrees C			11/09/22 12:30	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Client Sample ID: 4314 Fawn Ct

Date Collected: 11/09/22 12:46
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-5

Matrix: Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
Carbon tetrachloride	<0.10		0.50	0.10	ug/L			11/15/22 17:56	1
Chlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
cis-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
1,2-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
1,4-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
1,2-Dichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
1,1-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
1,2-Dichloropropane	<0.20		0.25	0.20	ug/L			11/15/22 17:56	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
Methylene Chloride	<0.40		0.50	0.40	ug/L			11/15/22 17:56	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			11/15/22 17:56	1
o-Xylene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
Styrene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
Toluene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
trans-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
1,2,4-Trichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
1,1,1-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
1,1,2-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
Trichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 17:56	1
Vinyl chloride	<0.20		0.20	0.20	ug/L			11/15/22 17:56	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			11/15/22 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*11/15/22 17:56*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*91*		*70 - 130*		*11/15/22 17:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*11/15/22 17:56*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/15/22 17:56*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Conductivity	**900**				umhos/cm			11/09/22 12:46	1
Field pH	**7.6**				SU			11/09/22 12:46	1
Field Temperature	**13.4**				Degrees C			11/09/22 12:46	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Client Sample ID: 7873 Deer Run Rd

Date Collected: 11/09/22 13:06
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-6

Matrix: Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
Carbon tetrachloride	<0.10		0.50	0.10	ug/L			11/15/22 18:21	1
Chlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
cis-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
1,2-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
1,4-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
1,2-Dichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
1,1-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
1,2-Dichloropropane	<0.20		0.25	0.20	ug/L			11/15/22 18:21	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
Methylene Chloride	<0.40		0.50	0.40	ug/L			11/15/22 18:21	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			11/15/22 18:21	1
o-Xylene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
Styrene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
Toluene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
trans-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
1,2,4-Trichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
1,1,1-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
1,1,2-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
Trichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 18:21	1
Vinyl chloride	<0.20		0.20	0.20	ug/L			11/15/22 18:21	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			11/15/22 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*11/15/22 18:21*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*88*		*70 - 130*		*11/15/22 18:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*11/15/22 18:21*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*11/15/22 18:21*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Conductivity	**880**				umhos/cm			11/09/22 13:06	1
Field pH	**7.7**				SU			11/09/22 13:06	1
Field Temperature	**15.4**				Degrees C			11/09/22 13:06	1

Client: Cedar Corporation
Job ID: 500-225256-1
Project/Site: Refuse Hideaway Landfill

Client Sample ID: 7892 Deer Run Rd
Lab Sample ID: 500-225256-7
Date Collected: 11/09/22 13:26
Matrix: Water
Date Received: 11/10/22 09:40

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
Carbon tetrachloride	<0.10		0.50	0.10	ug/L			11/15/22 18:46	1
Chlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
cis-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
1,2-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
1,4-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
1,2-Dichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
1,1-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
1,2-Dichloropropane	<0.20		0.25	0.20	ug/L			11/15/22 18:46	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
Methylene Chloride	<0.40		0.50	0.40	ug/L			11/15/22 18:46	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			11/15/22 18:46	1
o-Xylene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
Styrene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
Toluene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
trans-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
1,2,4-Trichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
1,1,1-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
1,1,2-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
Trichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 18:46	1
Vinyl chloride	<0.20		0.20	0.20	ug/L			11/15/22 18:46	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			11/15/22 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*11/15/22 18:46*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*96*		*70 - 130*		*11/15/22 18:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*11/15/22 18:46*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/15/22 18:46*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Conductivity	**690**				umhos/cm			11/09/22 13:26	1
Field pH	**7.6**				SU			11/09/22 13:26	1
Field Temperature	**15.1**				Degrees C			11/09/22 13:26	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Client Sample ID: 7911 Deer Run Rd

Date Collected: 11/09/22 13:42
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-8

Matrix: Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
Carbon tetrachloride	<0.10		0.50	0.10	ug/L			11/15/22 19:11	1
Chlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
cis-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
1,2-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
1,4-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
1,2-Dichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
1,1-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
1,2-Dichloropropane	<0.20		0.25	0.20	ug/L			11/15/22 19:11	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
Methylene Chloride	<0.40		0.50	0.40	ug/L			11/15/22 19:11	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			11/15/22 19:11	1
o-Xylene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
Styrene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
Toluene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
trans-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
1,2,4-Trichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
1,1,1-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
1,1,2-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
Trichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 19:11	1
Vinyl chloride	<0.20		0.20	0.20	ug/L			11/15/22 19:11	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			11/15/22 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*11/15/22 19:11*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*91*		*70 - 130*		*11/15/22 19:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*11/15/22 19:11*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/15/22 19:11*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Conductivity	**670**				umhos/cm			11/09/22 13:42	1
Field pH	**7.7**				SU			11/09/22 13:42	1
Field Temperature	**13.5**				Degrees C			11/09/22 13:42	1

Client: Cedar Corporation
Job ID: 500-225256-1
Project/Site: Refuse Hideaway Landfill

Client Sample ID: Trip Blank
Lab Sample ID: 500-225256-9

Date Collected: 11/09/22 00:00
Matrix: Water
Date Received: 11/10/22 09:40

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
Carbon tetrachloride	<0.10		0.50	0.10	ug/L			11/15/22 15:51	1
Chlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
cis-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
1,2-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
1,4-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
1,2-Dichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
1,1-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
1,2-Dichloropropane	<0.20		0.25	0.20	ug/L			11/15/22 15:51	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
Methylene Chloride	<0.40		0.50	0.40	ug/L			11/15/22 15:51	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			11/15/22 15:51	1
o-Xylene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
Styrene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
Toluene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
trans-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
1,2,4-Trichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
1,1,1-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
1,1,2-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
Trichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 15:51	1
Vinyl chloride	<0.20		0.20	0.20	ug/L			11/15/22 15:51	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			11/15/22 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*11/15/22 15:51*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*93*		*70 - 130*		*11/15/22 15:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*11/15/22 15:51*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/15/22 15:51*	*1*

Definitions/Glossary

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

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: Refuse Hideaway Landfill

Job ID: 500-225256-1

GC/MS VOA

Analysis Batch: 38457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225256-1	7785 Low Rd	Total/NA	Water	524.2	
500-225256-2	7734 Highway 14	Total/NA	Water	524.2	
500-225256-3	7750 Highway 14	Total/NA	Water	524.2	
500-225256-4	4310 Fawn Ct	Total/NA	Water	524.2	
500-225256-5	4314 Fawn Ct	Total/NA	Water	524.2	
500-225256-6	7873 Deer Run Rd	Total/NA	Water	524.2	
500-225256-7	7892 Deer Run Rd	Total/NA	Water	524.2	
500-225256-8	7911 Deer Run Rd	Total/NA	Water	524.2	
500-225256-9	Trip Blank	Total/NA	Water	524.2	
MB 810-38457/5	Method Blank	Total/NA	Water	524.2	
500-225256-8 MS	7911 Deer Run Rd	Total/NA	Water	524.2	

Field Service / Mobile Lab

Analysis Batch: 685951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225256-1	7785 Low Rd	Total/NA	Water	Field Sampling	
500-225256-2	7734 Highway 14	Total/NA	Water	Field Sampling	
500-225256-3	7750 Highway 14	Total/NA	Water	Field Sampling	
500-225256-4	4310 Fawn Ct	Total/NA	Water	Field Sampling	
500-225256-5	4314 Fawn Ct	Total/NA	Water	Field Sampling	
500-225256-6	7873 Deer Run Rd	Total/NA	Water	Field Sampling	
500-225256-7	7892 Deer Run Rd	Total/NA	Water	Field Sampling	
500-225256-8	7911 Deer Run Rd	Total/NA	Water	Field Sampling	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DCZ	DCA	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
500-225256-1	7785 Low Rd	97	99	106	99
500-225256-2	7734 Highway 14	93	94	106	97
500-225256-3	7750 Highway 14	90	94	111	97
500-225256-4	4310 Fawn Ct	88	92	109	95
500-225256-5	4314 Fawn Ct	89	91	111	97
500-225256-6	7873 Deer Run Rd	89	88	108	95
500-225256-7	7892 Deer Run Rd	92	96	110	99
500-225256-8	7911 Deer Run Rd	91	91	107	97
500-225256-8 MS	7911 Deer Run Rd	105	111	108	93
500-225256-9	Trip Blank	93	93	110	99
MB 810-38457/5	Method Blank	95	94	108	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DCZ = 1,2-Dichlorobenzene-d4 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 810-38457/5
Matrix: Water
Analysis Batch: 38457

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
Carbon tetrachloride	<0.10		0.50	0.10	ug/L			11/15/22 11:25	1
Chlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
cis-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
1,2-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
1,4-Dichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
1,2-Dichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
1,1-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
1,2-Dichloropropane	<0.20		0.25	0.20	ug/L			11/15/22 11:25	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
Methylene Chloride	<0.40		0.50	0.40	ug/L			11/15/22 11:25	1
m-Xylene & p-Xylene	<0.50		0.50	0.50	ug/L			11/15/22 11:25	1
o-Xylene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
Styrene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
Tetrachloroethene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
Toluene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
trans-1,2-Dichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
1,2,4-Trichlorobenzene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
1,1,1-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
1,1,2-Trichloroethane	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
Trichloroethene	<0.20		0.50	0.20	ug/L			11/15/22 11:25	1
Vinyl chloride	<0.20		0.20	0.20	ug/L			11/15/22 11:25	1
Xylenes, Total	<0.50		0.50	0.50	ug/L			11/15/22 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*11/15/22 11:25*	*1*
1,2-Dichlorobenzene-d4 (Surr)	*94*		*70 - 130*		*11/15/22 11:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*11/15/22 11:25*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/15/22 11:25*	*1*

Lab Sample ID: 500-225256-8 MS
Matrix: Water
Analysis Batch: 38457

Client Sample ID: 7911 Deer Run Rd
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.20		10.0	10.4		ug/L		104	70 - 130
Carbon tetrachloride	<0.10		10.0	11.0		ug/L		110	70 - 130
Chlorobenzene	<0.20		10.0	9.94		ug/L		99	70 - 130
cis-1,2-Dichloroethene	<0.20		10.0	10.9		ug/L		109	70 - 130
1,2-Dichlorobenzene	<0.20		10.0	11.1		ug/L		111	70 - 130
1,4-Dichlorobenzene	<0.20		10.0	10.8		ug/L		108	70 - 130
1,2-Dichloroethane	<0.20		10.0	10.3		ug/L		103	70 - 130
1,1-Dichloroethene	<0.20		10.0	11.4		ug/L		114	70 - 130
1,2-Dichloropropane	<0.20		10.0	9.97		ug/L		100	70 - 130
Ethylbenzene	<0.20		10.0	9.02		ug/L		90	70 - 130
Methylene Chloride	<0.40		10.0	10.7		ug/L		107	70 - 130
m-Xylene & p-Xylene	<0.50		20.0	19.8		ug/L		99	70 - 130
o-Xylene	<0.20		10.0	9.75		ug/L		98	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-225256-8 MS
Matrix: Water
Analysis Batch: 38457

Client Sample ID: 7911 Deer Run Rd
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Styrene	<0.20		10.0	9.68		ug/L		97	70 - 130
Tetrachloroethene	<0.20		10.0	11.2		ug/L		112	70 - 130
Toluene	<0.20		10.0	9.57		ug/L		96	70 - 130
trans-1,2-Dichloroethene	<0.20		10.0	11.4		ug/L		114	70 - 130
1,2,4-Trichlorobenzene	<0.20		10.0	10.9		ug/L		109	70 - 130
1,1,1-Trichloroethane	<0.20		10.0	11.0		ug/L		110	70 - 130
1,1,2-Trichloroethane	<0.20		10.0	10.5		ug/L		105	70 - 130
Trichloroethene	<0.20		10.0	10.5		ug/L		105	70 - 130
Vinyl chloride	<0.20		10.0	12.4		ug/L		124	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,2-Dichlorobenzene-d4 (Surr)	*111*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Client Sample ID: 7785 Low Rd
Date Collected: 11/08/22 16:20
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	38457	CM	EA SB	11/15/22 16:16
Total/NA	Analysis	Field Sampling		1	685951	JVB	EET CHI	11/08/22 16:20

Client Sample ID: 7734 Highway 14
Date Collected: 11/09/22 11:22
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	38457	CM	EA SB	11/15/22 16:41
Total/NA	Analysis	Field Sampling		1	685951	JVB	EET CHI	11/09/22 11:22

Client Sample ID: 7750 Highway 14
Date Collected: 11/09/22 11:40
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	38457	CM	EA SB	11/15/22 17:06
Total/NA	Analysis	Field Sampling		1	685951	JVB	EET CHI	11/09/22 11:40

Client Sample ID: 4310 Fawn Ct
Date Collected: 11/09/22 12:30
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	38457	CM	EA SB	11/15/22 17:31
Total/NA	Analysis	Field Sampling		1	685951	JVB	EET CHI	11/09/22 12:30

Client Sample ID: 4314 Fawn Ct
Date Collected: 11/09/22 12:46
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	38457	CM	EA SB	11/15/22 17:56
Total/NA	Analysis	Field Sampling		1	685951	JVB	EET CHI	11/09/22 12:46

Client Sample ID: 7873 Deer Run Rd
Date Collected: 11/09/22 13:06
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	38457	CM	EA SB	11/15/22 18:21
Total/NA	Analysis	Field Sampling		1	685951	JVB	EET CHI	11/09/22 13:06

Lab Chronicle

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225256-1

Client Sample ID: 7892 Deer Run Rd
Date Collected: 11/09/22 13:26
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	38457	CM	EA SB	11/15/22 18:46
Total/NA	Analysis	Field Sampling		1	685951	JVB	EET CHI	11/09/22 13:26

Client Sample ID: 7911 Deer Run Rd
Date Collected: 11/09/22 13:42
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	38457	CM	EA SB	11/15/22 19:11
Total/NA	Analysis	Field Sampling		1	685951	JVB	EET CHI	11/09/22 13:42

Client Sample ID: Trip Blank
Date Collected: 11/09/22 00:00
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225256-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	38457	CM	EA SB	11/15/22 15:51

Laboratory References:

EA SB = Eurofins Eaton South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Cedar Corporation
Job ID: 500-225256-1
Project/Site: Refuse Hideaway Landfill

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

Laboratory: Eurofins Eaton South Bend

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999766900	08-31-23

Eurofins Chicago
241 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

Client Information	Sampler: Ashley Wagner	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	500-225256 COC 4
Client Contact: Quin Lenz	Phone: 262 719-5242	E Mail: Sandra Fredrick@et.eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: Cedar Corporation	PWSID:	Analysis Requested		Job #: 500-225256
Address: 1695 Bellevue Street	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: Green Bay	TAT Requested (days):			
State, Zip: WI 54311	Compliance Project: Δ Yes Δ No			
Phone: 920-491-9081(Tel)	PO #: Purchase Order not required			
Email: quin lenz@cedarcorp com	WO #:			
Project Name: Refuse Hideaway Landfill	Project #: 50020134			
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)	8260B - VOC	624.2_Pres_PREC - VOC 524.2	Total Number of containers	Special Instructions/Note
				Preservation Code:				A	A		
1	7785 Low Rd	11-8-22	1620	G	Water	N	N		3		
2	7734 Highway 14	11-9-22	1122		Water				3		
3	7750 Highway 14		1140						3		
4	4310 ~~4300~~ Fawn Ct		1230						3		
5	4314 Fawn Ct		1246						3		
6	7873 Deer Run Rd		1306						3		
7	7892 Deer Run Rd		1326						3		
8	7911 Deer Run Rd		1342						3		
9	Trip Blank	—	~~1340~~ AW						1		

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: Ashley Wagner	Date/Time: 11-9-22 1600	Company: Cedar	Received by:	Date/Time: 11-10-22 0940	Company	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company	
Relinquished by	Date/Time	Company	Received b	Date/Time	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 4.1-7.4.3

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-225256-1

Login Number: 225256
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	4.3
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	

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-225256-1

Login Number: 225256
List Number: 2
Creator: Blackburn, Kelly

List Source: Eurofins Eaton South Bend
List Creation: 11/12/22 10:20 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
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	
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	
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	
Samples do not require splitting or compositing.	True	
Container provided by EEA	False	Client provided containers

Client: WDNR | Project #: 06719-0001
Project: Refuse Hideaway Landfill | Page 1 of 1
Prepared By: Quin Lenz/Ashley Wagner | Date: 11/8/22

Groundwater Purging and Sampling Form

Event:	November 2022		Sampling Company Code:	Cedar	
Location:	Middleton, WI		Sampler(s):	QL / AW	
Well ID:	7785 Low Rd		Sampling Time:	1620	☑ Autofill Time?
Sample ID:	_19000100		Weather:		
Static Water Level:		ft	Purge Method:	Low-flow Stabilization	
Total Depth:		ft	Pump Type:	Bladder Pump	
Water Column Thickness:	0	ft	Pump Intake Depth:		ft
Calculated Well Volume:	0	gal	Purge Rate:		mL/min

Time (24-hr) (hh:mm) ☑ Autofill Time?	Water Level (ft)	pH	Cond (ms/cm)	Temp (C)	D.O. (mg/L)	ORP (mV)	Comments
		Before Pumping					
Start							
1609							3:09PM
1619		7.6	0.99	12.0			
		Post Sampling					

Notes: Purging for 10 minutes

Client: WONR
Project: Refuse Hideaway Landfill
Prepared By: Quin Lenz/Ashley Wagner

Project #: 06719-0001

Date: 11/9/22

Groundwater Purging and Sampling Form

Event:	November 2022	Sampling Company Code:	Cedar
Location:	Middleton, WI	Sampler(s):	QL/AW
Well ID:	7734 WSH	Sampling Time:	1122
Sample ID:	_19000100	Weather:	
Static Water Level:	ft	Purge Method:	Low-flow Stabilization
Total Depth:	ft	Pump Type:	Bladder Pump
Water Column Thickness:	0 ft	Pump Intake Depth:	ft
Calculated Well Volume:	0 gal	Purge Rate:	mL/min

☑ Autofill Tme?

Time (24-hr) (hh:mm) ☑ Autofill Tme?	Water Level (ft)	pH	Cond (ms/cm)	Temp (C)	D.O. (mg/L)	ORP (mV)	Comments
		Before Pumping					
1110		7.5	0.97	14.2			3 GPM
1120							
		Post Sampling					

Notes:

Client: WDNR
Project: Refuse Hideaway Landfill
Prepared By: Quin Lenz/Ashley Wagner

Project #: 06719-0001

Date: 11/9/22

Groundwater Purging and Sampling Form

Event:	November 2022	Sampling Company Code:	Cedar
Location:	Middleton, WI	Sampler(s):	GL/AW
Well ID:	7750 USH 14	Sampling Time:	1140
Sample ID:	_19000100	Weather:	
Static Water Level:	ft	Purge Method:	Low-flow Stabilization
Total Depth:	ft	Pump Type:	Bladder Pump
Water Column Thickness:	0 ft	Pump Intake Depth:	ft
Calculated Well Volume:	0 gal	Purge Rate:	mL/min

☑ Autofill Time?

Time (24-hr) (hh:mm) ☑ Autofill Time?	Water Level (ft)	pH	Cond (ms/cm)	Temp (C)	D.O. (mg/L)	ORP (mV)	Comments
		— Before Pumping —					
Start 1128							
							6.7 GPM
End 1138		8.1	0.78	13.4			
		— Post Sampling —					

Notes: _____

Client: WDNR | Project #: 06719-0001
Project: Refuse Hideaway Landfill | Page 1 of 1
Prepared By: Quin Lenz/Ashley Wagner | Date: 11/9/22

Groundwater Purging and Sampling Form

Event:	November 2022	Sampling Company Code:	Cedar
Location:	Middleton, WI	Sampler(s):	QL/AW
Well ID:	4310 Farm Ct	Sampling Time:	1230
Sample ID:	_19000100	Weather:	
Static Water Level:	ft	Purge Method:	Low-flow Stabilization
Total Depth:	ft	Pump Type:	Bladder Pump
Water Column Thickness:	0 ft	Pump Intake Depth:	ft
Calculated Well Volume:	0 gal	Purge Rate:	mL/min

☑ Autofill Time?

Time (24-hr) (hh:mm) ☑ Autofill Time?	Water Level (ft)	pH	Cond (ms/cm)	Temp (C)	D.O. (mg/L)	ORP (mV)	Comments
		— Before Pumping —					
Start 12:17							1.5 GPM
End 12:27		7.8	0.95	14.8			
		— Post Sampling —					

Notes: _____

Client: WDNR | Project #: 06719-0001

Project: Refuse Hideaway Landfill | Page 1 of 1

Prepared By: Quin Lenz/Ashley Wagner | Date: 11/9/22

Groundwater Purging and Sampling Form

Event:	November 2022	Sampling Company Code:	Cedar	
Location:	Middleton, WI	Sampler(s):	DL/AW	
Well ID:	434 Fawn Ct	Sampling Time:	1246	☑ Autofill Time?
Sample ID:	_19000100	Weather:		
Static Water Level:	ft	Purge Method:	Low-flow Stabilization	
Total Depth:	ft	Pump Type:	Bladder Pump	
Water Column Thickness:	0 ft	Pump Intake Depth:	ft	
Calculated Well Volume:	0 gal	Purge Rate:	mL/min	

Time (24-hr) (hh:mm) ☑ Autofill Time?	Water Level (ft)	pH	Cond (ms/cm)	Temp (C)	D.O. (mg/L)	ORP (mV)	Comments
		— Before Pumping —					
Start 1234							
							7.5 GPM
End 1244		7.6	0.90	13.4			
		— Post Sampling —					

Notes: Water reacting w/ preservative, milky from faucet

Client: WDNR
Project: Refuse Hideaway Landfill
Prepared By: Quin Lenz/Ashley Wagner

Project #: 06719-0001
Page 1 of 1
Date: 11/9/22

Groundwater Purging and Sampling Form

Event:	November 2022	Sampling Company Code:	Cedar
Location:	Middleton, WI	Sampler(s):	QL/AW
Well ID:	7873 Deer Run RD	Sampling Time:	1306
Sample ID:	_19000100	Weather:	
Static Water Level:	ft	Purge Method:	Low-flow Stabilization
Total Depth:	ft	Pump Type:	Bladder Pump
Water Column Thickness:	0 ft	Pump Intake Depth:	ft
Calculated Well Volume:	0 gal	Purge Rate:	mL/min

☑ Autofill Time?

Time (24-hr) (hh:mm) ☑ Autofill Time?	Water Level (ft)	pH	Cond (ms/cm)	Temp (C)	D.O. (mg/L)	ORP (mV)	Comments
		Before Pumping					
1254							2 GPM
1304		7.7	0.88	15.4			
1306							
		Post Sampling					

Notes:

Client: WDNR
Project: Refuse Hideaway Landfill
Prepared By: Quin Lenz/Ashley Wegner

Project #: 06719-0001
Page 1 of 1
Date: 11/9/22

Groundwater Purging and Sampling Form

Event:	November 2022	Sampling Company Code:	Cedar
Location:	Middleton, WI	Sampler(s):	QL/AW
Well ID:	7892 Dup Run #2	Sampling Time:	1326
Sample ID:	_19000100	Weather:	
Static Water Level:	ft	Purge Method:	Low-flow Stabilization
Total Depth:	ft	Pump Type:	Bladder Pump
Water Column Thickness:	0 ft	Pump Intake Depth:	ft
Calculated Well Volume:	0 gal	Purge Rate:	mL/min

☑ Autofill Time?

Time (24-hr) (hh:mm) ☑ Autofill Time?	Water Level (ft)	pH	Cond (ms/cm)	Temp (C)	D.O. (mg/L)	ORP (mV)	Comments
		— Before Pumping —					
1313							
1323		7.6	0.69	15.1			5 GPM
		— Post Sampling —					

Notes: _____

Client: WDNR
Project: Refuse Hideaway Landfill
Prepared By: Quin Lenz/Ashley Wagner

Project #: 06719-0001

Date: 11/9/22

Groundwater Purging and Sampling Form

Event:	November 2022	Sampling Company Code:	Cedar
Location:	Middleton, WI	Sampler(s):	QL/AW
Well ID:	7911 Deer Run Rd	Sampling Time:	1342
Sample ID:	_19000100	Weather:	
Static Water Level:	ft	Purge Method:	Low-flow Stabilization
Total Depth:	ft	Pump Type:	Bladder Pump
Water Column Thickness:	0 ft	Pump Intake Depth:	ft
Calculated Well Volume:	0 gal	Purge Rate:	mL/min

☑ Autofill Time?

Time (24-hr) (hh:mm) ☑ Autofill Time?	Water Level (ft)	pH	Cond (ms/cm)	Temp (C)	D.O. (mg/L)	ORP (mV)	Comments
		— Before Pumping —					
1330							
1340		7.7	0.67	13.5			10 GPM
1342							
		— Post Sampling —					

Notes: _____

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.

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.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dan O'Connell
Cedar Corporation
1695 Bellevue Street
Green Bay, Wisconsin 54311

Generated 11/28/2022 11:57:13 AM

JOB DESCRIPTION

Refuse Hideaway Landfill

JOB NUMBER

500-225219-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

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.

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Authorization

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Authorized for release by
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Job ID: 500-225219-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-225219-1

Comments
No additional comments.

Receipt
The samples were received on 11/10/2022 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 4.5º C.

GC/MS VOA
Method 8260B: Acetone/ Methylene chloride were detected in the following samples: P-27 D (500-225219-3), P-25 D (500-225219-9), P-25 BR (500-225219-10), FD-1 (500-225219-11), P-40 I (500-225219-12), P-40 D (500-225219-13), P-31 IA (500-225219-14), P-31 IB (500-225219-15), P-31 D (500-225219-16), P-30 I (500-225219-17), P-30 D (500-225219-18), P-18 S (500-225219-19), P-23 S (500-225219-21), P-23 D (500-225219-22), P-20 SR (500-225219-23), FD-2 (500-225219-24) and Trip Blank (500-225219-25). 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 500-685459 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 500-685459 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: P-25 D (500-225219-9), P-25 BR (500-225219-10), FD-1 (500-225219-11), P-40 I (500-225219-12), P-40 D (500-225219-13), P-31 IA (500-225219-14), P-31 IB (500-225219-15), P-31 D (500-225219-16), P-30 I (500-225219-17), P-30 D (500-225219-18), P-18 S (500-225219-19) and P-20 SR (500-225219-23).

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: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-26 S — Lab Sample ID: 500-225219-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.2	J	3.0	0.67	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.4		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.22	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.47	J	0.50	0.16	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.51	J	1.0	0.43	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	221.26				ft	1		Field Sampling	Total/NA
Field Conductivity	2100				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	40.1				%	1		Field Sampling	Total/NA
Field pH	6.97				SU	1		Field Sampling	Total/NA
Field Temperature	11.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	201.9				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	237.6				ft	1		Field Sampling	Total/NA

Client Sample ID: P-27 S — Lab Sample ID: 500-225219-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.3		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.36	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.26	J	0.50	0.16	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	174.14				ft	1		Field Sampling	Total/NA
Field Color	Y				NONE	1		Field Sampling	Total/NA
Field Conductivity	932				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	34.1				%	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	6.75				SU	1		Field Sampling	Total/NA
Field Temperature	10.4				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	Y				NONE	1		Field Sampling	Total/NA
Oxidation Reduction Potential	170.4				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	188.8				ft	1		Field Sampling	Total/NA

Client Sample ID: P-27 D — Lab Sample ID: 500-225219-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	1.7	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.41	ug/L	1		8260B	Total/NA
Dichlorodifluoromethane	1.2	J	3.0	0.67	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.75	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	11		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.29	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.8		0.50	0.16	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.74	J	1.0	0.43	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	174.74				ft	1		Field Sampling	Total/NA
Field Conductivity	962				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	10.1				%	1		Field Sampling	Total/NA
Field pH	6.84				SU	1		Field Sampling	Total/NA
Field Temperature	23.0				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-66.5				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	188.8				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-43 S — Lab Sample ID: 500-225219-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.28	J	0.50	0.15	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	192.2				ft	1		Field Sampling	Total/NA
Field Conductivity	645				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	7.45				%	1		Field Sampling	Total/NA
Field pH	7.45				SU	1		Field Sampling	Total/NA
Field Temperature	9.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	125.5				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	205.7				ft	1		Field Sampling	Total/NA

Client Sample ID: P-43 I — Lab Sample ID: 500-225219-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.28	J	0.50	0.15	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	191.84				ft	1		Field Sampling	Total/NA
Field Conductivity	651				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	84.3				%	1		Field Sampling	Total/NA
Field pH	7.47				SU	1		Field Sampling	Total/NA
Field Temperature	9.3				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	338.8				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	233.3				ft	1		Field Sampling	Total/NA

Client Sample ID: P-43 D — Lab Sample ID: 500-225219-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.32	J	0.50	0.15	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	191.51				ft	1		Field Sampling	Total/NA
Field Conductivity	573				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	7.7				%	1		Field Sampling	Total/NA
Field pH	7.02				SU	1		Field Sampling	Total/NA
Field Temperature	8.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	16.8				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	283.61				ft	1		Field Sampling	Total/NA

Client Sample ID: P-22 D — Lab Sample ID: 500-225219-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.0		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	0.52		0.50	0.16	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	173.65				ft	1		Field Sampling	Total/NA
Field Conductivity	637				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	8.4				%	1		Field Sampling	Total/NA
Field pH	6.90				SU	1		Field Sampling	Total/NA
Field Temperature	10.4				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	-151.5				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	217.2				ft	1		Field Sampling	Total/NA

Client Sample ID: P-22 E — Lab Sample ID: 500-225219-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.6		1.0	0.41	ug/L	1		8260B	Total/NA
Dichlorodifluoromethane	1.7	J	3.0	0.67	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	0.59	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	4.4		1.0	0.37	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P-22 E (Continued) — Lab Sample ID: 500-225219-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.30	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.6		0.50	0.16	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.68	J	1.0	0.43	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	174.42				ft	1		Field Sampling	Total/NA
Field Conductivity	575				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	36.6				%	1		Field Sampling	Total/NA
Field pH	7.45				SU	1		Field Sampling	Total/NA
Field Temperature	9.8				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	231.5				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	273.00				ft	1		Field Sampling	Total/NA

Client Sample ID: P-25 D — Lab Sample ID: 500-225219-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.6	J B	10	1.7	ug/L	1		8260B	Total/NA
Chlorobenzene	0.39	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.18	J	0.50	0.15	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	26.22				ft	1		Field Sampling	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	624				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	48.6				%	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.35				SU	1		Field Sampling	Total/NA
Field Temperature	11.1				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Oxidation Reduction Potential	61.2				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	96.3				ft	1		Field Sampling	Total/NA

Client Sample ID: P-25 BR — Lab Sample ID: 500-225219-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	J B	10	1.7	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.2		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	25.25				ft	1		Field Sampling	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	650				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	68.1				%	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.50				SU	1		Field Sampling	Total/NA
Field Temperature	11.1				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Oxidation Reduction Potential	217.0				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	140.3				ft	1		Field Sampling	Total/NA

Client Sample ID: FD-1 — Lab Sample ID: 500-225219-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.0	J B	10	1.7	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.0		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.30	J	0.50	0.15	ug/L	1		8260B	Total/NA
1,2,3-Trichlorobenzene	0.46	J	1.0	0.46	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: FD-1 (Continued) — Lab Sample ID: 500-225219-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	0.43	J	1.0	0.34	ug/L	1		8260B	Total/NA

Client Sample ID: P-40 I — Lab Sample ID: 500-225219-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J B	10	1.7	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.6		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.5		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.0		0.50	0.16	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	10.29				ft	1		Field Sampling	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	732				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	52.7				%	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.26				SU	1		Field Sampling	Total/NA
Field Temperature	9.8				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Oxidation Reduction Potential	110.5				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	104.8				ft	1		Field Sampling	Total/NA

Client Sample ID: P-40 D — Lab Sample ID: 500-225219-13

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J B	10	1.7	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.81	J	1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.26	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.28	J	0.50	0.16	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	11.53				ft	1		Field Sampling	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	598				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	78.3				%	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.50				SU	1		Field Sampling	Total/NA
Field Temperature	10.4				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Oxidation Reduction Potential	216.7				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	255.2				ft	1		Field Sampling	Total/NA

Client Sample ID: P-31 IA — Lab Sample ID: 500-225219-14

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.6	J B	10	1.7	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.78	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.9		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.23	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.79		0.50	0.16	ug/L	1		8260B	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	834				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	20.2				%	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.19				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P-31 IA (Continued) — Lab Sample ID: 500-225219-14

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Field Temperature	11.2				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Oxidation Reduction Potential	61.6				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	95.6				ft	1		Field Sampling	Total/NA

Client Sample ID: P-31 IB — Lab Sample ID: 500-225219-15

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.2	J B	10	1.7	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.93	J	1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.8		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.20	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.88		0.50	0.16	ug/L	1		8260B	Total/NA
Field Conductivity	855				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	42.9				%	1		Field Sampling	Total/NA
Field pH	7.60				SU	1		Field Sampling	Total/NA
Field Temperature	11.5				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	132.4				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	135.7				ft	1		Field Sampling	Total/NA

Client Sample ID: P-31 D — Lab Sample ID: 500-225219-16

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.2	J B	10	1.7	ug/L	1		8260B	Total/NA
Toluene	0.20	J	0.50	0.15	ug/L	1		8260B	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	573				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	82.2				%	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.55				SU	1		Field Sampling	Total/NA
Field Temperature	10.3				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Oxidation Reduction Potential	215.0				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	258.2				ft	1		Field Sampling	Total/NA

Client Sample ID: P-30 I — Lab Sample ID: 500-225219-17

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J B	10	1.7	ug/L	1		8260B	Total/NA
Toluene	0.22	J	0.50	0.15	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	19.75				ft	1		Field Sampling	Total/NA
Field Conductivity	690				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	85.9				%	1		Field Sampling	Total/NA
Field pH	7.49				SU	1		Field Sampling	Total/NA
Field Temperature	9.5				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	148.8				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	142.3				ft	1		Field Sampling	Total/NA

Client Sample ID: P-30 D — Lab Sample ID: 500-225219-18

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.6	J B	10	1.7	ug/L	1		8260B	Total/NA
Toluene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P-30 D (Continued) — Lab Sample ID: 500-225219-18

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Depth to Water (ft from MP)	21.7				ft	1		Field Sampling	Total/NA
Field Conductivity	502				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	61.9				%	1		Field Sampling	Total/NA
Field pH	7.58				SU	1		Field Sampling	Total/NA
Field Temperature	9.6				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	61.8				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	289.5				ft	1		Field Sampling	Total/NA

Client Sample ID: P-18 S — Lab Sample ID: 500-225219-19

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.3	J B	10	1.7	ug/L	1		8260B	Total/NA
Tetrachloroethene	7.0		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.22	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.61		0.50	0.16	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	96.61				ft	1		Field Sampling	Total/NA
Field Conductivity	725				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	84.6				%	1		Field Sampling	Total/NA
Field pH	7.34				SU	1		Field Sampling	Total/NA
Field Temperature	11.3				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	115.6				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	107.2				ft	1		Field Sampling	Total/NA

Client Sample ID: P-17 S — Lab Sample ID: 500-225219-20

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	0.41	ug/L	1		8260B	Total/NA
Methylene Chloride	2.9	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.2		1.0	0.37	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	144.95				ft	1		Field Sampling	Total/NA
Field Conductivity	1112				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	24.3				%	1		Field Sampling	Total/NA
Field pH	6.69				SU	1		Field Sampling	Total/NA
Field Temperature	11.5				Degrees C	1		Field Sampling	Total/NA
Oxidation Reduction Potential	162.7				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	158.8				ft	1		Field Sampling	Total/NA

Client Sample ID: P-23 S — Lab Sample ID: 500-225219-21

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.0	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.73	J	1.0	0.37	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	38.06				ft	1		Field Sampling	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	613				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	87.1				%	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.33				SU	1		Field Sampling	Total/NA
Field Temperature	10.7				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Oxidation Reduction Potential	158.8				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	48.1				ft	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-23 D — Lab Sample ID: 500-225219-22

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.3	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
Depth to Water (ft from MP)	37.59				ft	1		Field Sampling	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	581				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	86.7				%	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.50				SU	1		Field Sampling	Total/NA
Field Temperature	10.3				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Oxidation Reduction Potential	154.6				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	80.1				ft	1		Field Sampling	Total/NA

Client Sample ID: P-20 SR — Lab Sample ID: 500-225219-23

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.2	J B	10	1.7	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.5		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.26	J	0.50	0.15	ug/L	1		8260B	Total/NA
Depth to Water (ft from MP)	37.33				ft	1		Field Sampling	Total/NA
Field Color	N				NONE	1		Field Sampling	Total/NA
Field Conductivity	599				umhos/cm	1		Field Sampling	Total/NA
Field Dissolved Oxygen	135.8				%	1		Field Sampling	Total/NA
Field Odor	N				NONE	1		Field Sampling	Total/NA
Field pH	7.63				SU	1		Field Sampling	Total/NA
Field Temperature	10.9				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	N				NONE	1		Field Sampling	Total/NA
Oxidation Reduction Potential	180.1				millivolts	1		Field Sampling	Total/NA
Well bottom elevation	66.3				ft	1		Field Sampling	Total/NA

Client Sample ID: FD-2 — Lab Sample ID: 500-225219-24

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.8	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-225219-25

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
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: Refuse Hideaway Landfill

Job ID: 500-225219-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
Field Sampling	Field Sampling	EPA	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

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: Refuse Hideaway Landfill

Job ID: 500-225219-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-225219-1	P-26 S	Water	11/07/22 14:20	11/10/22 09:40
500-225219-2	P-27 S	Water	11/07/22 16:05	11/10/22 09:40
500-225219-3	P-27 D	Water	11/07/22 15:45	11/10/22 09:40
500-225219-4	P-43 S	Water	11/08/22 08:27	11/10/22 09:40
500-225219-5	P-43 I	Water	11/08/22 08:37	11/10/22 09:40
500-225219-6	P-43 D	Water	11/08/22 09:47	11/10/22 09:40
500-225219-7	P-22 D	Water	11/08/22 10:35	11/10/22 09:40
500-225219-8	P-22 E	Water	11/08/22 10:37	11/10/22 09:40
500-225219-9	P-25 D	Water	11/08/22 11:40	11/10/22 09:40
500-225219-10	P-25 BR	Water	11/08/22 11:35	11/10/22 09:40
500-225219-11	FD-1	Water	11/08/22 00:00	11/10/22 09:40
500-225219-12	P-40 I	Water	11/08/22 12:33	11/10/22 09:40
500-225219-13	P-40 D	Water	11/08/22 12:35	11/10/22 09:40
500-225219-14	P-31 IA	Water	11/08/22 14:12	11/10/22 09:40
500-225219-15	P-31 IB	Water	11/08/22 14:58	11/10/22 09:40
500-225219-16	P-31 D	Water	11/08/22 14:20	11/10/22 09:40
500-225219-17	P-30 I	Water	11/08/22 15:40	11/10/22 09:40
500-225219-18	P-30 D	Water	11/08/22 15:47	11/10/22 09:40
500-225219-19	P-18 S	Water	11/09/22 07:26	11/10/22 09:40
500-225219-20	P-17 S	Water	11/09/22 08:18	11/10/22 09:40
500-225219-21	P-23 S	Water	11/09/22 09:06	11/10/22 09:40
500-225219-22	P-23 D	Water	11/09/22 09:10	11/10/22 09:40
500-225219-23	P-20 SR	Water	11/09/22 10:25	11/10/22 09:40
500-225219-24	FD-2	Water	11/09/22 00:00	11/10/22 09:40
500-225219-25	Trip Blank	Water	11/07/22 00:00	11/10/22 09:40

Client Sample ID: P-26 S
Date Collected: 11/07/22 14:20
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-1
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			11/17/22 16:13	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 16:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 16:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 16:13	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 16:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/17/22 16:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 16:13	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 16:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 16:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 16:13	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 16:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 16:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 16:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 16:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 16:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 16:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 16:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 16:13	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 16:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 16:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
Dichlorodifluoromethane	**1.2**	**J**	3.0	0.67	ug/L			11/17/22 16:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 16:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 16:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 16:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 16:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 16:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 16:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 16:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 16:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 16:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 16:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:13	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 16:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 16:13	1
Tetrachloroethene	**5.4**		1.0	0.37	ug/L			11/17/22 16:13	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-26 S
Date Collected: 11/07/22 14:20
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-1
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			11/17/22 16:13	1
Toluene	**0.22**	**J**	0.50	0.15	ug/L			11/17/22 16:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 16:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 16:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 16:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 16:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 16:13	1
Trichloroethene	**0.47**	**J**	0.50	0.16	ug/L			11/17/22 16:13	1
Trichlorofluoromethane	**0.51**	**J**	1.0	0.43	ug/L			11/17/22 16:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 16:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 16:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 16:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*11/17/22 16:13*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*11/17/22 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*11/17/22 16:13*	*1*
Toluene-d8 (Surr)	*106*		*75 - 120*		*11/17/22 16:13*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**221.26**				ft			11/07/22 14:20	1
Field Conductivity	**2100**				umhos/cm			11/07/22 14:20	1
Field Dissolved Oxygen	**40.1**				%			11/07/22 14:20	1
Field pH	**6.97**				SU			11/07/22 14:20	1
Field Temperature	**11.6**				Degrees C			11/07/22 14:20	1
Oxidation Reduction Potential	**201.9**				millivolts			11/07/22 14:20	1
Well bottom elevation	**237.6**				ft			11/07/22 14:20	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-27 S
Date Collected: 11/07/22 16:05
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-2
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			11/17/22 16:35	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 16:35	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 16:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 16:35	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 16:35	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/17/22 16:35	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 16:35	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 16:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 16:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:35	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 16:35	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 16:35	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 16:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 16:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 16:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 16:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 16:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 16:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 16:35	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 16:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 16:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 16:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 16:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 16:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 16:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 16:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 16:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 16:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 16:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 16:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 16:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 16:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 16:35	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 16:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 16:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 16:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 16:35	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 16:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:35	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 16:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 16:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 16:35	1
Tetrachloroethene	**2.3**		1.0	0.37	ug/L			11/17/22 16:35	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-27 S
Date Collected: 11/07/22 16:05
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-2
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			11/17/22 16:35	1
Toluene	**0.36**	**J**	0.50	0.15	ug/L			11/17/22 16:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 16:35	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 16:35	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 16:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 16:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 16:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 16:35	1
Trichloroethene	**0.26**	**J**	0.50	0.16	ug/L			11/17/22 16:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 16:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 16:35	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 16:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 16:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*11/17/22 16:35*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*11/17/22 16:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*11/17/22 16:35*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*11/17/22 16:35*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**174.14**				ft			11/07/22 16:05	1
Field Color	**Y**				NONE			11/07/22 16:05	1
Field Conductivity	**932**				umhos/cm			11/07/22 16:05	1
Field Dissolved Oxygen	**34.1**				%			11/07/22 16:05	1
Field Odor	**N**				NONE			11/07/22 16:05	1
Field pH	**6.75**				SU			11/07/22 16:05	1
Field Temperature	**10.4**				Degrees C			11/07/22 16:05	1
Field Turbidity	**Y**				NONE			11/07/22 16:05	1
Oxidation Reduction Potential	**170.4**				millivolts			11/07/22 16:05	1
Well bottom elevation	**188.8**				ft			11/07/22 16:05	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-27 D

Date Collected: 11/07/22 15:45
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-3

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.4**	**J**	10	1.7	ug/L			11/17/22 16:58	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 16:58	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:58	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 16:58	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 16:58	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 16:58	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/17/22 16:58	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 16:58	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 16:58	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 16:58	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:58	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 16:58	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 16:58	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 16:58	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 16:58	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 16:58	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.41	ug/L			11/17/22 16:58	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 16:58	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 16:58	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 16:58	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 16:58	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 16:58	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 16:58	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:58	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:58	1
Dichlorodifluoromethane	**1.2**	**J**	3.0	0.67	ug/L			11/17/22 16:58	1
1,1-Dichloroethane	**0.75**	**J**	1.0	0.41	ug/L			11/17/22 16:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 16:58	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 16:58	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 16:58	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 16:58	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 16:58	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 16:58	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 16:58	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 16:58	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:58	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 16:58	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 16:58	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 16:58	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 16:58	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:58	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 16:58	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 16:58	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:58	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 16:58	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:58	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 16:58	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 16:58	1
Tetrachloroethene	**11**		1.0	0.37	ug/L			11/17/22 16:58	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-27 D
Date Collected: 11/07/22 15:45
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-3
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			11/17/22 16:58	1
Toluene	**0.29**	**J**	0.50	0.15	ug/L			11/17/22 16:58	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 16:58	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 16:58	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 16:58	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 16:58	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 16:58	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 16:58	1
Trichloroethene	**1.8**		0.50	0.16	ug/L			11/17/22 16:58	1
Trichlorofluoromethane	**0.74**	**J**	1.0	0.43	ug/L			11/17/22 16:58	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 16:58	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:58	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 16:58	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 16:58	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*72 - 124*		*11/17/22 16:58*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*11/17/22 16:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*11/17/22 16:58*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*11/17/22 16:58*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**174.74**				ft			11/07/22 15:45	1
Field Conductivity	**962**				umhos/cm			11/07/22 15:45	1
Field Dissolved Oxygen	**10.1**				%			11/07/22 15:45	1
Field pH	**6.84**				SU			11/07/22 15:45	1
Field Temperature	**23.0**				Degrees C			11/07/22 15:45	1
Oxidation Reduction Potential	**-66.5**				millivolts			11/07/22 15:45	1
Well bottom elevation	**188.8**				ft			11/07/22 15:45	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-43 S
Date Collected: 11/08/22 08:27
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-4
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			11/17/22 17:21	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 17:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 17:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 17:21	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 17:21	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/17/22 17:21	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 17:21	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 17:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 17:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 17:21	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 17:21	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 17:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 17:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 17:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 17:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 17:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 17:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 17:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 17:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 17:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 17:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 17:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 17:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 17:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 17:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 17:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 17:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 17:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 17:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 17:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 17:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 17:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 17:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 17:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 17:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 17:21	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 17:21	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:21	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 17:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:21	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 17:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 17:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/17/22 17:21	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-43 S
Date Collected: 11/08/22 08:27
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-4
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			11/17/22 17:21	1
Toluene	**0.28**	**J**	0.50	0.15	ug/L			11/17/22 17:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 17:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 17:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 17:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 17:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 17:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 17:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 17:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 17:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 17:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 17:21	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 17:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*72 - 124*		*11/17/22 17:21*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*11/17/22 17:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*11/17/22 17:21*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*11/17/22 17:21*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**192.2**				ft			11/08/22 08:27	1
Field Conductivity	**645**				umhos/cm			11/08/22 08:27	1
Field Dissolved Oxygen	**7.45**				%			11/08/22 08:27	1
Field pH	**7.45**				SU			11/08/22 08:27	1
Field Temperature	**9.4**				Degrees C			11/08/22 08:27	1
Oxidation Reduction Potential	**125.5**				millivolts			11/08/22 08:27	1
Well bottom elevation	**205.7**				ft			11/08/22 08:27	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-43 I
Date Collected: 11/08/22 08:37
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-5
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			11/17/22 17:44	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 17:44	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:44	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 17:44	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 17:44	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 17:44	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/17/22 17:44	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 17:44	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 17:44	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 17:44	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:44	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 17:44	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 17:44	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 17:44	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 17:44	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 17:44	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 17:44	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 17:44	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 17:44	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 17:44	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 17:44	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 17:44	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 17:44	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:44	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:44	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 17:44	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 17:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 17:44	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 17:44	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 17:44	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 17:44	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 17:44	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 17:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 17:44	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 17:44	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:44	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 17:44	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 17:44	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 17:44	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 17:44	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:44	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 17:44	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 17:44	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:44	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 17:44	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:44	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 17:44	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 17:44	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/17/22 17:44	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-43 I
Date Collected: 11/08/22 08:37
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-5
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			11/17/22 17:44	1
Toluene	**0.28**	**J**	0.50	0.15	ug/L			11/17/22 17:44	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 17:44	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 17:44	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 17:44	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 17:44	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 17:44	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 17:44	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 17:44	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 17:44	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 17:44	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:44	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 17:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 17:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*11/17/22 17:44*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*11/17/22 17:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*11/17/22 17:44*	*1*
Toluene-d8 (Surr)	*109*		*75 - 120*		*11/17/22 17:44*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**191.84**				ft			11/08/22 08:37	1
Field Conductivity	**651**				umhos/cm			11/08/22 08:37	1
Field Dissolved Oxygen	**84.3**				%			11/08/22 08:37	1
Field pH	**7.47**				SU			11/08/22 08:37	1
Field Temperature	**9.3**				Degrees C			11/08/22 08:37	1
Oxidation Reduction Potential	**338.8**				millivolts			11/08/22 08:37	1
Well bottom elevation	**233.3**				ft			11/08/22 08:37	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-43 D
Date Collected: 11/08/22 09:47
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-6
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			11/17/22 18:06	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 18:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 18:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 18:06	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 18:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/17/22 18:06	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 18:06	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 18:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 18:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 18:06	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 18:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 18:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 18:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 18:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 18:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 18:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 18:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 18:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 18:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 18:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 18:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 18:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 18:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 18:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 18:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 18:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 18:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 18:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 18:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 18:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 18:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 18:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 18:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 18:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 18:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 18:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 18:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:06	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 18:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 18:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 18:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/17/22 18:06	1

Client Sample ID: P-43 D
Date Collected: 11/08/22 09:47
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-6
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			11/17/22 18:06	1
Toluene	**0.32**	**J**	0.50	0.15	ug/L			11/17/22 18:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 18:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 18:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 18:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 18:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 18:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 18:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 18:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 18:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 18:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 18:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 18:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*72 - 124*		*11/17/22 18:06*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*11/17/22 18:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*11/17/22 18:06*	*1*
Toluene-d8 (Surr)	*109*		*75 - 120*		*11/17/22 18:06*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**191.51**				ft			11/08/22 09:47	1
Field Conductivity	**573**				umhos/cm			11/08/22 09:47	1
Field Dissolved Oxygen	**7.7**				%			11/08/22 09:47	1
Field pH	**7.02**				SU			11/08/22 09:47	1
Field Temperature	**8.6**				Degrees C			11/08/22 09:47	1
Oxidation Reduction Potential	**16.8**				millivolts			11/08/22 09:47	1
Well bottom elevation	**283.61**				ft			11/08/22 09:47	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-22 D
Date Collected: 11/08/22 10:35
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-7
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			11/17/22 18:29	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 18:29	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:29	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 18:29	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 18:29	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 18:29	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/17/22 18:29	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 18:29	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 18:29	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 18:29	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:29	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 18:29	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 18:29	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 18:29	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 18:29	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 18:29	1
cis-1,2-Dichloroethene	**1.0**		1.0	0.41	ug/L			11/17/22 18:29	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 18:29	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 18:29	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 18:29	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 18:29	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 18:29	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 18:29	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:29	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:29	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 18:29	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 18:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 18:29	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 18:29	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 18:29	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 18:29	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 18:29	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 18:29	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 18:29	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 18:29	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:29	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 18:29	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 18:29	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 18:29	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 18:29	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:29	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 18:29	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 18:29	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:29	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 18:29	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:29	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 18:29	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 18:29	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/17/22 18:29	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-22 D
Date Collected: 11/08/22 10:35
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-7
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			11/17/22 18:29	1
Toluene	<0.15		0.50	0.15	ug/L			11/17/22 18:29	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 18:29	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 18:29	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 18:29	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 18:29	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 18:29	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 18:29	1
Trichloroethene	**0.52**		0.50	0.16	ug/L			11/17/22 18:29	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 18:29	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 18:29	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:29	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 18:29	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 18:29	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*72 - 124*		*11/17/22 18:29*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*11/17/22 18:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*11/17/22 18:29*	*1*
Toluene-d8 (Surr)	*110*		*75 - 120*		*11/17/22 18:29*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**173.65**				ft			11/08/22 10:35	1
Field Conductivity	**637**				umhos/cm			11/08/22 10:35	1
Field Dissolved Oxygen	**8.4**				%			11/08/22 10:35	1
Field pH	**6.90**				SU			11/08/22 10:35	1
Field Temperature	**10.4**				Degrees C			11/08/22 10:35	1
Oxidation Reduction Potential	**-151.5**				millivolts			11/08/22 10:35	1
Well bottom elevation	**217.2**				ft			11/08/22 10:35	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-22 E
Date Collected: 11/08/22 10:37
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-8
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			11/17/22 18:53	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 18:53	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 18:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 18:53	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 18:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/17/22 18:53	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 18:53	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 18:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 18:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 18:53	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 18:53	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 18:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 18:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 18:53	1
cis-1,2-Dichloroethene	**3.6**		1.0	0.41	ug/L			11/17/22 18:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 18:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 18:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 18:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 18:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 18:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 18:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:53	1
Dichlorodifluoromethane	**1.7**	**J**	3.0	0.67	ug/L			11/17/22 18:53	1
1,1-Dichloroethane	**0.59**	**J**	1.0	0.41	ug/L			11/17/22 18:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 18:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 18:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 18:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 18:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 18:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 18:53	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 18:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 18:53	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 18:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 18:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 18:53	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 18:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 18:53	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 18:53	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:53	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 18:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:53	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 18:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 18:53	1
Tetrachloroethene	**4.4**		1.0	0.37	ug/L			11/17/22 18:53	1

Client Sample ID: P-22 E
Date Collected: 11/08/22 10:37
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-8
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			11/17/22 18:53	1
Toluene	**0.30**	**J**	0.50	0.15	ug/L			11/17/22 18:53	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 18:53	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 18:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 18:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 18:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 18:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 18:53	1
Trichloroethene	**1.6**		0.50	0.16	ug/L			11/17/22 18:53	1
Trichlorofluoromethane	**0.68**	**J**	1.0	0.43	ug/L			11/17/22 18:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 18:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:53	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 18:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 18:53	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*72 - 124*		*11/17/22 18:53*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*11/17/22 18:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*11/17/22 18:53*	*1*
Toluene-d8 (Surr)	*109*		*75 - 120*		*11/17/22 18:53*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**174.42**				ft			11/08/22 10:37	1
Field Conductivity	**575**				umhos/cm			11/08/22 10:37	1
Field Dissolved Oxygen	**36.6**				%			11/08/22 10:37	1
Field pH	**7.45**				SU			11/08/22 10:37	1
Field Temperature	**9.8**				Degrees C			11/08/22 10:37	1
Oxidation Reduction Potential	**231.5**				millivolts			11/08/22 10:37	1
Well bottom elevation	**273.00**				ft			11/08/22 10:37	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-25 D
Date Collected: 11/08/22 11:40
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-9
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7.6**	**J B**	10	1.7	ug/L			11/17/22 14:13	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 14:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 14:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 14:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 14:13	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 14:13	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 14:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 14:13	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 14:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 14:13	1
Chlorobenzene	**0.39**	**J**	1.0	0.39	ug/L			11/17/22 14:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 14:13	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 14:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 14:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 14:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 14:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 14:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 14:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 14:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 14:13	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 14:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 14:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 14:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 14:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 14:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 14:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 14:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 14:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 14:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 14:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 14:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 14:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 14:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 14:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 14:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 14:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 14:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 14:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 14:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 14:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 14:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 14:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 14:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 14:13	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 14:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 14:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 14:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 14:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/17/22 14:13	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-25 D

Date Collected: 11/08/22 11:40
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-9

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			11/17/22 14:13	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			11/17/22 14:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 14:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 14:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 14:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 14:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 14:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 14:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 14:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 14:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 14:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 14:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 14:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 14:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*		*11/17/22 14:13*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*11/17/22 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*11/17/22 14:13*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*11/17/22 14:13*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**26.22**				ft			11/08/22 11:40	1
Field Color	**N**				NONE			11/08/22 11:40	1
Field Conductivity	**624**				umhos/cm			11/08/22 11:40	1
Field Dissolved Oxygen	**48.6**				%			11/08/22 11:40	1
Field Odor	**N**				NONE			11/08/22 11:40	1
Field pH	**7.35**				SU			11/08/22 11:40	1
Field Temperature	**11.1**				Degrees C			11/08/22 11:40	1
Field Turbidity	**N**				NONE			11/08/22 11:40	1
Oxidation Reduction Potential	**61.2**				millivolts			11/08/22 11:40	1
Well bottom elevation	**96.3**				ft			11/08/22 11:40	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-25 BR

Date Collected: 11/08/22 11:35
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-10

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 B**	10	1.7	ug/L			11/17/22 14:37	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 14:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 14:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 14:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 14:37	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 14:37	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 14:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 14:37	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 14:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 14:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 14:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 14:37	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 14:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 14:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 14:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 14:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 14:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 14:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 14:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 14:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 14:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 14:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 14:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 14:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 14:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 14:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 14:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 14:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 14:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 14:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 14:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 14:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 14:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 14:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 14:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 14:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 14:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 14:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 14:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 14:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 14:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 14:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 14:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 14:37	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 14:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 14:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 14:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 14:37	1
Tetrachloroethene	**1.2**		1.0	0.37	ug/L			11/17/22 14:37	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-25 BR

Date Collected: 11/08/22 11:35
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-10

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			11/17/22 14:37	1
Toluene	**0.17**	**J**	0.50	0.15	ug/L			11/17/22 14:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 14:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 14:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 14:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 14:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 14:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 14:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 14:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 14:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 14:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 14:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 14:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 14:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*		*11/17/22 14:37*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*11/17/22 14:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*11/17/22 14:37*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*11/17/22 14:37*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**25.25**				ft			11/08/22 11:35	1
Field Color	**N**				NONE			11/08/22 11:35	1
Field Conductivity	**650**				umhos/cm			11/08/22 11:35	1
Field Dissolved Oxygen	**68.1**				%			11/08/22 11:35	1
Field Odor	**N**				NONE			11/08/22 11:35	1
Field pH	**7.50**				SU			11/08/22 11:35	1
Field Temperature	**11.1**				Degrees C			11/08/22 11:35	1
Field Turbidity	**N**				NONE			11/08/22 11:35	1
Oxidation Reduction Potential	**217.0**				millivolts			11/08/22 11:35	1
Well bottom elevation	**140.3**				ft			11/08/22 11:35	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: FD-1

Date Collected: 11/08/22 00:00
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-11

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**5.0**	**J B**	10	1.7	ug/L			11/17/22 15:00	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 15:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 15:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 15:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 15:00	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 15:00	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 15:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 15:00	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 15:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 15:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 15:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 15:00	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 15:00	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 15:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 15:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 15:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 15:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 15:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 15:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 15:00	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 15:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 15:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 15:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 15:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 15:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 15:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 15:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 15:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 15:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 15:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 15:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 15:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 15:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 15:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 15:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 15:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 15:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 15:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 15:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 15:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 15:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 15:00	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 15:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 15:00	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 15:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 15:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 15:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 15:00	1
Tetrachloroethene	**1.0**		1.0	0.37	ug/L			11/17/22 15:00	1

Client Sample ID: FD-1
Date Collected: 11/08/22 00:00
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-11
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			11/17/22 15:00	1
Toluene	**0.30**	**J**	0.50	0.15	ug/L			11/17/22 15:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 15:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 15:00	1
1,2,3-Trichlorobenzene	**0.46**	**J**	1.0	0.46	ug/L			11/17/22 15:00	1
1,2,4-Trichlorobenzene	**0.43**	**J**	1.0	0.34	ug/L			11/17/22 15:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 15:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 15:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 15:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 15:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 15:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 15:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 15:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 15:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*		*11/17/22 15:00*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*11/17/22 15:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*11/17/22 15:00*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*11/17/22 15:00*	*1*

Client Sample ID: P-40 I
Date Collected: 11/08/22 12:33
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-12
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.7**	**J B**	10	1.7	ug/L			11/17/22 16:13	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 16:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 16:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 16:13	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 16:13	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 16:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 16:13	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 16:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 16:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 16:13	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 16:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 16:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 16:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 16:13	1
cis-1,2-Dichloroethene	**1.6**		1.0	0.41	ug/L			11/17/22 16:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 16:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 16:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 16:13	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 16:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 16:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 16:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 16:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 16:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 16:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 16:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 16:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 16:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 16:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 16:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 16:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 16:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:13	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 16:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 16:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 16:13	1
Tetrachloroethene	**3.5**		1.0	0.37	ug/L			11/17/22 16:13	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-40 I
Date Collected: 11/08/22 12:33
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-12
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			11/17/22 16:13	1
Toluene	**0.16**	**J**	0.50	0.15	ug/L			11/17/22 16:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 16:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 16:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 16:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 16:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 16:13	1
Trichloroethene	**1.0**		0.50	0.16	ug/L			11/17/22 16:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 16:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 16:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 16:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 16:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*		*11/17/22 16:13*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*11/17/22 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*11/17/22 16:13*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*11/17/22 16:13*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**10.29**				ft			11/08/22 12:33	1
Field Color	**N**				NONE			11/08/22 12:33	1
Field Conductivity	**732**				umhos/cm			11/08/22 12:33	1
Field Dissolved Oxygen	**52.7**				%			11/08/22 12:33	1
Field Odor	**N**				NONE			11/08/22 12:33	1
Field pH	**7.26**				SU			11/08/22 12:33	1
Field Temperature	**9.8**				Degrees C			11/08/22 12:33	1
Field Turbidity	**N**				NONE			11/08/22 12:33	1
Oxidation Reduction Potential	**110.5**				millivolts			11/08/22 12:33	1
Well bottom elevation	**104.8**				ft			11/08/22 12:33	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-40 D
Date Collected: 11/08/22 12:35
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-13
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.7**	**J B**	10	1.7	ug/L			11/17/22 16:37	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 16:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 16:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 16:37	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 16:37	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 16:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 16:37	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 16:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 16:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 16:37	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 16:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 16:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 16:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 16:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 16:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 16:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 16:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 16:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 16:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 16:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 16:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 16:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 16:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 16:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 16:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 16:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 16:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 16:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 16:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 16:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 16:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 16:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 16:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 16:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 16:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 16:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 16:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 16:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:37	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 16:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 16:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 16:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 16:37	1
Tetrachloroethene	**0.81**	**J**	1.0	0.37	ug/L			11/17/22 16:37	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-40 D
Date Collected: 11/08/22 12:35
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-13
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			11/17/22 16:37	1
Toluene	**0.26**	**J**	0.50	0.15	ug/L			11/17/22 16:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 16:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 16:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 16:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 16:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 16:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 16:37	1
Trichloroethene	**0.28**	**J**	0.50	0.16	ug/L			11/17/22 16:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 16:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 16:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 16:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 16:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 16:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*11/17/22 16:37*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*11/17/22 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*11/17/22 16:37*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*11/17/22 16:37*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**11.53**				ft			11/08/22 12:35	1
Field Color	**N**				NONE			11/08/22 12:35	1
Field Conductivity	**598**				umhos/cm			11/08/22 12:35	1
Field Dissolved Oxygen	**78.3**				%			11/08/22 12:35	1
Field Odor	**N**				NONE			11/08/22 12:35	1
Field pH	**7.50**				SU			11/08/22 12:35	1
Field Temperature	**10.4**				Degrees C			11/08/22 12:35	1
Field Turbidity	**N**				NONE			11/08/22 12:35	1
Oxidation Reduction Potential	**216.7**				millivolts			11/08/22 12:35	1
Well bottom elevation	**255.2**				ft			11/08/22 12:35	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-31 IA

Date Collected: 11/08/22 14:12
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-14

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.6**	**J B**	10	1.7	ug/L			11/17/22 17:00	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 17:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 17:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 17:00	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 17:00	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 17:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 17:00	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 17:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 17:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 17:00	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 17:00	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 17:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 17:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 17:00	1
cis-1,2-Dichloroethene	**0.78**	**J**	1.0	0.41	ug/L			11/17/22 17:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 17:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 17:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 17:00	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 17:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 17:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 17:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 17:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 17:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 17:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 17:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 17:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 17:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 17:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 17:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 17:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 17:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 17:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 17:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 17:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 17:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 17:00	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 17:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:00	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 17:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 17:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 17:00	1
Tetrachloroethene	**1.9**		1.0	0.37	ug/L			11/17/22 17:00	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-31 IA

Date Collected: 11/08/22 14:12
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-14

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			11/17/22 17:00	1
Toluene	**0.23**	**J**	0.50	0.15	ug/L			11/17/22 17:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 17:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 17:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 17:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 17:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 17:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 17:00	1
Trichloroethene	**0.79**		0.50	0.16	ug/L			11/17/22 17:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 17:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 17:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 17:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 17:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*		*11/17/22 17:00*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*11/17/22 17:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*11/17/22 17:00*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*11/17/22 17:00*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			11/08/22 14:12	1
Field Conductivity	**834**				umhos/cm			11/08/22 14:12	1
Field Dissolved Oxygen	**20.2**				%			11/08/22 14:12	1
Field Odor	**N**				NONE			11/08/22 14:12	1
Field pH	**7.19**				SU			11/08/22 14:12	1
Field Temperature	**11.2**				Degrees C			11/08/22 14:12	1
Field Turbidity	**N**				NONE			11/08/22 14:12	1
Oxidation Reduction Potential	**61.6**				millivolts			11/08/22 14:12	1
Well bottom elevation	**95.6**				ft			11/08/22 14:12	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-31 IB

Date Collected: 11/08/22 14:58
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-15

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.2**	**J B**	10	1.7	ug/L			11/17/22 17:24	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 17:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 17:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 17:24	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 17:24	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 17:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 17:24	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 17:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 17:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 17:24	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 17:24	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 17:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 17:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 17:24	1
cis-1,2-Dichloroethene	**0.93**	**J**	1.0	0.41	ug/L			11/17/22 17:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 17:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 17:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 17:24	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 17:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 17:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 17:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 17:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 17:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 17:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 17:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 17:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 17:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 17:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 17:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 17:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 17:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 17:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 17:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 17:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 17:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 17:24	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 17:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:24	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 17:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 17:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 17:24	1
Tetrachloroethene	**1.8**		1.0	0.37	ug/L			11/17/22 17:24	1

Client Sample ID: P-31 IB
Date Collected: 11/08/22 14:58
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-15
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			11/17/22 17:24	1
Toluene	**0.20**	**J**	0.50	0.15	ug/L			11/17/22 17:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 17:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 17:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 17:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 17:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 17:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 17:24	1
Trichloroethene	**0.88**		0.50	0.16	ug/L			11/17/22 17:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 17:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 17:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 17:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 17:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*		*11/17/22 17:24*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*11/17/22 17:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*11/17/22 17:24*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*11/17/22 17:24*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Conductivity	**855**				umhos/cm			11/08/22 14:58	1
Field Dissolved Oxygen	**42.9**				%			11/08/22 14:58	1
Field pH	**7.60**				SU			11/08/22 14:58	1
Field Temperature	**11.5**				Degrees C			11/08/22 14:58	1
Oxidation Reduction Potential	**132.4**				millivolts			11/08/22 14:58	1
Well bottom elevation	**135.7**				ft			11/08/22 14:58	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-31 D

Date Collected: 11/08/22 14:20
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-16

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 B**	10	1.7	ug/L			11/17/22 17:48	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 17:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 17:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 17:48	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 17:48	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 17:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 17:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 17:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 17:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 17:48	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 17:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 17:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 17:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 17:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 17:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 17:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 17:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 17:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 17:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 17:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 17:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 17:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 17:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 17:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 17:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 17:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 17:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 17:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 17:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 17:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 17:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 17:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 17:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 17:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 17:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 17:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 17:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 17:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:48	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 17:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 17:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 17:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 17:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/17/22 17:48	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-31 D
Date Collected: 11/08/22 14:20
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-16
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			11/17/22 17:48	1
Toluene	**0.20**	**J**	0.50	0.15	ug/L			11/17/22 17:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 17:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 17:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 17:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 17:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 17:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 17:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 17:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 17:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 17:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 17:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 17:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 17:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*		*11/17/22 17:48*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*11/17/22 17:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*11/17/22 17:48*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*11/17/22 17:48*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Field Color	**N**				NONE			11/08/22 14:20	1
Field Conductivity	**573**				umhos/cm			11/08/22 14:20	1
Field Dissolved Oxygen	**82.2**				%			11/08/22 14:20	1
Field Odor	**N**				NONE			11/08/22 14:20	1
Field pH	**7.55**				SU			11/08/22 14:20	1
Field Temperature	**10.3**				Degrees C			11/08/22 14:20	1
Field Turbidity	**N**				NONE			11/08/22 14:20	1
Oxidation Reduction Potential	**215.0**				millivolts			11/08/22 14:20	1
Well bottom elevation	**258.2**				ft			11/08/22 14:20	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-30 I

Date Collected: 11/08/22 15:40
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-17

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.4**	**J B**	10	1.7	ug/L			11/17/22 18:12	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 18:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 18:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 18:12	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 18:12	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 18:12	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 18:12	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 18:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 18:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 18:12	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 18:12	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 18:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 18:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 18:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 18:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 18:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 18:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 18:12	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 18:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 18:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 18:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 18:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 18:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 18:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 18:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 18:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 18:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 18:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 18:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 18:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 18:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 18:12	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 18:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 18:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 18:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 18:12	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 18:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:12	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 18:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 18:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 18:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/17/22 18:12	1

Client Sample ID: P-30 I
Date Collected: 11/08/22 15:40
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-17
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			11/17/22 18:12	1
Toluene	**0.22**	**J**	0.50	0.15	ug/L			11/17/22 18:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 18:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 18:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 18:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 18:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 18:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 18:12	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 18:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 18:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 18:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 18:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 18:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*		*11/17/22 18:12*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*11/17/22 18:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*11/17/22 18:12*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*11/17/22 18:12*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**19.75**				ft			11/08/22 15:40	1
Field Conductivity	**690**				umhos/cm			11/08/22 15:40	1
Field Dissolved Oxygen	**85.9**				%			11/08/22 15:40	1
Field pH	**7.49**				SU			11/08/22 15:40	1
Field Temperature	**9.5**				Degrees C			11/08/22 15:40	1
Oxidation Reduction Potential	**148.8**				millivolts			11/08/22 15:40	1
Well bottom elevation	**142.3**				ft			11/08/22 15:40	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-30 D

Date Collected: 11/08/22 15:47
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-18

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 B**	10	1.7	ug/L			11/17/22 18:36	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 18:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 18:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 18:36	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 18:36	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 18:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 18:36	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 18:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 18:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 18:36	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 18:36	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 18:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 18:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 18:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 18:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 18:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 18:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 18:36	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 18:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 18:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 18:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 18:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 18:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 18:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 18:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 18:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 18:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 18:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 18:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 18:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 18:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 18:36	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 18:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 18:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 18:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 18:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 18:36	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 18:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:36	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 18:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 18:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 18:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 18:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/17/22 18:36	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-30 D
Date Collected: 11/08/22 15:47
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-18
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			11/17/22 18:36	1
Toluene	**0.17**	**J**	0.50	0.15	ug/L			11/17/22 18:36	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 18:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 18:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 18:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 18:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 18:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 18:36	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 18:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 18:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 18:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 18:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 18:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 18:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*11/17/22 18:36*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*11/17/22 18:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*11/17/22 18:36*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*11/17/22 18:36*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**21.7**				ft			11/08/22 15:47	1
Field Conductivity	**502**				umhos/cm			11/08/22 15:47	1
Field Dissolved Oxygen	**61.9**				%			11/08/22 15:47	1
Field pH	**7.58**				SU			11/08/22 15:47	1
Field Temperature	**9.6**				Degrees C			11/08/22 15:47	1
Oxidation Reduction Potential	**61.8**				millivolts			11/08/22 15:47	1
Well bottom elevation	**289.5**				ft			11/08/22 15:47	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-18 S

Date Collected: 11/09/22 07:26
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-19

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.3**	**J B**	10	1.7	ug/L			11/17/22 19:00	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 19:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 19:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 19:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 19:00	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 19:00	1
Bromomethane	<0.80	* ^c	3.0	0.80	ug/L			11/17/22 19:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 19:00	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 19:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 19:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 19:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 19:00	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 19:00	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 19:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 19:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 19:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 19:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 19:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 19:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 19:00	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 19:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 19:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 19:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 19:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 19:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 19:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 19:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 19:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 19:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 19:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 19:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 19:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 19:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 19:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 19:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 19:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 19:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 19:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 19:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 19:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 19:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 19:00	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 19:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 19:00	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 19:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 19:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 19:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 19:00	1
Tetrachloroethene	**7.0**		1.0	0.37	ug/L			11/17/22 19:00	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-18 S
Date Collected: 11/09/22 07:26
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-19
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			11/17/22 19:00	1
Toluene	**0.22**	**J**	0.50	0.15	ug/L			11/17/22 19:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 19:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 19:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 19:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 19:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 19:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 19:00	1
Trichloroethene	**0.61**		0.50	0.16	ug/L			11/17/22 19:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 19:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 19:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 19:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 19:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 19:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*		*11/17/22 19:00*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*11/17/22 19:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*11/17/22 19:00*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*11/17/22 19:00*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**96.61**				ft			11/09/22 07:26	1
Field Conductivity	**725**				umhos/cm			11/09/22 07:26	1
Field Dissolved Oxygen	**84.6**				%			11/09/22 07:26	1
Field pH	**7.34**				SU			11/09/22 07:26	1
Field Temperature	**11.3**				Degrees C			11/09/22 07:26	1
Oxidation Reduction Potential	**115.6**				millivolts			11/09/22 07:26	1
Well bottom elevation	**107.2**				ft			11/09/22 07:26	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-17 S
Date Collected: 11/09/22 08:18
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-20
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			11/18/22 16:43	1
Benzene	<0.15		0.50	0.15	ug/L			11/18/22 16:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/18/22 16:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/18/22 16:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/18/22 16:43	1
Bromoform	<0.48		1.0	0.48	ug/L			11/18/22 16:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/18/22 16:43	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/18/22 16:43	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/18/22 16:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/18/22 16:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/18/22 16:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/18/22 16:43	1
Chloroform	<0.37		2.0	0.37	ug/L			11/18/22 16:43	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/18/22 16:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/18/22 16:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/18/22 16:43	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.41	ug/L			11/18/22 16:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/18/22 16:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/18/22 16:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/18/22 16:43	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/18/22 16:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/18/22 16:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/18/22 16:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/18/22 16:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/18/22 16:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/18/22 16:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/18/22 16:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/18/22 16:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/18/22 16:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/18/22 16:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/18/22 16:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/18/22 16:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/18/22 16:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/18/22 16:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/18/22 16:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 16:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/18/22 16:43	1
Methylene Chloride	**2.9**	**J**	5.0	1.6	ug/L			11/18/22 16:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/18/22 16:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/18/22 16:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 16:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/18/22 16:43	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/18/22 16:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 16:43	1
Styrene	<0.39		1.0	0.39	ug/L			11/18/22 16:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 16:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/18/22 16:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/18/22 16:43	1
Tetrachloroethene	**2.2**		1.0	0.37	ug/L			11/18/22 16:43	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-17 S
Date Collected: 11/09/22 08:18
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-20
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			11/18/22 16:43	1
Toluene	<0.15		0.50	0.15	ug/L			11/18/22 16:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/18/22 16:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/18/22 16:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/18/22 16:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/18/22 16:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/18/22 16:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/18/22 16:43	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/18/22 16:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/18/22 16:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/18/22 16:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/18/22 16:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/18/22 16:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/18/22 16:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/18/22 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*11/18/22 16:43*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*11/18/22 16:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*11/18/22 16:43*	*1*
Toluene-d8 (Surr)	*108*		*75 - 120*		*11/18/22 16:43*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**144.95**				ft			11/09/22 08:18	1
Field Conductivity	**1112**				umhos/cm			11/09/22 08:18	1
Field Dissolved Oxygen	**24.3**				%			11/09/22 08:18	1
Field pH	**6.69**				SU			11/09/22 08:18	1
Field Temperature	**11.5**				Degrees C			11/09/22 08:18	1
Oxidation Reduction Potential	**162.7**				millivolts			11/09/22 08:18	1
Well bottom elevation	**158.8**				ft			11/09/22 08:18	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-23 S
Date Collected: 11/09/22 09:06
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-21
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			11/18/22 17:06	1
Benzene	<0.15		0.50	0.15	ug/L			11/18/22 17:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/18/22 17:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/18/22 17:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/18/22 17:06	1
Bromoform	<0.48		1.0	0.48	ug/L			11/18/22 17:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/18/22 17:06	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/18/22 17:06	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/18/22 17:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/18/22 17:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/18/22 17:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/18/22 17:06	1
Chloroform	<0.37		2.0	0.37	ug/L			11/18/22 17:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/18/22 17:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/18/22 17:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/18/22 17:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/18/22 17:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/18/22 17:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/18/22 17:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/18/22 17:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/18/22 17:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/18/22 17:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/18/22 17:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/18/22 17:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/18/22 17:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/18/22 17:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/18/22 17:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/18/22 17:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/18/22 17:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/18/22 17:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/18/22 17:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/18/22 17:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/18/22 17:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/18/22 17:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/18/22 17:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 17:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/18/22 17:06	1
Methylene Chloride	**3.0**	**J**	5.0	1.6	ug/L			11/18/22 17:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/18/22 17:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/18/22 17:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 17:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/18/22 17:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/18/22 17:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 17:06	1
Styrene	<0.39		1.0	0.39	ug/L			11/18/22 17:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 17:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/18/22 17:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/18/22 17:06	1
Tetrachloroethene	**0.73**	**J**	1.0	0.37	ug/L			11/18/22 17:06	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-23 S

Date Collected: 11/09/22 09:06
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-21

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			11/18/22 17:06	1
Toluene	<0.15		0.50	0.15	ug/L			11/18/22 17:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/18/22 17:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/18/22 17:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/18/22 17:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/18/22 17:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/18/22 17:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/18/22 17:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/18/22 17:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/18/22 17:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/18/22 17:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/18/22 17:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/18/22 17:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/18/22 17:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/18/22 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*11/18/22 17:06*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*11/18/22 17:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*11/18/22 17:06*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*11/18/22 17:06*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**38.06**				ft			11/09/22 09:06	1
Field Color	**N**				NONE			11/09/22 09:06	1
Field Conductivity	**613**				umhos/cm			11/09/22 09:06	1
Field Dissolved Oxygen	**87.1**				%			11/09/22 09:06	1
Field Odor	**N**				NONE			11/09/22 09:06	1
Field pH	**7.33**				SU			11/09/22 09:06	1
Field Temperature	**10.7**				Degrees C			11/09/22 09:06	1
Field Turbidity	**N**				NONE			11/09/22 09:06	1
Oxidation Reduction Potential	**158.8**				millivolts			11/09/22 09:06	1
Well bottom elevation	**48.1**				ft			11/09/22 09:06	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-23 D

Date Collected: 11/09/22 09:10
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-22

Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.3**	**J**	10	1.7	ug/L			11/18/22 17:28	1
Benzene	<0.15		0.50	0.15	ug/L			11/18/22 17:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/18/22 17:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/18/22 17:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/18/22 17:28	1
Bromoform	<0.48		1.0	0.48	ug/L			11/18/22 17:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/18/22 17:28	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/18/22 17:28	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/18/22 17:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/18/22 17:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/18/22 17:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/18/22 17:28	1
Chloroform	<0.37		2.0	0.37	ug/L			11/18/22 17:28	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/18/22 17:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/18/22 17:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/18/22 17:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/18/22 17:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/18/22 17:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/18/22 17:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/18/22 17:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/18/22 17:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/18/22 17:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/18/22 17:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/18/22 17:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/18/22 17:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/18/22 17:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/18/22 17:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/18/22 17:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/18/22 17:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/18/22 17:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/18/22 17:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/18/22 17:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/18/22 17:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/18/22 17:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/18/22 17:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 17:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/18/22 17:28	1
Methylene Chloride	**2.7**	**J**	5.0	1.6	ug/L			11/18/22 17:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/18/22 17:28	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/18/22 17:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 17:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/18/22 17:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/18/22 17:28	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 17:28	1
Styrene	<0.39		1.0	0.39	ug/L			11/18/22 17:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 17:28	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/18/22 17:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/18/22 17:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/18/22 17:28	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-23 D

Date Collected: 11/09/22 09:10
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-22

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			11/18/22 17:28	1
Toluene	<0.15		0.50	0.15	ug/L			11/18/22 17:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/18/22 17:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/18/22 17:28	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/18/22 17:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/18/22 17:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/18/22 17:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/18/22 17:28	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/18/22 17:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/18/22 17:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/18/22 17:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/18/22 17:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/18/22 17:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/18/22 17:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/18/22 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*72 - 124*		*11/18/22 17:28*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*11/18/22 17:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*11/18/22 17:28*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*11/18/22 17:28*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**37.59**				ft			11/09/22 09:10	1
Field Color	**N**				NONE			11/09/22 09:10	1
Field Conductivity	**581**				umhos/cm			11/09/22 09:10	1
Field Dissolved Oxygen	**86.7**				%			11/09/22 09:10	1
Field Odor	**N**				NONE			11/09/22 09:10	1
Field pH	**7.50**				SU			11/09/22 09:10	1
Field Temperature	**10.3**				Degrees C			11/09/22 09:10	1
Field Turbidity	**N**				NONE			11/09/22 09:10	1
Oxidation Reduction Potential	**154.6**				millivolts			11/09/22 09:10	1
Well bottom elevation	**80.1**				ft			11/09/22 09:10	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-20 SR

Date Collected: 11/09/22 10:25
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-23

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 B**	10	1.7	ug/L			11/17/22 19:24	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 19:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 19:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 19:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 19:24	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 19:24	1
Bromomethane	<0.80	* F1 ^c	3.0	0.80	ug/L			11/17/22 19:24	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 19:24	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 19:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 19:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 19:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 19:24	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 19:24	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 19:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 19:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 19:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 19:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 19:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 19:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 19:24	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 19:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 19:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 19:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 19:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 19:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 19:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 19:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 19:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 19:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 19:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 19:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 19:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 19:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 19:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 19:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 19:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 19:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 19:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 19:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 19:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 19:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 19:24	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 19:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 19:24	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 19:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 19:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 19:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 19:24	1
Tetrachloroethene	**1.5**		1.0	0.37	ug/L			11/17/22 19:24	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-20 SR

Date Collected: 11/09/22 10:25
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-23

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			11/17/22 19:24	1
Toluene	**0.26**	**J**	0.50	0.15	ug/L			11/17/22 19:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 19:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 19:24	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 19:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 19:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 19:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 19:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 19:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 19:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 19:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 19:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 19:24	1
Vinyl chloride	<0.20	F1	1.0	0.20	ug/L			11/17/22 19:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*		*11/17/22 19:24*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*11/17/22 19:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*11/17/22 19:24*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*11/17/22 19:24*	*1*

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water (ft from MP)	**37.33**				ft			11/09/22 10:25	1
Field Color	**N**				NONE			11/09/22 10:25	1
Field Conductivity	**599**				umhos/cm			11/09/22 10:25	1
Field Dissolved Oxygen	**135.8**				%			11/09/22 10:25	1
Field Odor	**N**				NONE			11/09/22 10:25	1
Field pH	**7.63**				SU			11/09/22 10:25	1
Field Temperature	**10.9**				Degrees C			11/09/22 10:25	1
Field Turbidity	**N**				NONE			11/09/22 10:25	1
Oxidation Reduction Potential	**180.1**				millivolts			11/09/22 10:25	1
Well bottom elevation	**66.3**				ft			11/09/22 10:25	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: FD-2
Date Collected: 11/09/22 00:00
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-24
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			11/18/22 17:51	1
Benzene	<0.15		0.50	0.15	ug/L			11/18/22 17:51	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/18/22 17:51	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/18/22 17:51	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/18/22 17:51	1
Bromoform	<0.48		1.0	0.48	ug/L			11/18/22 17:51	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/18/22 17:51	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/18/22 17:51	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/18/22 17:51	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/18/22 17:51	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/18/22 17:51	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/18/22 17:51	1
Chloroform	<0.37		2.0	0.37	ug/L			11/18/22 17:51	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/18/22 17:51	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/18/22 17:51	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/18/22 17:51	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/18/22 17:51	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/18/22 17:51	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/18/22 17:51	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/18/22 17:51	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/18/22 17:51	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/18/22 17:51	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/18/22 17:51	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/18/22 17:51	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/18/22 17:51	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/18/22 17:51	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/18/22 17:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/18/22 17:51	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/18/22 17:51	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/18/22 17:51	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/18/22 17:51	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/18/22 17:51	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/18/22 17:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/18/22 17:51	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/18/22 17:51	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 17:51	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/18/22 17:51	1
Methylene Chloride	**2.8**	**J**	5.0	1.6	ug/L			11/18/22 17:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/18/22 17:51	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/18/22 17:51	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 17:51	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/18/22 17:51	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/18/22 17:51	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 17:51	1
Styrene	<0.39		1.0	0.39	ug/L			11/18/22 17:51	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 17:51	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/18/22 17:51	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/18/22 17:51	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/18/22 17:51	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: FD-2

Date Collected: 11/09/22 00:00
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-24

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			11/18/22 17:51	1
Toluene	<0.15		0.50	0.15	ug/L			11/18/22 17:51	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/18/22 17:51	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/18/22 17:51	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/18/22 17:51	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/18/22 17:51	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/18/22 17:51	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/18/22 17:51	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/18/22 17:51	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/18/22 17:51	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/18/22 17:51	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/18/22 17:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/18/22 17:51	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/18/22 17:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/18/22 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*11/18/22 17:51*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*11/18/22 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*11/18/22 17:51*	*1*
Toluene-d8 (Surr)	*111*		*75 - 120*		*11/18/22 17:51*	*1*

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: Trip Blank

Date Collected: 11/07/22 00:00
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-25
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			11/18/22 18:13	1
Benzene	<0.15		0.50	0.15	ug/L			11/18/22 18:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/18/22 18:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/18/22 18:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/18/22 18:13	1
Bromoform	<0.48		1.0	0.48	ug/L			11/18/22 18:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/18/22 18:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/18/22 18:13	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/18/22 18:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/18/22 18:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/18/22 18:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/18/22 18:13	1
Chloroform	<0.37		2.0	0.37	ug/L			11/18/22 18:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/18/22 18:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/18/22 18:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/18/22 18:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/18/22 18:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/18/22 18:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/18/22 18:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/18/22 18:13	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/18/22 18:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/18/22 18:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/18/22 18:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/18/22 18:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/18/22 18:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/18/22 18:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/18/22 18:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/18/22 18:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/18/22 18:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/18/22 18:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/18/22 18:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/18/22 18:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/18/22 18:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/18/22 18:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/18/22 18:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 18:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/18/22 18:13	1
Methylene Chloride	**2.9**	**J**	5.0	1.6	ug/L			11/18/22 18:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/18/22 18:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/18/22 18:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 18:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/18/22 18:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/18/22 18:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 18:13	1
Styrene	<0.39		1.0	0.39	ug/L			11/18/22 18:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 18:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/18/22 18:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/18/22 18:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/18/22 18:13	1

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: Trip Blank
Date Collected: 11/07/22 00:00
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-25
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			11/18/22 18:13	1
Toluene	<0.15		0.50	0.15	ug/L			11/18/22 18:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/18/22 18:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/18/22 18:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/18/22 18:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/18/22 18:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/18/22 18:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/18/22 18:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/18/22 18:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/18/22 18:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/18/22 18:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/18/22 18:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/18/22 18:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/18/22 18:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/18/22 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*11/18/22 18:13*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*11/18/22 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*11/18/22 18:13*	*1*
Toluene-d8 (Surr)	*111*		*75 - 120*		*11/18/22 18:13*	*1*

Definitions/Glossary

Client: Cedar Corporation
Job ID: 500-225219-1
Project/Site: Refuse Hideaway Landfill

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

GC/MS VOA

Analysis Batch: 685451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225219-1	P-26 S	Total/NA	Water	8260B	
500-225219-2	P-27 S	Total/NA	Water	8260B	
500-225219-3	P-27 D	Total/NA	Water	8260B	
500-225219-4	P-43 S	Total/NA	Water	8260B	
500-225219-5	P-43 I	Total/NA	Water	8260B	
500-225219-6	P-43 D	Total/NA	Water	8260B	
500-225219-7	P-22 D	Total/NA	Water	8260B	
500-225219-8	P-22 E	Total/NA	Water	8260B	
MB 500-685451/8	Method Blank	Total/NA	Water	8260B	
LCS 500-685451/6	Lab Control Sample	Total/NA	Water	8260B	
500-225219-7 MS	P-22 D	Total/NA	Water	8260B	
500-225219-7 MSD	P-22 D	Total/NA	Water	8260B	

Analysis Batch: 685459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225219-9	P-25 D	Total/NA	Water	8260B	
500-225219-10	P-25 BR	Total/NA	Water	8260B	
500-225219-11	FD-1	Total/NA	Water	8260B	
500-225219-12	P-40 I	Total/NA	Water	8260B	
500-225219-13	P-40 D	Total/NA	Water	8260B	
500-225219-14	P-31 IA	Total/NA	Water	8260B	
500-225219-15	P-31 IB	Total/NA	Water	8260B	
500-225219-16	P-31 D	Total/NA	Water	8260B	
500-225219-17	P-30 I	Total/NA	Water	8260B	
500-225219-18	P-30 D	Total/NA	Water	8260B	
500-225219-19	P-18 S	Total/NA	Water	8260B	
500-225219-23	P-20 SR	Total/NA	Water	8260B	
MB 500-685459/6	Method Blank	Total/NA	Water	8260B	
LCS 500-685459/4	Lab Control Sample	Total/NA	Water	8260B	
500-225219-23 MS	P-20 SR	Total/NA	Water	8260B	
500-225219-23 MSD	P-20 SR	Total/NA	Water	8260B	

Analysis Batch: 685774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225219-20	P-17 S	Total/NA	Water	8260B	
500-225219-21	P-23 S	Total/NA	Water	8260B	
500-225219-22	P-23 D	Total/NA	Water	8260B	
500-225219-24	FD-2	Total/NA	Water	8260B	
500-225219-25	Trip Blank	Total/NA	Water	8260B	
MB 500-685774/7	Method Blank	Total/NA	Water	8260B	
LCS 500-685774/5	Lab Control Sample	Total/NA	Water	8260B	

Field Service / Mobile Lab

Analysis Batch: 686686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225219-1	P-26 S	Total/NA	Water	Field Sampling	
500-225219-2	P-27 S	Total/NA	Water	Field Sampling	
500-225219-3	P-27 D	Total/NA	Water	Field Sampling	
500-225219-4	P-43 S	Total/NA	Water	Field Sampling	
500-225219-5	P-43 I	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 686686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-225219-6	P-43 D	Total/NA	Water	Field Sampling	
500-225219-7	P-22 D	Total/NA	Water	Field Sampling	
500-225219-8	P-22 E	Total/NA	Water	Field Sampling	
500-225219-9	P-25 D	Total/NA	Water	Field Sampling	
500-225219-10	P-25 BR	Total/NA	Water	Field Sampling	
500-225219-12	P-40 I	Total/NA	Water	Field Sampling	
500-225219-13	P-40 D	Total/NA	Water	Field Sampling	
500-225219-14	P-31 IA	Total/NA	Water	Field Sampling	
500-225219-15	P-31 IB	Total/NA	Water	Field Sampling	
500-225219-16	P-31 D	Total/NA	Water	Field Sampling	
500-225219-17	P-30 I	Total/NA	Water	Field Sampling	
500-225219-18	P-30 D	Total/NA	Water	Field Sampling	
500-225219-19	P-18 S	Total/NA	Water	Field Sampling	
500-225219-20	P-17 S	Total/NA	Water	Field Sampling	
500-225219-21	P-23 S	Total/NA	Water	Field Sampling	
500-225219-22	P-23 D	Total/NA	Water	Field Sampling	
500-225219-23	P-20 SR	Total/NA	Water	Field Sampling	

Surrogate Summary

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

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)
500-225219-1	P-26 S	117	90	106	106
500-225219-2	P-27 S	113	93	111	105
500-225219-3	P-27 D	120	92	109	105
500-225219-4	P-43 S	118	91	111	107
500-225219-5	P-43 I	117	90	110	109
500-225219-6	P-43 D	119	90	108	109
500-225219-7	P-22 D	119	90	111	110
500-225219-7 MS	P-22 D	110	93	108	109
500-225219-7 MSD	P-22 D	109	93	106	109
500-225219-8	P-22 E	118	89	113	109
500-225219-9	P-25 D	85	101	90	96
500-225219-10	P-25 BR	84	104	97	95
500-225219-11	FD-1	83	102	92	95
500-225219-12	P-40 I	85	102	93	95
500-225219-13	P-40 D	87	103	92	96
500-225219-14	P-31 IA	85	101	92	96
500-225219-15	P-31 IB	85	102	94	97
500-225219-16	P-31 D	84	103	95	95
500-225219-17	P-30 I	86	102	92	95
500-225219-18	P-30 D	87	103	96	94
500-225219-19	P-18 S	81	104	96	93
500-225219-20	P-17 S	113	93	109	108
500-225219-21	P-23 S	112	92	109	107
500-225219-22	P-23 D	120	90	108	107
500-225219-23	P-20 SR	84	101	95	95
500-225219-23 MS	P-20 SR	82	101	89	97
500-225219-23 MSD	P-20 SR	81	102	92	95
500-225219-24	FD-2	111	90	108	111
500-225219-25	Trip Blank	113	93	111	111
LCS 500-685451/6	Lab Control Sample	109	93	104	105
LCS 500-685459/4	Lab Control Sample	80	96	87	99
LCS 500-685774/5	Lab Control Sample	108	93	107	108
MB 500-685451/8	Method Blank	121	89	107	108
MB 500-685459/6	Method Blank	82	99	91	97
MB 500-685774/7	Method Blank	116	93	115	103

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 500-685451/8
Matrix: Water
Analysis Batch: 685451

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			11/17/22 11:17	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 11:17	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 11:17	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 11:17	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 11:17	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 11:17	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/17/22 11:17	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 11:17	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 11:17	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 11:17	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 11:17	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 11:17	1
Chloroform	<0.37		2.0	0.37	ug/L			11/17/22 11:17	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 11:17	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 11:17	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 11:17	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 11:17	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 11:17	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 11:17	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 11:17	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 11:17	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 11:17	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 11:17	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 11:17	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 11:17	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 11:17	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 11:17	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 11:17	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 11:17	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 11:17	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 11:17	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 11:17	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 11:17	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 11:17	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 11:17	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 11:17	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 11:17	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 11:17	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 11:17	1
Naphthalene	0.357	J	1.0	0.34	ug/L			11/17/22 11:17	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 11:17	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 11:17	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 11:17	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 11:17	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 11:17	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 11:17	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 11:17	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 11:17	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-685451/8
Matrix: Water
Analysis Batch: 685451

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			11/17/22 11:17	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			11/17/22 11:17	1
Toluene	<0.15		0.50	0.15	ug/L			11/17/22 11:17	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 11:17	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 11:17	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 11:17	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 11:17	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 11:17	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 11:17	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 11:17	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 11:17	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 11:17	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 11:17	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 11:17	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 11:17	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 11:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*72 - 124*		*11/17/22 11:17*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 120*		*11/17/22 11:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*11/17/22 11:17*	*1*
Toluene-d8 (Surr)	*108*		*75 - 120*		*11/17/22 11:17*	*1*

Lab Sample ID: LCS 500-685451/6
Matrix: Water
Analysis Batch: 685451

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	44.6		ug/L		89	40 - 143
Benzene	50.0	53.9		ug/L		108	70 - 120
Bromobenzene	50.0	52.6		ug/L		105	70 - 122
Bromochloromethane	50.0	46.0		ug/L		92	65 - 122
Bromodichloromethane	50.0	53.2		ug/L		106	69 - 120
Bromoform	50.0	47.4		ug/L		95	56 - 132
Bromomethane	50.0	62.7		ug/L		125	40 - 152
2-Butanone (MEK)	50.0	39.9		ug/L		80	46 - 144
Carbon disulfide	50.0	48.3		ug/L		97	66 - 120
Carbon tetrachloride	50.0	52.6		ug/L		105	59 - 133
Chlorobenzene	50.0	52.5		ug/L		105	70 - 120
Chloroethane	50.0	51.7		ug/L		103	48 - 136
Chloroform	50.0	53.3		ug/L		107	70 - 120
Chloromethane	50.0	43.9		ug/L		88	56 - 152
2-Chlorotoluene	50.0	56.0		ug/L		112	70 - 125
4-Chlorotoluene	50.0	59.0		ug/L		118	68 - 124
cis-1,2-Dichloroethene	50.0	53.1		ug/L		106	70 - 125
cis-1,3-Dichloropropene	50.0	53.2		ug/L		106	64 - 127
Dibromochloromethane	50.0	49.3		ug/L		99	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	41.9		ug/L		84	56 - 123

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-685451/6
Matrix: Water
Analysis Batch: 685451

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	50.0	55.5		ug/L		111	70 - 125
Dibromomethane	50.0	54.2		ug/L		108	70 - 120
1,2-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 125
1,3-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 125
1,4-Dichlorobenzene	50.0	53.0		ug/L		106	70 - 120
Dichlorodifluoromethane	50.0	54.8		ug/L		110	40 - 159
1,1-Dichloroethane	50.0	48.7		ug/L		97	70 - 125
1,2-Dichloroethane	50.0	53.2		ug/L		106	68 - 127
1,1-Dichloroethene	50.0	50.3		ug/L		101	67 - 122
1,2-Dichloropropane	50.0	47.7		ug/L		95	67 - 130
1,3-Dichloropropane	50.0	57.0		ug/L		114	62 - 136
2,2-Dichloropropane	50.0	60.1		ug/L		120	58 - 139
1,1-Dichloropropene	50.0	54.8		ug/L		110	70 - 121
Ethylbenzene	50.0	53.7		ug/L		107	70 - 123
Hexachlorobutadiene	50.0	52.4		ug/L		105	51 - 150
Isopropylbenzene	50.0	52.7		ug/L		105	70 - 126
Methylene Chloride	50.0	49.9		ug/L		100	69 - 125
Methyl tert-butyl ether	50.0	54.9		ug/L		110	55 - 123
Naphthalene	50.0	36.2		ug/L		72	53 - 144
n-Butylbenzene	50.0	58.6		ug/L		117	68 - 125
N-Propylbenzene	50.0	58.2		ug/L		116	69 - 127
p-Isopropyltoluene	50.0	52.9		ug/L		106	70 - 125
sec-Butylbenzene	50.0	54.3		ug/L		109	70 - 123
Styrene	50.0	56.9		ug/L		114	70 - 120
tert-Butylbenzene	50.0	52.0		ug/L		104	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.9		ug/L		96	70 - 125
1,1,2,2-Tetrachloroethane	50.0	55.1		ug/L		110	62 - 140
Tetrachloroethene	50.0	52.9		ug/L		106	70 - 128
Tetrahydrofuran	100	78.9		ug/L		79	59 - 139
Toluene	50.0	53.6		ug/L		107	70 - 125
trans-1,2-Dichloroethene	50.0	53.0		ug/L		106	70 - 125
trans-1,3-Dichloropropene	50.0	56.8		ug/L		114	62 - 128
1,2,3-Trichlorobenzene	50.0	41.3		ug/L		83	51 - 145
1,2,4-Trichlorobenzene	50.0	44.8		ug/L		90	57 - 137
1,1,1-Trichloroethane	50.0	55.9		ug/L		112	70 - 125
1,1,2-Trichloroethane	50.0	55.2		ug/L		110	71 - 130
Trichloroethene	50.0	47.8		ug/L		96	70 - 125
Trichlorofluoromethane	50.0	46.5		ug/L		93	55 - 128
1,2,3-Trichloropropane	50.0	55.2		ug/L		110	50 - 133
1,2,4-Trimethylbenzene	50.0	54.4		ug/L		109	70 - 123
1,3,5-Trimethylbenzene	50.0	54.1		ug/L		108	70 - 123
Vinyl chloride	50.0	48.4		ug/L		97	64 - 126
Xylenes, Total	100	117		ug/L		117	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*
Dibromofluoromethane (Surr)	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-685451/6
Matrix: Water
Analysis Batch: 685451

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: 500-225219-7 MS
Matrix: Water
Analysis Batch: 685451

Client Sample ID: P-22 D
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	30.7		ug/L		61	40 - 143
Benzene	<0.15		50.0	43.1		ug/L		86	70 - 120
Bromobenzene	<0.36		50.0	42.5		ug/L		85	70 - 122
Bromochloromethane	<0.43		50.0	37.5		ug/L		75	65 - 122
Bromodichloromethane	<0.37		50.0	42.4		ug/L		85	69 - 120
Bromoform	<0.48		50.0	36.0		ug/L		72	56 - 132
Bromomethane	<0.80		50.0	63.7		ug/L		127	40 - 152
2-Butanone (MEK)	<2.1		50.0	34.2		ug/L		68	46 - 144
Carbon disulfide	<0.45		50.0	36.1		ug/L		72	66 - 120
Carbon tetrachloride	<0.38		50.0	38.8		ug/L		78	59 - 133
Chlorobenzene	<0.39		50.0	42.3		ug/L		85	70 - 120
Chloroethane	<0.51		50.0	51.7		ug/L		103	48 - 136
Chloroform	<0.37		50.0	41.8		ug/L		84	70 - 120
Chloromethane	<0.32		50.0	41.9		ug/L		84	56 - 152
2-Chlorotoluene	<0.31		50.0	44.3		ug/L		89	70 - 125
4-Chlorotoluene	<0.35		50.0	46.1		ug/L		92	68 - 124
cis-1,2-Dichloroethene	1.0		50.0	42.2		ug/L		82	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	43.7		ug/L		87	64 - 127
Dibromochloromethane	<0.49		50.0	39.3		ug/L		79	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	35.4		ug/L		71	56 - 123
1,2-Dibromoethane	<0.39		50.0	45.6		ug/L		91	70 - 125
Dibromomethane	<0.27		50.0	44.6		ug/L		89	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	39.9		ug/L		80	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	40.5		ug/L		81	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	40.3		ug/L		81	70 - 120
Dichlorodifluoromethane	<0.67		50.0	56.3		ug/L		113	40 - 159
1,1-Dichloroethane	<0.41		50.0	38.6		ug/L		77	70 - 125
1,2-Dichloroethane	<0.39		50.0	43.8		ug/L		88	68 - 127
1,1-Dichloroethene	<0.39		50.0	37.7		ug/L		75	67 - 122
1,2-Dichloropropane	<0.43		50.0	39.6		ug/L		79	67 - 130
1,3-Dichloropropane	<0.36		50.0	48.4		ug/L		97	62 - 136
2,2-Dichloropropane	<0.44		50.0	41.3		ug/L		83	58 - 139
1,1-Dichloropropene	<0.30		50.0	43.2		ug/L		86	70 - 121
Ethylbenzene	<0.18		50.0	41.5		ug/L		83	70 - 123
Hexachlorobutadiene	<0.45		50.0	35.8		ug/L		72	51 - 150
Isopropylbenzene	<0.39		50.0	41.3		ug/L		83	70 - 126
Methylene Chloride	<1.6		50.0	39.8		ug/L		80	69 - 125
Methyl tert-butyl ether	<0.39		50.0	42.3		ug/L		85	55 - 123
Naphthalene	<0.34		50.0	30.4		ug/L		61	53 - 144
n-Butylbenzene	<0.39		50.0	40.1		ug/L		80	68 - 125
N-Propylbenzene	<0.41		50.0	44.0		ug/L		88	69 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-225219-7 MS
Matrix: Water
Analysis Batch: 685451

Client Sample ID: P-22 D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	<0.36		50.0	38.1		ug/L		76	70 - 125
sec-Butylbenzene	<0.40		50.0	39.7		ug/L		79	70 - 123
Styrene	<0.39		50.0	44.1		ug/L		88	70 - 120
tert-Butylbenzene	<0.40		50.0	39.7		ug/L		79	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	37.4		ug/L		75	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	46.3		ug/L		93	62 - 140
Tetrachloroethene	<0.37		50.0	41.8		ug/L		84	70 - 128
Tetrahydrofuran	<1.9		100	64.2		ug/L		64	59 - 139
Toluene	<0.15		50.0	44.3		ug/L		89	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	46.6		ug/L		93	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	32.2		ug/L		64	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	32.1		ug/L		64	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	42.4		ug/L		85	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	46.7		ug/L		93	71 - 130
Trichloroethene	0.52		50.0	37.4		ug/L		74	70 - 125
Trichlorofluoromethane	<0.43		50.0	45.4		ug/L		91	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	46.0		ug/L		92	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	41.5		ug/L		83	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	41.0		ug/L		82	70 - 123
Vinyl chloride	<0.20		50.0	47.9		ug/L		96	64 - 126
Xylenes, Total	<0.22		100	90.6		ug/L		91	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*
Dibromofluoromethane (Surr)	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*
Toluene-d8 (Surr)	*109*		*75 - 120*

Lab Sample ID: 500-225219-7 MSD
Matrix: Water
Analysis Batch: 685451

Client Sample ID: P-22 D
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	34.3		ug/L		69	40 - 143	11	20
Benzene	<0.15		50.0	47.3		ug/L		95	70 - 120	9	20
Bromobenzene	<0.36		50.0	44.2		ug/L		88	70 - 122	4	20
Bromochloromethane	<0.43		50.0	40.2		ug/L		80	65 - 122	7	20
Bromodichloromethane	<0.37		50.0	46.8		ug/L		94	69 - 120	10	20
Bromoform	<0.48		50.0	38.2		ug/L		76	56 - 132	6	20
Bromomethane	<0.80		50.0	55.2		ug/L		110	40 - 152	14	20
2-Butanone (MEK)	<2.1		50.0	34.1		ug/L		68	46 - 144	0	20
Carbon disulfide	<0.45		50.0	41.1		ug/L		82	66 - 120	13	20
Carbon tetrachloride	<0.38		50.0	42.8		ug/L		86	59 - 133	10	20
Chlorobenzene	<0.39		50.0	45.3		ug/L		91	70 - 120	7	20
Chloroethane	<0.51		50.0	46.4		ug/L		93	48 - 136	11	20
Chloroform	<0.37		50.0	46.0		ug/L		92	70 - 120	9	20
Chloromethane	<0.32		50.0	36.2		ug/L		72	56 - 152	15	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-225219-7 MSD
Matrix: Water
Analysis Batch: 685451

Client Sample ID: P-22 D
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	45.2		ug/L		90	70 - 125	2	20
4-Chlorotoluene	<0.35		50.0	46.7		ug/L		93	68 - 124	1	20
cis-1,2-Dichloroethene	1.0		50.0	47.4		ug/L		93	70 - 125	11	20
cis-1,3-Dichloropropene	<0.42		50.0	46.7		ug/L		93	64 - 127	6	20
Dibromochloromethane	<0.49		50.0	41.9		ug/L		84	68 - 125	6	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	39.0		ug/L		78	56 - 123	10	20
1,2-Dibromoethane	<0.39		50.0	48.8		ug/L		98	70 - 125	7	20
Dibromomethane	<0.27		50.0	47.2		ug/L		94	70 - 120	6	20
1,2-Dichlorobenzene	<0.33		50.0	41.2		ug/L		82	70 - 125	3	20
1,3-Dichlorobenzene	<0.40		50.0	41.2		ug/L		82	70 - 125	2	20
1,4-Dichlorobenzene	<0.36		50.0	41.3		ug/L		83	70 - 120	2	20
Dichlorodifluoromethane	<0.67		50.0	48.6		ug/L		97	40 - 159	15	20
1,1-Dichloroethane	<0.41		50.0	42.9		ug/L		86	70 - 125	11	20
1,2-Dichloroethane	<0.39		50.0	47.5		ug/L		95	68 - 127	8	20
1,1-Dichloroethene	<0.39		50.0	42.9		ug/L		86	67 - 122	13	20
1,2-Dichloropropane	<0.43		50.0	42.3		ug/L		85	67 - 130	6	20
1,3-Dichloropropane	<0.36		50.0	51.8		ug/L		104	62 - 136	7	20
2,2-Dichloropropane	<0.44		50.0	43.4		ug/L		87	58 - 139	5	20
1,1-Dichloropropene	<0.30		50.0	47.0		ug/L		94	70 - 121	8	20
Ethylbenzene	<0.18		50.0	44.4		ug/L		89	70 - 123	7	20
Hexachlorobutadiene	<0.45		50.0	35.0		ug/L		70	51 - 150	2	20
Isopropylbenzene	<0.39		50.0	40.7		ug/L		81	70 - 126	2	20
Methylene Chloride	<1.6		50.0	44.7		ug/L		89	69 - 125	12	20
Methyl tert-butyl ether	<0.39		50.0	46.1		ug/L		92	55 - 123	8	20
Naphthalene	<0.34		50.0	30.9		ug/L		62	53 - 144	2	20
n-Butylbenzene	<0.39		50.0	38.6		ug/L		77	68 - 125	4	20
N-Propylbenzene	<0.41		50.0	42.9		ug/L		86	69 - 127	3	20
p-Isopropyltoluene	<0.36		50.0	36.4		ug/L		73	70 - 125	4	20
sec-Butylbenzene	<0.40		50.0	37.6		ug/L		75	70 - 123	5	20
Styrene	<0.39		50.0	47.3		ug/L		95	70 - 120	7	20
tert-Butylbenzene	<0.40		50.0	37.7		ug/L		75	70 - 121	5	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	41.0		ug/L		82	70 - 125	9	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	47.8		ug/L		96	62 - 140	3	20
Tetrachloroethene	<0.37		50.0	43.0		ug/L		86	70 - 128	3	20
Tetrahydrofuran	<1.9		100	67.3		ug/L		67	59 - 139	5	20
Toluene	<0.15		50.0	47.8		ug/L		96	70 - 125	8	20
trans-1,2-Dichloroethene	<0.35		50.0	44.9		ug/L		90	70 - 125	11	20
trans-1,3-Dichloropropene	<0.36		50.0	47.4		ug/L		95	62 - 128	2	20
1,2,3-Trichlorobenzene	<0.46		50.0	31.0		ug/L		62	51 - 145	4	20
1,2,4-Trichlorobenzene	<0.34		50.0	30.8		ug/L		62	57 - 137	4	20
1,1,1-Trichloroethane	<0.38		50.0	47.6		ug/L		95	70 - 125	11	20
1,1,2-Trichloroethane	<0.35		50.0	49.9		ug/L		100	71 - 130	7	20
Trichloroethene	0.52		50.0	40.7		ug/L		80	70 - 125	8	20
Trichlorofluoromethane	<0.43		50.0	40.8		ug/L		82	55 - 128	11	20
1,2,3-Trichloropropane	<0.41		50.0	47.3		ug/L		95	50 - 133	3	20
1,2,4-Trimethylbenzene	<0.36		50.0	40.8		ug/L		82	70 - 123	2	20
1,3,5-Trimethylbenzene	<0.25		50.0	40.1		ug/L		80	70 - 123	2	20
Vinyl chloride	<0.20		50.0	42.1		ug/L		84	64 - 126	13	20
Xylenes, Total	<0.22		100	95.6		ug/L		96	70 - 125	5	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*109*		*72 - 124*
Dibromofluoromethane (Surr)	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*
Toluene-d8 (Surr)	*109*		*75 - 120*

Lab Sample ID: MB 500-685459/6
Matrix: Water
Analysis Batch: 685459

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.06	J	10	1.7	ug/L			11/17/22 10:37	1
Benzene	<0.15		0.50	0.15	ug/L			11/17/22 10:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/17/22 10:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/17/22 10:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/17/22 10:37	1
Bromoform	<0.48		1.0	0.48	ug/L			11/17/22 10:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/17/22 10:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/17/22 10:37	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/17/22 10:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/17/22 10:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/17/22 10:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/17/22 10:37	1
Chloroform	0.655	J	2.0	0.37	ug/L			11/17/22 10:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/17/22 10:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/17/22 10:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/17/22 10:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/17/22 10:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/17/22 10:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/17/22 10:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/17/22 10:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/17/22 10:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/17/22 10:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/17/22 10:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/17/22 10:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/17/22 10:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/17/22 10:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/17/22 10:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/17/22 10:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/17/22 10:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/17/22 10:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/17/22 10:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/17/22 10:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/17/22 10:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/17/22 10:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/17/22 10:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 10:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/17/22 10:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/17/22 10:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/17/22 10:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/17/22 10:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/17/22 10:37	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-685459/6
Matrix: Water
Analysis Batch: 685459

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/17/22 10:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/17/22 10:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 10:37	1
Styrene	<0.39		1.0	0.39	ug/L			11/17/22 10:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/17/22 10:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/17/22 10:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/17/22 10:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/17/22 10:37	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			11/17/22 10:37	1
Toluene	<0.15		0.50	0.15	ug/L			11/17/22 10:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/17/22 10:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/17/22 10:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/17/22 10:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/17/22 10:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/17/22 10:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/17/22 10:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/17/22 10:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/17/22 10:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/17/22 10:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/17/22 10:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/17/22 10:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/17/22 10:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/17/22 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*		*11/17/22 10:37*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*11/17/22 10:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*11/17/22 10:37*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*11/17/22 10:37*	*1*

Lab Sample ID: LCS 500-685459/4
Matrix: Water
Analysis Batch: 685459

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	53.9		ug/L		108	40 - 143
Benzene	50.0	49.6		ug/L		99	70 - 120
Bromobenzene	50.0	45.3		ug/L		91	70 - 122
Bromochloromethane	50.0	51.2		ug/L		102	65 - 122
Bromodichloromethane	50.0	50.9		ug/L		102	69 - 120
Bromoform	50.0	53.3		ug/L		107	56 - 132
Bromomethane	50.0	104	*	ug/L		209	40 - 152
2-Butanone (MEK)	50.0	45.0		ug/L		90	46 - 144
Carbon disulfide	50.0	53.3		ug/L		107	66 - 120
Carbon tetrachloride	50.0	53.4		ug/L		107	59 - 133
Chlorobenzene	50.0	50.4		ug/L		101	70 - 120
Chloroethane	50.0	60.5		ug/L		121	48 - 136
Chloroform	50.0	48.6		ug/L		97	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-685459/4
Matrix: Water
Analysis Batch: 685459

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	66.5		ug/L		133	56 - 152
2-Chlorotoluene	50.0	44.9		ug/L		90	70 - 125
4-Chlorotoluene	50.0	47.7		ug/L		95	68 - 124
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 125
cis-1,3-Dichloropropene	50.0	48.5		ug/L		97	64 - 127
Dibromochloromethane	50.0	53.5		ug/L		107	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	40.3		ug/L		81	56 - 123
1,2-Dibromoethane	50.0	47.9		ug/L		96	70 - 125
Dibromomethane	50.0	48.0		ug/L		96	70 - 120
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	70 - 125
1,3-Dichlorobenzene	50.0	46.4		ug/L		93	70 - 125
1,4-Dichlorobenzene	50.0	48.4		ug/L		97	70 - 120
Dichlorodifluoromethane	50.0	50.5		ug/L		101	40 - 159
1,1-Dichloroethane	50.0	48.0		ug/L		96	70 - 125
1,2-Dichloroethane	50.0	45.7		ug/L		91	68 - 127
1,1-Dichloroethene	50.0	48.8		ug/L		98	67 - 122
1,2-Dichloropropane	50.0	46.8		ug/L		94	67 - 130
1,3-Dichloropropane	50.0	48.5		ug/L		97	62 - 136
2,2-Dichloropropane	50.0	53.7		ug/L		107	58 - 139
1,1-Dichloropropene	50.0	48.5		ug/L		97	70 - 121
Ethylbenzene	50.0	51.5		ug/L		103	70 - 123
Hexachlorobutadiene	50.0	34.5		ug/L		69	51 - 150
Isopropylbenzene	50.0	47.4		ug/L		95	70 - 126
Methylene Chloride	50.0	50.3		ug/L		101	69 - 125
Methyl tert-butyl ether	50.0	46.7		ug/L		93	55 - 123
Naphthalene	50.0	42.3		ug/L		85	53 - 144
n-Butylbenzene	50.0	51.9		ug/L		104	68 - 125
N-Propylbenzene	50.0	48.9		ug/L		98	69 - 127
p-Isopropyltoluene	50.0	51.6		ug/L		103	70 - 125
sec-Butylbenzene	50.0	49.4		ug/L		99	70 - 123
Styrene	50.0	54.0		ug/L		108	70 - 120
tert-Butylbenzene	50.0	48.4		ug/L		97	70 - 121
1,1,1,2-Tetrachloroethane	50.0	49.2		ug/L		98	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.3		ug/L		95	62 - 140
Tetrachloroethene	50.0	48.2		ug/L		96	70 - 128
Tetrahydrofuran	100	83.3		ug/L		83	59 - 139
Toluene	50.0	51.7		ug/L		103	70 - 125
trans-1,2-Dichloroethene	50.0	51.6		ug/L		103	70 - 125
trans-1,3-Dichloropropene	50.0	48.0		ug/L		96	62 - 128
1,2,3-Trichlorobenzene	50.0	36.7		ug/L		73	51 - 145
1,2,4-Trichlorobenzene	50.0	40.2		ug/L		80	57 - 137
1,1,1-Trichloroethane	50.0	49.9		ug/L		100	70 - 125
1,1,2-Trichloroethane	50.0	48.1		ug/L		96	71 - 130
Trichloroethene	50.0	51.7		ug/L		103	70 - 125
Trichlorofluoromethane	50.0	50.5		ug/L		101	55 - 128
1,2,3-Trichloropropane	50.0	43.0		ug/L		86	50 - 133
1,2,4-Trimethylbenzene	50.0	49.1		ug/L		98	70 - 123
1,3,5-Trimethylbenzene	50.0	49.3		ug/L		99	70 - 123
Vinyl chloride	50.0	63.1		ug/L		126	64 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-685459/4
Matrix: Water
Analysis Batch: 685459

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	102		ug/L		102	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*80*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Sample ID: 500-225219-23 MS
Matrix: Water
Analysis Batch: 685459

Client Sample ID: P-20 SR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetone	5.2	J B	50.0	51.9		ug/L		93	40 - 143		
Benzene	<0.15		50.0	53.9		ug/L		108	70 - 120		
Bromobenzene	<0.36		50.0	50.3		ug/L		101	70 - 122		
Bromochloromethane	<0.43		50.0	58.1		ug/L		116	65 - 122		
Bromodichloromethane	<0.37		50.0	58.4		ug/L		117	69 - 120		
Bromoform	<0.48		50.0	62.2		ug/L		124	56 - 132		
Bromomethane	<0.80	* F1 ^c	50.0	109	F1	ug/L		217	40 - 152		
2-Butanone (MEK)	<2.1		50.0	47.5		ug/L		95	46 - 144		
Carbon disulfide	<0.45		50.0	56.2		ug/L		112	66 - 120		
Carbon tetrachloride	<0.38		50.0	55.8		ug/L		112	59 - 133		
Chlorobenzene	<0.39		50.0	54.6		ug/L		109	70 - 120		
Chloroethane	<0.51		50.0	65.2		ug/L		130	48 - 136		
Chloroform	<0.37		50.0	52.9		ug/L		106	70 - 120		
Chloromethane	<0.32		50.0	73.9		ug/L		148	56 - 152		
2-Chlorotoluene	<0.31		50.0	47.5		ug/L		95	70 - 125		
4-Chlorotoluene	<0.35		50.0	50.3		ug/L		101	68 - 124		
cis-1,2-Dichloroethene	<0.41		50.0	54.4		ug/L		109	70 - 125		
cis-1,3-Dichloropropene	<0.42		50.0	50.9		ug/L		102	64 - 127		
Dibromochloromethane	<0.49		50.0	59.6		ug/L		119	68 - 125		
1,2-Dibromo-3-Chloropropane	<2.0		50.0	46.3		ug/L		93	56 - 123		
1,2-Dibromoethane	<0.39		50.0	52.9		ug/L		106	70 - 125		
Dibromomethane	<0.27		50.0	55.5		ug/L		111	70 - 120		
1,2-Dichlorobenzene	<0.33		50.0	53.5		ug/L		107	70 - 125		
1,3-Dichlorobenzene	<0.40		50.0	50.2		ug/L		100	70 - 125		
1,4-Dichlorobenzene	<0.36		50.0	51.9		ug/L		104	70 - 120		
Dichlorodifluoromethane	<0.67		50.0	51.1		ug/L		102	40 - 159		
1,1-Dichloroethane	<0.41		50.0	51.7		ug/L		103	70 - 125		
1,2-Dichloroethane	<0.39		50.0	52.6		ug/L		105	68 - 127		
1,1-Dichloroethene	<0.39		50.0	52.8		ug/L		106	67 - 122		
1,2-Dichloropropane	<0.43		50.0	52.7		ug/L		105	67 - 130		
1,3-Dichloropropane	<0.36		50.0	53.5		ug/L		107	62 - 136		
2,2-Dichloropropane	<0.44		50.0	50.2		ug/L		100	58 - 139		
1,1-Dichloropropene	<0.30		50.0	51.5		ug/L		103	70 - 121		
Ethylbenzene	<0.18		50.0	53.2		ug/L		106	70 - 123		
Hexachlorobutadiene	<0.45		50.0	32.4		ug/L		65	51 - 150		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-225219-23 MS
Matrix: Water
Analysis Batch: 685459

Client Sample ID: P-20 SR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Isopropylbenzene	<0.39		50.0	49.6		ug/L		99	70 - 126
Methylene Chloride	<1.6		50.0	55.6		ug/L		111	69 - 125
Methyl tert-butyl ether	<0.39		50.0	51.9		ug/L		104	55 - 123
Naphthalene	<0.34		50.0	48.1		ug/L		96	53 - 144
n-Butylbenzene	<0.39		50.0	50.9		ug/L		102	68 - 125
N-Propylbenzene	<0.41		50.0	50.9		ug/L		102	69 - 127
p-Isopropyltoluene	<0.36		50.0	52.5		ug/L		105	70 - 125
sec-Butylbenzene	<0.40		50.0	50.9		ug/L		102	70 - 123
Styrene	<0.39		50.0	57.8		ug/L		116	70 - 120
tert-Butylbenzene	<0.40		50.0	51.0		ug/L		102	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	54.0		ug/L		108	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	54.1		ug/L		108	62 - 140
Tetrachloroethene	1.5		50.0	50.0		ug/L		97	70 - 128
Tetrahydrofuran	<1.9		100	96.1		ug/L		96	59 - 139
Toluene	0.26	J	50.0	53.7		ug/L		107	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	55.0		ug/L		110	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	52.9		ug/L		106	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	40.7		ug/L		81	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	42.0		ug/L		84	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	53.8		ug/L		108	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	52.4		ug/L		105	71 - 130
Trichloroethene	<0.16		50.0	55.0		ug/L		110	70 - 125
Trichlorofluoromethane	<0.43		50.0	49.5		ug/L		99	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	52.4		ug/L		105	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	51.6		ug/L		103	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	51.3		ug/L		103	70 - 123
Vinyl chloride	<0.20	F1	50.0	66.6	F1	ug/L		133	64 - 126
Xylenes, Total	<0.22		100	106		ug/L		106	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Sample ID: 500-225219-23 MSD
Matrix: Water
Analysis Batch: 685459

Client Sample ID: P-20 SR
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	5.2	J B	50.0	54.7		ug/L		99	40 - 143	5	20
Benzene	<0.15		50.0	53.3		ug/L		107	70 - 120	1	20
Bromobenzene	<0.36		50.0	50.1		ug/L		100	70 - 122	0	20
Bromochloromethane	<0.43		50.0	57.5		ug/L		115	65 - 122	1	20
Bromodichloromethane	<0.37		50.0	57.3		ug/L		115	69 - 120	2	20
Bromoform	<0.48		50.0	60.7		ug/L		121	56 - 132	2	20
Bromomethane	<0.80	* F1 ^c	50.0	103	F1	ug/L		205	40 - 152	6	20
2-Butanone (MEK)	<2.1		50.0	54.7		ug/L		109	46 - 144	14	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-225219-23 MSD
Matrix: Water
Analysis Batch: 685459

Client Sample ID: P-20 SR
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	54.9		ug/L		110	66 - 120	2	20
Carbon tetrachloride	<0.38		50.0	54.7		ug/L		109	59 - 133	2	20
Chlorobenzene	<0.39		50.0	54.2		ug/L		108	70 - 120	1	20
Chloroethane	<0.51		50.0	60.4		ug/L		121	48 - 136	8	20
Chloroform	<0.37		50.0	52.4		ug/L		105	70 - 120	1	20
Chloromethane	<0.32		50.0	67.4		ug/L		135	56 - 152	9	20
2-Chlorotoluene	<0.31		50.0	45.4		ug/L		91	70 - 125	4	20
4-Chlorotoluene	<0.35		50.0	48.1		ug/L		96	68 - 124	4	20
cis-1,2-Dichloroethene	<0.41		50.0	54.9		ug/L		110	70 - 125	1	20
cis-1,3-Dichloropropene	<0.42		50.0	50.6		ug/L		101	64 - 127	1	20
Dibromochloromethane	<0.49		50.0	59.8		ug/L		120	68 - 125	0	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	48.3		ug/L		97	56 - 123	4	20
1,2-Dibromoethane	<0.39		50.0	54.6		ug/L		109	70 - 125	3	20
Dibromomethane	<0.27		50.0	57.0		ug/L		114	70 - 120	3	20
1,2-Dichlorobenzene	<0.33		50.0	51.3		ug/L		103	70 - 125	4	20
1,3-Dichlorobenzene	<0.40		50.0	47.6		ug/L		95	70 - 125	5	20
1,4-Dichlorobenzene	<0.36		50.0	49.6		ug/L		99	70 - 120	4	20
Dichlorodifluoromethane	<0.67		50.0	48.8		ug/L		98	40 - 159	5	20
1,1-Dichloroethane	<0.41		50.0	51.5		ug/L		103	70 - 125	0	20
1,2-Dichloroethane	<0.39		50.0	52.5		ug/L		105	68 - 127	0	20
1,1-Dichloroethene	<0.39		50.0	52.3		ug/L		105	67 - 122	1	20
1,2-Dichloropropane	<0.43		50.0	51.7		ug/L		103	67 - 130	2	20
1,3-Dichloropropane	<0.36		50.0	54.6		ug/L		109	62 - 136	2	20
2,2-Dichloropropane	<0.44		50.0	49.6		ug/L		99	58 - 139	1	20
1,1-Dichloropropene	<0.30		50.0	50.2		ug/L		100	70 - 121	3	20
Ethylbenzene	<0.18		50.0	51.6		ug/L		103	70 - 123	3	20
Hexachlorobutadiene	<0.45		50.0	27.2		ug/L		54	51 - 150	17	20
Isopropylbenzene	<0.39		50.0	46.0		ug/L		92	70 - 126	8	20
Methylene Chloride	<1.6		50.0	55.6		ug/L		111	69 - 125	0	20
Methyl tert-butyl ether	<0.39		50.0	54.0		ug/L		108	55 - 123	4	20
Naphthalene	<0.34		50.0	47.2		ug/L		94	53 - 144	2	20
n-Butylbenzene	<0.39		50.0	43.7		ug/L		87	68 - 125	15	20
N-Propylbenzene	<0.41		50.0	46.6		ug/L		93	69 - 127	9	20
p-Isopropyltoluene	<0.36		50.0	45.5		ug/L		91	70 - 125	14	20
sec-Butylbenzene	<0.40		50.0	44.5		ug/L		89	70 - 123	13	20
Styrene	<0.39		50.0	56.8		ug/L		114	70 - 120	2	20
tert-Butylbenzene	<0.40		50.0	45.0		ug/L		90	70 - 121	13	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	54.4		ug/L		109	70 - 125	1	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	55.0		ug/L		110	62 - 140	2	20
Tetrachloroethene	1.5		50.0	47.9		ug/L		93	70 - 128	4	20
Tetrahydrofuran	<1.9		100	101		ug/L		101	59 - 139	5	20
Toluene	0.26	J	50.0	53.2		ug/L		106	70 - 125	1	20
trans-1,2-Dichloroethene	<0.35		50.0	54.0		ug/L		108	70 - 125	2	20
trans-1,3-Dichloropropene	<0.36		50.0	52.8		ug/L		106	62 - 128	0	20
1,2,3-Trichlorobenzene	<0.46		50.0	38.1		ug/L		76	51 - 145	6	20
1,2,4-Trichlorobenzene	<0.34		50.0	38.2		ug/L		76	57 - 137	9	20
1,1,1-Trichloroethane	<0.38		50.0	52.3		ug/L		105	70 - 125	3	20
1,1,2-Trichloroethane	<0.35		50.0	55.0		ug/L		110	71 - 130	5	20
Trichloroethene	<0.16		50.0	54.9		ug/L		110	70 - 125	0	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-225219-23 MSD
Matrix: Water
Analysis Batch: 685459

Client Sample ID: P-20 SR
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	47.9		ug/L		96	55 - 128	3	20
1,2,3-Trichloropropane	<0.41		50.0	53.0		ug/L		106	50 - 133	1	20
1,2,4-Trimethylbenzene	<0.36		50.0	48.1		ug/L		96	70 - 123	7	20
1,3,5-Trimethylbenzene	<0.25		50.0	47.1		ug/L		94	70 - 123	8	20
Vinyl chloride	<0.20	F1	50.0	61.5		ug/L		123	64 - 126	8	20
Xylenes, Total	<0.22		100	103		ug/L		103	70 - 125	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Sample ID: MB 500-685774/7
Matrix: Water
Analysis Batch: 685774

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			11/18/22 12:03	1
Benzene	<0.15		0.50	0.15	ug/L			11/18/22 12:03	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/18/22 12:03	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/18/22 12:03	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/18/22 12:03	1
Bromoform	<0.48		1.0	0.48	ug/L			11/18/22 12:03	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/18/22 12:03	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			11/18/22 12:03	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			11/18/22 12:03	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/18/22 12:03	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/18/22 12:03	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/18/22 12:03	1
Chloroform	<0.37		2.0	0.37	ug/L			11/18/22 12:03	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/18/22 12:03	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/18/22 12:03	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/18/22 12:03	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/18/22 12:03	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/18/22 12:03	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/18/22 12:03	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/18/22 12:03	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/18/22 12:03	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/18/22 12:03	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/18/22 12:03	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/18/22 12:03	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/18/22 12:03	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/18/22 12:03	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/18/22 12:03	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/18/22 12:03	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/18/22 12:03	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/18/22 12:03	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-685774/7
Matrix: Water
Analysis Batch: 685774

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/18/22 12:03	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/18/22 12:03	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/18/22 12:03	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/18/22 12:03	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/18/22 12:03	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 12:03	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/18/22 12:03	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/18/22 12:03	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/18/22 12:03	1
Naphthalene	0.524	J	1.0	0.34	ug/L			11/18/22 12:03	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/18/22 12:03	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/18/22 12:03	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/18/22 12:03	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 12:03	1
Styrene	<0.39		1.0	0.39	ug/L			11/18/22 12:03	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/18/22 12:03	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/18/22 12:03	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/18/22 12:03	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/18/22 12:03	1
Tetrahydrofuran	<1.9		10	1.9	ug/L			11/18/22 12:03	1
Toluene	<0.15		0.50	0.15	ug/L			11/18/22 12:03	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/18/22 12:03	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/18/22 12:03	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/18/22 12:03	1
1,2,4-Trichlorobenzene	0.358	J	1.0	0.34	ug/L			11/18/22 12:03	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/18/22 12:03	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/18/22 12:03	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/18/22 12:03	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/18/22 12:03	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/18/22 12:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/18/22 12:03	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/18/22 12:03	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/18/22 12:03	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/18/22 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*11/18/22 12:03*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*11/18/22 12:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*11/18/22 12:03*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*11/18/22 12:03*	*1*

Lab Sample ID: LCS 500-685774/5
Matrix: Water
Analysis Batch: 685774

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	45.2		ug/L		90	40 - 143
Benzene	50.0	53.4		ug/L		107	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-685774/5
Matrix: Water
Analysis Batch: 685774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	50.0	51.1		ug/L		102	70 - 122
Bromochloromethane	50.0	44.5		ug/L		89	65 - 122
Bromodichloromethane	50.0	53.2		ug/L		106	69 - 120
Bromoform	50.0	45.1		ug/L		90	56 - 132
Bromomethane	50.0	59.7		ug/L		119	40 - 152
2-Butanone (MEK)	50.0	37.9		ug/L		76	46 - 144
Carbon disulfide	50.0	45.4		ug/L		91	66 - 120
Carbon tetrachloride	50.0	49.2		ug/L		98	59 - 133
Chlorobenzene	50.0	51.8		ug/L		104	70 - 120
Chloroethane	50.0	48.6		ug/L		97	48 - 136
Chloroform	50.0	51.0		ug/L		102	70 - 120
Chloromethane	50.0	42.4		ug/L		85	56 - 152
2-Chlorotoluene	50.0	55.7		ug/L		111	70 - 125
4-Chlorotoluene	50.0	58.4		ug/L		117	68 - 124
cis-1,2-Dichloroethene	50.0	50.4		ug/L		101	70 - 125
cis-1,3-Dichloropropene	50.0	55.0		ug/L		110	64 - 127
Dibromochloromethane	50.0	47.7		ug/L		95	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.3		ug/L		87	56 - 123
1,2-Dibromoethane	50.0	54.8		ug/L		110	70 - 125
Dibromomethane	50.0	53.3		ug/L		107	70 - 120
1,2-Dichlorobenzene	50.0	50.7		ug/L		101	70 - 125
1,3-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 125
1,4-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 120
Dichlorodifluoromethane	50.0	52.1		ug/L		104	40 - 159
1,1-Dichloroethane	50.0	47.0		ug/L		94	70 - 125
1,2-Dichloroethane	50.0	53.3		ug/L		107	68 - 127
1,1-Dichloroethene	50.0	47.3		ug/L		95	67 - 122
1,2-Dichloropropane	50.0	48.4		ug/L		97	67 - 130
1,3-Dichloropropane	50.0	57.9		ug/L		116	62 - 136
2,2-Dichloropropane	50.0	53.1		ug/L		106	58 - 139
1,1-Dichloropropene	50.0	53.7		ug/L		107	70 - 121
Ethylbenzene	50.0	52.9		ug/L		106	70 - 123
Hexachlorobutadiene	50.0	51.0		ug/L		102	51 - 150
Isopropylbenzene	50.0	52.3		ug/L		105	70 - 126
Methylene Chloride	50.0	55.6		ug/L		111	69 - 125
Methyl tert-butyl ether	50.0	51.8		ug/L		104	55 - 123
Naphthalene	50.0	37.4		ug/L		75	53 - 144
n-Butylbenzene	50.0	57.7		ug/L		115	68 - 125
N-Propylbenzene	50.0	57.3		ug/L		115	69 - 127
p-Isopropyltoluene	50.0	52.3		ug/L		105	70 - 125
sec-Butylbenzene	50.0	53.6		ug/L		107	70 - 123
Styrene	50.0	55.5		ug/L		111	70 - 120
tert-Butylbenzene	50.0	51.6		ug/L		103	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/L		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	54.8		ug/L		110	62 - 140
Tetrachloroethene	50.0	52.0		ug/L		104	70 - 128
Tetrahydrofuran	100	78.6		ug/L		79	59 - 139
Toluene	50.0	54.9		ug/L		110	70 - 125
trans-1,2-Dichloroethene	50.0	50.1		ug/L		100	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-685774/5
Matrix: Water
Analysis Batch: 685774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	50.0	57.0		ug/L		114	62 - 128
1,2,3-Trichlorobenzene	50.0	42.4		ug/L		85	51 - 145
1,2,4-Trichlorobenzene	50.0	45.3		ug/L		91	57 - 137
1,1,1-Trichloroethane	50.0	52.3		ug/L		105	70 - 125
1,1,2-Trichloroethane	50.0	55.9		ug/L		112	71 - 130
Trichloroethene	50.0	46.8		ug/L		94	70 - 125
Trichlorofluoromethane	50.0	44.4		ug/L		89	55 - 128
1,2,3-Trichloropropane	50.0	54.3		ug/L		109	50 - 133
1,2,4-Trimethylbenzene	50.0	54.1		ug/L		108	70 - 123
1,3,5-Trimethylbenzene	50.0	53.4		ug/L		107	70 - 123
Vinyl chloride	50.0	47.4		ug/L		95	64 - 126
Xylenes, Total	100	115		ug/L		115	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*
Dibromofluoromethane (Surr)	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*
Toluene-d8 (Surr)	*108*		*75 - 120*

Lab Chronicle

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-26 S
Date Collected: 11/07/22 14:20
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685451	W1T	EET CHI	11/17/22 16:13
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/07/22 14:20

Client Sample ID: P-27 S
Date Collected: 11/07/22 16:05
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685451	W1T	EET CHI	11/17/22 16:35
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/07/22 16:05

Client Sample ID: P-27 D
Date Collected: 11/07/22 15:45
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685451	W1T	EET CHI	11/17/22 16:58
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/07/22 15:45

Client Sample ID: P-43 S
Date Collected: 11/08/22 08:27
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685451	W1T	EET CHI	11/17/22 17:21
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 08:27

Client Sample ID: P-43 I
Date Collected: 11/08/22 08:37
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685451	W1T	EET CHI	11/17/22 17:44
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 08:37

Client Sample ID: P-43 D
Date Collected: 11/08/22 09:47
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685451	W1T	EET CHI	11/17/22 18:06
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 09:47

Lab Chronicle

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-22 D
Date Collected: 11/08/22 10:35
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685451	W1T	EET CHI	11/17/22 18:29
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 10:35

Client Sample ID: P-22 E
Date Collected: 11/08/22 10:37
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685451	W1T	EET CHI	11/17/22 18:53
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 10:37

Client Sample ID: P-25 D
Date Collected: 11/08/22 11:40
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 14:13
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 11:40

Client Sample ID: P-25 BR
Date Collected: 11/08/22 11:35
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 14:37
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 11:35

Client Sample ID: FD-1
Date Collected: 11/08/22 00:00
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 15:00

Client Sample ID: P-40 I
Date Collected: 11/08/22 12:33
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 16:13
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 12:33

Client Sample ID: P-40 D
Lab Sample ID: 500-225219-13
Date Collected: 11/08/22 12:35
Matrix: Water
Date Received: 11/10/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 16:37
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 12:35

Client Sample ID: P-31 IA
Lab Sample ID: 500-225219-14
Date Collected: 11/08/22 14:12
Matrix: Water
Date Received: 11/10/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 17:00
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 14:12

Client Sample ID: P-31 IB
Lab Sample ID: 500-225219-15
Date Collected: 11/08/22 14:58
Matrix: Water
Date Received: 11/10/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 17:24
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 14:58

Client Sample ID: P-31 D
Lab Sample ID: 500-225219-16
Date Collected: 11/08/22 14:20
Matrix: Water
Date Received: 11/10/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 17:48
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 14:20

Client Sample ID: P-30 I
Lab Sample ID: 500-225219-17
Date Collected: 11/08/22 15:40
Matrix: Water
Date Received: 11/10/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 18:12
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 15:40

Client Sample ID: P-30 D
Lab Sample ID: 500-225219-18
Date Collected: 11/08/22 15:47
Matrix: Water
Date Received: 11/10/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 18:36
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/08/22 15:47

Lab Chronicle

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: P-18 S
Date Collected: 11/09/22 07:26
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 19:00
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/09/22 07:26

Client Sample ID: P-17 S
Date Collected: 11/09/22 08:18
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685774	JDD	EET CHI	11/18/22 16:43
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/09/22 08:18

Client Sample ID: P-23 S
Date Collected: 11/09/22 09:06
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685774	JDD	EET CHI	11/18/22 17:06
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/09/22 09:06

Client Sample ID: P-23 D
Date Collected: 11/09/22 09:10
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685774	JDD	EET CHI	11/18/22 17:28
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/09/22 09:10

Client Sample ID: P-20 SR
Date Collected: 11/09/22 10:25
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685459	W1T	EET CHI	11/17/22 19:24
Total/NA	Analysis	Field Sampling		1	686686	JVB	EET CHI	11/09/22 10:25

Client Sample ID: FD-2
Date Collected: 11/09/22 00:00
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685774	JDD	EET CHI	11/18/22 17:51

Lab Chronicle

Client: Cedar Corporation
Project/Site: Refuse Hideaway Landfill

Job ID: 500-225219-1

Client Sample ID: Trip Blank

Date Collected: 11/07/22 00:00
Date Received: 11/10/22 09:40

Lab Sample ID: 500-225219-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	685774	JDD	EET CHI	11/18/22 18:13

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: 500-225219-1
Project/Site: Refuse Hideaway Landfill

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: Ashley Wagner	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-106343-45214 2
Client Contact: Quin Lenz	Phone: 262-719-5242	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin:	Page: Page 1 of 3
Company: Cedar Corporation	PWSID:	Analysis Requested		Job #: 500-225219
Address: 1695 Bellevue Street	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)
City: Green Bay	TAT Requested (days):			
State, Zip: WI 54311	Compliance Project: Δ Yes Δ No			
Phone: 920-491-9081(Tel)	PO #: Purchase Order not required			
Email: quin.lenz@cedarcorp.com	WO #:			Other:
Project Name: Refuse Hideaway Landfill	Project #: 50020134			
Site:	SSOW#:			

500-225219 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)	8260B - VOC	524.2_Pres_PREC - VOC 524.2	Total Number of containers	Special Instructions/Note
	Preservation Code:							A	A		
1	P-26 S	11.9.22	1420	G	Water	N	N	3			
2	P-27 S		1605		Water			3			
3	P-27 D		1545		Water			3			
4	P-43 S	11.8.22	827		Water			3			
5	P-43 I		837		Water			3			
6	P-43 D		947		Water			3			
7	P-22 D		1035		Water			3			
8	P-22 E		1037		Water			3			
9	P-25 D		1140		Water			3			
10	P-25 BR		1135		Water			3			
11	FD-1		—		Water			3			

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	Ashley Wagner	11.9.22 1600	Cedar	Chris Koob	11/10/22 0940	EETC
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: 4.3-7.4.5

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins E ent e ing Amer c

Client Information	Sampler: Ashley Wagner	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-106343-45214 3
Client Contact: Quin Lenz	Phone: 262-719-5242	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin:	Page: Page 3 of 3
Company: Cedar Corporation	PWSID:	Analysis Requested		Job #: 500-225219
Address: 1695 Bellevue Street	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)
City: Green Bay	TAT Requested (days):			
State, Zip: WI 54311	Compliance Project: Δ Yes Δ No			
Phone: 920-491-9081(Tel)	PO #: Purchase Order not required			
Email: quin.lenz@cedarcorp.com	WO #:			
Project Name: Refuse Hideaway Landfill	Project #: 50020134			
Site:	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)	8260B - VOC	624.2_Pres_PREC - VOC 624.2	Total Number of containers	Special Instructions/Note
				Preservation Code:				A	A		
12	P-40 I	11.8.22	1233	G	Water	N	N	3			
13	P-40 D		1235		Water			3			
14	P-31 IA		1412		Water			3			
15	P-31 IB		1458		Water			3			
16	P-31 D		1420		Water			3			
17	P-30 I		1540		Water			3			
18	P-30 D		1547		Water			3			
19	P-18 S	11.9.22	726		Water			3			
20	P-17 S		818		Water			3			
21	P-23 S		906		Water			3			
22	P-23 D		910		Water			3			

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	Ashley Wagner	11.9.22 1600	Cedar	Shirkoot	11/10/22 0940	
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

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: Ashley Wagner	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-106343-45214 1
Client Contact: Quin Lenz	Phone: 262-719-5242	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin:	Page: Page 3 of 3
Company: Cedar Corporation	PWSID:	Analysis Requested		Job #: 500-225219
Address: 1695 Bellevue Street	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)
City: Green Bay	TAT Requested (days):			
State, Zip: WI 54311	Compliance Project: Δ Yes Δ No			
Phone: 920-491-9081(Tel)	PO #: Purchase Order not required			
Email: quin.lenz@cedarcorp.com	WO #:			
Project Name: Refuse Hideaway Landfill	Project #: 50020134			
Site:	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)	8260B - VOC	524.2_Pres_PREC - VOC 524.2	Total Number of containers	Special Instructions/Note
			Preservation Code:				A	A		
23 P-20 SR	11-9-22	1025	G	Water			3			
24 FD-2	↓	—	↓	Water			3			
MS		—		Water			2			
MSD		—		Water			2			
25 Trip Blank	—	—	—	Water			1			
				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
Ashley Wagner	11-9-22 1600	Cedar			
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

Login Sample Receipt Checklist

Client: Cedar Corporation

Job Number: 500-225219-1

Login Number: 225219
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	4.5
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	