

October 12, 2018

Steve Keith
Milwaukee County Department of Administrative Services
633 W Wisconsin Ave. Suite 1003
Milwaukee, Wisconsin 53203
stevan.keith@milwaukeecountywi.gov

**RE: Groundwater Sampling and Testing
Former Allis Chalmers Landfill
11815 West Morgan Avenue
Greenfield, Wisconsin**

Dear Mr. Keith:

The Reese Group, LLC (TRG) is pleased to submit this letter report to the Milwaukee County, Department of Administrative Services for professional consulting services at the Former Allis Chalmers Landfill located at 11815 West Morgan Avenue, Greenfield, Wisconsin. The following sections include a discussion of the Site background, a summary of prior investigations and site assessments performed at the Property, an inventory of existing monitoring well conditions, a discussion on methods of investigation, and a summary of results for groundwater samples collected from monitoring wells across the Site.

1.0 SITE BACKGROUND

The site is located at 11815 W Morgan Ave at the southwest corner of 116th Street and Morgan Ave in Greenfield, Wisconsin. The Site is generally located in the SW $\frac{1}{4}$ of Section 18, Range 21E, Township 6N. Site location is depicted on a United States Geologic Service (USGS) topographic map included as **Figure 1**.

Historically, the Site was owned by Price Sand and Gravel and operated as a sand and gravel mine prior to 1964. In 1964, the Allis Chalmers Corporation purchased the property for use as a foundry sand landfill. The landfill also accepted limited demolition debris and liquid foundry wastes. The Allis Chalmers Landfill was a WDNR-licensed (#293), solid waste facility that could accept foundry sand and other non-combustible inert materials. In 1998, Cuywreco, Inc., of Melrose Park, Illinois, purchased the property and capped the foundry sand landfill with a thin layer of clay soil. The Site is currently closed.

In 2017, Milwaukee County acquired the Property through tax delinquency. On March 28, 2018, the Wisconsin Department of Natural Resources conducted a compliance inspection of

the closed landfill. The inspection indicated that the landfill was not in compliance with the solid waste closed landfill requirements of Chapters NR 500 to 538 of the Wisconsin Administrative Code (WAC) or Wisconsin Statutes section 289. The WDNR issued a Notice of Noncompliance (NON) for the closed landfill on April 18, 2018.

Scope of Work

The primary purpose of this groundwater sampling investigation was to address items 1a through 1f listed in the Landfill Closure Plan section of the NON. The proposed scope of work included:

- Reviewing documents from prior investigations and site assessments to understand well locations and well construction, depth, etc.
- Meet with Milwaukee County staff.
- Assess the condition of each well and determine its suitability for future use; Identify any needed repairs.
- Re-develop eleven (11) existing wells in accordance with Ch. NR 141.21 of the WAC.
- Sample groundwater at all eleven (11) wells and analyze (field and laboratory) for select parameters including:
 - Alkalinity
 - Chemical Oxygen Demand (COD)
 - Conductivity
 - pH
 - Temperature
 - Fluoride
 - Groundwater elevation
 - Hardness
 - Sodium
 - VOCs per Appendix III of Ch. NR 507 WAC
- Abandon one (1) temporary well.
- Properly dispose of purge water.
- Preparation of a letter report that summarizes the results of the sampling event.

2.0 PREVIOUS INVESTIGATIONS

Graef, Anhalt, Schloemer & Associates, Inc.

In 1999, Graef, Anhalt, Schloemer & Associates, Inc. (GAS) conducted soil and groundwater investigations at the Site. The investigations consisted of the collection of soil samples from 14 test trenches and groundwater samples collected from on-site MWs. The samples were analyzed for diesel range organics (DRO), gasoline range organics (GRO), metals, pesticides, polychlorinated biphenyls (PCBs), base/neutral acid compounds, and volatile organic compounds (VOCs). Results from the investigation indicated elevated concentrations of metals and VOCs in groundwater.

In 2002, GAS conducted additional investigations to determine the thickness and total depth of foundry sand deposits at the Site. Forty-one (41) soil borings were advanced to native soils below the foundry sand fill. Foundry sand was encountered in soil borings at depths ranging to 35 ft below ground surface (bgs).

AMEC

AMEC conducted a Site investigation in two phases between June and August 2007. The investigation included the excavation of 34 test pits, advancement of 18 soil borings, and sampling and analysis of soil samples from the test pits and soil borings. AMEC also sampled groundwater and soil vapor through temporary monitoring wells installed at various locations across the Site. The groundwater sampling consisted of eleven monitoring wells (MW-A through MW-K), and groundwater samples were collected on two separate occasions in July and August 2007. The results of groundwater sampling indicated several regulatory exceedances for VOCs at monitoring wells MW-B, MW-G, MW-H, MW-I, MW-J, and TW-SB-11. Relatively low-level SVOCs were detected at two monitoring locations (MW-C and TW-SB-9). Additionally, several metals were detected in all the groundwater samples collected. Arsenic exceeded the Preventive Action Limits (PAL) at multiple monitoring locations, and lead exceeded the PAL at TW-SB-9. Zinc exceeded the Enforcement Standard (ES) at six monitoring locations and the PAL at two additional monitoring wells.

3.0 MONITORING WELL INVENTORY AND INSPECTION

The landfill monitoring wells were inspected on July 3, 2018 and September 25, 2018. Well inspection observations and comments were recorded on the WDNR Groundwater Monitoring Well Inspection Checklist for Landfills for each groundwater monitoring well

location. The inspection forms are contained in **Appendix A**. In general, the wells were in good condition with the following exceptions:

- The wells were not clearly labeled; the wells did not have a unique well number label attached to them.
- The protective cover pipe inhibits the well from being closed and locked at monitoring location MW-C.
- Neither soil nor clay are mounded over the seal to shed water away from the well (MW-A through MW-K).
- The PVC riser at monitoring well, MW-C, has moved from its original position – heaved (approximately 6”).
- Monitoring well, MW-G, has heaved from its original position (approximately 4”).

Recommendations:

- Determine if the well(s) have been assigned a Wisconsin Unique Well Number.
- Repair/reinstall monitoring location MW-C.
- Rehabilitate or replace monitoring location MW-F.
- Mound clay over the seal of each well to ensure water is directed away from the well.
- Resurvey all the wells to verify “Top of Casing” and “Ground Surface Elevation” at each location.

4.0 METHODS OF INVESTIGATION

Well Development - The monitoring well development consisted of surging and purging each of the monitoring wells with a 1 ½" bailer for a duration of 30 minutes to move formation water in and out of the well screens. After the final surge and purge cycle was completed, each well was evacuated until 10 well volumes of water were removed or until the well purged dry. The monitoring wells were purged and sampled with a peristaltic pump and dedicated poly tubing at each well location. The purge water was discharged at the point of generation at each monitoring well location with approval from David Buser from the Wisconsin Department of Natural Resources (Email Communication, July 6, 2018).

Water Level Elevation Measurements - Water level and well depth measurements were obtained using a Solinst water level indicator probe.

Water Quality Parameters - Water quality parameters including pH, dissolved oxygen (DO), specific conductivity (SC), and oxidation-reduction potential (ORP) were measured at each sample location using a YSI 556 water quality meter. The water quality meter was calibrated according to manufacturers specifications and recorded in the field log book prior to sampling.

Decontamination - The Solinst water level indicator, YSI 556 water quality meter, and flow-through cell used to collect groundwater samples were decontaminated with a solution of Alconox and deionized water rinse in between monitoring well locations.

Groundwater Sample Collection - Groundwater samples were collected in appropriate laboratory-supplied containers and properly preserved, where required, and immediately placed on ice in a cooler for shipment to the laboratory (CT Laboratories, LLC, Baraboo, WI). Groundwater samples were analyzed for alkalinity, COD, fluoride, hardness, sodium, and VOCs.

Groundwater samples were collected from each of the monitoring wells except for monitoring well MW-F, which purged dry and did not recover sufficiently within 24 hours to collect the groundwater sample. TRG returned to the Site 24 hours after redevelopment to try for a second time to sample the well without success. Additionally, TRG personnel observed small black solids, that were accumulated in MW-F creating an obstruction which prevented groundwater sample collection.

Temporary Monitoring Well Abandonment - One ¾" polyvinylchloride (PVC) temporary gas probe (VP-10) located in the west-central portion of the Site was abandoned with 3/8"

bentonite chips in accordance with NR 141.25 WAC. A Well/Drillhole/Borehole Filling & Sealing Report (Form 3300-005 [R 4/2015]) is included in **Appendix D**.

GROUNDWATER MONITORING RESULTS

The locations of the monitoring wells (MW-A through MW-K) are depicted on a detailed site map included as **Figure 2**. The results of laboratory analysis of groundwater samples collected at the Site are summarized in **Table 1**. Field water quality measurements and observations are included in **Table 2**. Groundwater elevation contours for groundwater measurements obtained on July 9, 2018 and September 25, 2018 are depicted on **Figure 3**. Groundwater analytical results for groundwater samples collected at each monitoring location are illustrated on **Figure 4**. Laboratory analytical reports are included as **Appendix B**. Photographic documentation of the monitoring well inspection and groundwater sampling conducted on Site is included in **Appendix C**.

The water table configuration for measurements recorded on July 9, 2018 and September 25, is presented on **Figure 3**. The apparent flow direction for shallow groundwater is toward the east-northeast. Please note that the groundwater elevation data was calculated using historical top-of-casing data. The general configuration of the water table and inferred groundwater flow direction are consistent with previous groundwater measurements. However, in *Section 3.0 Monitoring Well Inventory and Inspection* it is recommended that the “Top of Casing” and “Ground Surface Elevation” at each location be re-surveyed to verify the historical top-of-casing data is accurate.

VOCs were detected at five monitoring well locations (MW-E, MW-G, MW-H, MW-I, and MW-J) which included WDNR NR 141 ES exceedances for vinyl chloride (MW-E, MW-H, MW-I) and Preventive Action Limit (PAL) exceedances for trichloroethene (MW-G) and cis-1,2-Dichloroethene (MW-J). Four additional VOC compounds were detected in groundwater at the Site at levels below their applicable regulatory standards.

For the indicator parameters sampled:

- Total alkalinity ranged from 390 to 840 mg/L.
- Total COD ranged from non-detection at MW-A to 100 mg/L at MW-C.
- Fluoride was detected at all monitoring well locations, and exceeded the PAL at MW-D/MW-J and the ES at MW-B.



Please contact me at 414-326-4875 or treese@the-reese-group.com if you have any questions or require additional information regarding our submission.

Sincerely,

THE REESE GROUP, LLC

Christine A Reese, P.G.
President

TABLES

- Table 1 – Groundwater Monitoring Results**
- Table 2 – Field Water Quality Measurements and Observations**

Table 1
Groundwater Analytical Data
Former Allis Chalmers Landfill
11815 W Morgan Ave, Greenfield, WI

Monitoring Well Location	Enforcement Standard	Preventive Action Limit	A	B	C	D	E	F	G	H	I	J	K
Sample ID: Constituent			MW-A-GW 7/9/2018	MW-B-GW 7/9/2018	MW-C-GW 7/9/2018	MW-D-GW 7/9/2018	MW-E-GW 7/9/2018	MW-F-GW 7/9/2018	MW-G-GW 9/25/2018	MW-H-GW 9/25/2018	MW-I-GW 9/25/2018	MW-J-GW 9/25/2018	MW-K-GW 7/9/2018
Volatile Organic Compounds (ug/L)													
1,1,1,2-Tetrachloroethane	70	7	<0.60	<0.60	<0.60	<0.60	<0.60	NS	<0.60	<0.60	<0.60	<0.60	<0.60
1,1,1-Trichloroethane	200	40	<0.50	<0.50	<0.50	<0.50	<0.50	NS	0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.70	<0.70	<0.70	<0.70	<0.70	NS	<0.70	<0.70	<0.70	<0.70	<0.70
1,1,2-Trichloroethane	5	0.5	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
1,1-Dichloroethane	850	85	<0.30	<0.30	<0.30	<0.30	<0.30	NS	<0.30	<0.30	<0.30	<0.30	<0.30
1,1-Dichloroethene	7	0.7	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
1,1-Dichloropropene	NE	NE	<0.70	<0.70	<0.70	<0.70	<0.70	NS	<0.70	<0.70	<0.70	<0.70	<0.70
1,2,3-Trichlorobenzene	NE	NE	<0.80	<0.80	<0.80	<0.80	<0.80	NS	<0.80	<0.80	<0.80	<0.80	<0.80
1,2,3-Trichloropropane	60	12	<0.60	<0.60	<0.60	<0.60	<0.60	NS	<0.60	<0.60	<0.60	<0.60	<0.60
1,2,4-Trichlorobenzene	70	14	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	480	96	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
1,2-Dibromo-3-Chloropropane	0.2	0.02	<0.70	<0.70	<0.70	<0.70	<0.70	NS	<0.70	<0.70	<0.70	<0.70	<0.70
1,2-Dibromoethane	0.05	0.005	<0.60	<0.60	<0.60	<0.60	<0.60	NS	<0.60	<0.60	<0.60	<0.60	<0.60
1,2-Dichlorobenzene	600	60	<0.60	<0.60	<0.60	<0.60	<0.60	NS	<0.60	<0.60	<0.60	<0.60	<0.60
1,2-Dichloroethane	5	0.5	<0.26	<0.26	<0.26	<0.26	<0.26	NS	<0.26	<0.26	<0.26	<0.26	<0.26
1,2-Dichloropropane	5	0.5	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
1,3,5-Trimethylbenzene	480	96	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
1,3-Dichlorobenzene	600	120	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropane	NE	NE	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.60	<0.60	<0.60	<0.60	<0.60	NS	<0.60	<0.60	<0.60	<0.60	<0.60
2,2-Dichloropropane	NE	NE	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
2-Butanone	4000	800	<4.0	<4.0	<4.0	<4.0	<4.0	NS	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NE	NE	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
2-Hexanone	NE	NE	<7.0	<7.0	<7.0	<7.0	<7.0	NS	<7.0	<7.0	<7.0	<7.0	<7.0
4-Chlorotoluene	NE	NE	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
4-Methyl-2-pentanone	500	50	<6.0	<6.0	<6.0	<6.0	<6.0	NS	<6.0	<6.0	<6.0	<6.0	<6.0
Acetone	9000	1800	<9.0	<9.0	<9.0	<9.0	<9.0	NS	<9.0	<9.0	<9.0	<9.0	<9.0
Benzene	5	0.5	<0.24	<0.24	<0.24	<0.24	<0.24	NS	<0.24	<0.24	<0.24	<0.24	<0.24
Bromobenzene	NE	NE	<0.60	<0.60	<0.60	<0.60	<0.60	NS	<0.60	<0.60	<0.60	<0.60	<0.60
Bromochloromethane	NE	NE	<0.80	<0.80	<0.80	<0.80	<0.80	NS	<0.80	<0.80	<0.80	<0.80	<0.80
Bromodichloromethane	0.6	0.06	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
Bromoform	4.4	0.44	<0.70	<0.70	<0.70	<0.70	<0.70	NS	<0.70	<0.70	<0.70	<0.70	<0.70
Bromomethane	10	1	<0.70	<0.70	<0.70	<0.70	<0.70	NS	<0.70	<0.70	<0.70	<0.70	<0.70
Carbon disulfide	1000	200	<0.50	<0.50	<0.50	<0.50	5.2	NS	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	5	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene	100	20	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane	400	80	<0.50	<0.50	<0.50	<0.50	1.5	NS	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroform	6	0.6	<0.30	<0.30	<0.30	<0.30	<0.30	NS	<0.30	<0.30	<0.30	<0.30	<0.30
Chloromethane	30	3	<0.70	<0.70	<0.70	<0.70	<0.70	NS	<0.70	<0.70	<0.70	<0.70	<0.70
cis-1,2-Dichloroethene	70	7	<0.30	<0.30	<0.30	<0.30	<0.30	NS	2.6	5.3	6.4	13	<0.30
cis-1,3-Dichloropropene	NE	NE	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
Dibromochloromethane	60	6	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
Dibromomethane	NE	NE	<0.80	<0.80	<0.80	<0.80	<0.80	NS	<0.80	<0.80	<0.80	<0.80	<0.80 Y
Dichlorodifluoromethane	1000	200	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
Diisopropyl ether	NE	NE	<0.29	<0.29	<0.29	<0.29	<0.29	NS	<0.29	<0.29	<0.29	<0.29	<0.29
Ethylbenzene	700	140	<0.30	<0.30	<0.30	<0.30	<0.30	NS	<0.30	<0.30	<0.30	<0.30	<0.30
Hexachlorobutadiene	NE	NE	<0.90	<0.90	<0.90	<0.90	<0.90	NS	<0.90	<0.90	<0.90	<0.90	<0.90
Isopropylbenzene	NE	NE	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
m&p-Xylene	2000	400	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether	60	12	<0.30	<0.30	<0.30	<0.30	<0.30	NS	<0.30	<0.30	<0.30	<0.30	<0.30
Methylene Chloride	5	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
Naphthalene	100	10	<0.70	<0.70	<0.70	<0.70	<0.70	NS	<0.70	<0.70	<0.70	<0.70	<0.70
n-Butylbenzene	NE	NE	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
N-Propylbenzene	NE	NE	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
o-Xylene	2000	400	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
p-Isopropyltoluene	NE	NE	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50 Y
sec-Butylbenzene	NE	NE	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
Styrene	100	10	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
tert-Butylbenzene	NE	NE	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
Tetrachloroethane	5	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrahydrofuran	50	10	<3.0	<3.0	<3.0	<3.0	<3.0	NS	<3.0	<3.0	<3.0	<3.0	<3.0
Toluene	800	160	<0.30	<0.30	<0.30	<0.30	<0.30	NS	<0.30	<0.30	<0.30	<0.30	<0.30
trans-1,2-Dichloroethene	100	20	<0.60	<0.60	<0.60	<0.60	<0.60	NS	<0.60	<0.60	<0.60	<0.60	<0.60
trans-1,3-Dichloropropene	NE	NE	<0.40	<0.40	<0.40	<0.40	<0.40	NS	<0.40	<0.40	<0.40	<0.40	<0.40
Trichloroethene	5	0.5	<0.30	<0.30	<0.30	<0.30	<0.30	NS	3.6	<0.30	<0.30	<0.30	<0.30
Trichlorofluoromethane	3490	698	<0.30	<0.30	<0.30	<0.30	<0.30	NS	<0.30	<0.30	<0.30	<0.30	<0.30
Vinyl acetate	NE	NE	<3.0	<3.0	<3.0	<3.0	<3.0	NS	<3.0	<3.0	<3.0	<3.0	<3.0
Vinyl chloride	0.2	0.02	<0.19	<0.19	<0.19	<0.19	0.32	NS	<0.19	2.1	3.6	<0.19	<0.19
Xylenes, Total	2000	400	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<0.50	<0.50	<0.50
Inorganic Results (mg/L)													
Alkalinity, Total	NE	NE	480	680	430	470	840	NS	790	390	440	530	500
COD, Total	NE	NE	<14 M	80	100	52	53	NS	66	16	35	42	40
Fluoride, Total	4	0.8	0.22	5.5	0.14	2.0	0.71	NS	0.30	0.59	0.61	1.0	0.74
Hardness, Total	NE	NE	637	537	954	505	713	NS	890	475	639	865	

Table 2
 Groundwater Sampling Field Data Sheet
 Former Allis Chalmers Landfill
 11815 W Morgan Ave, Greenfield, WI

Monitoring Well Location	A	B	C	D	E	F	K
Water Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date of Level	7/9/2018	7/9/2018	7/9/2018	7/9/2018	7/9/2018	7/9/2018	7/9/2018
Depth Reference Point (e.g., top of riser)	TOR	TOR	TOR	TOR	TOR	TOR	TOR
Elevation to TOR (amsl)	750.09	755.02	769.01	754.02	744.46	787.48	787.78
Depth from TOR to Ground Surface (ft)	2.08	2.19	2.60	3.08	2.29	2.21	2.04
Measured Depth to Water (ft.)	11.85	18.92	30.25	21.88	10.05	49.40	49.48
Groundwater Elevation (amsl)	738.24	736.10	738.76	732.14	734.41	738.08	738.30
Measured Well Depth (ft.)	28.76	29.46	38.82	42.14	20.40	52.15	60.53
Purging/Sampling Device(s)	Bailer/Pump	Bailer/Pump	Bailer/Pump	Bailer/Pump	Bailer/Pump	Bailer/Pump	Bailer/Pump
Target Purge Volume (gallons)	27.6	17.2	14.0	33.1	16.9	4.5	18.0
Date Purging Completed	7/9/2018	7/9/2018	7/9/2018	7/9/2018	7/9/2018	7/9/2018	7/9/2018
Volume Purged (gallons)	28	17.5	14.0	33.5	17.0	3.0	18.0
Did Well Purge Dry? (Y or N)	No	No	No	No	No	Yes	No
Date Sample Withdrawn	7/9/2018	7/9/2018	7/9/2018	7/9/2018	7/9/2018	NS	7/9/2018
Sampled by	LKK	LKK	LKK	LKK	LKK	LKK	LKK
Color	Clear	Light brown	Orange/brown	Clear	Clear	Brown/black	Clear
Odor	None	Slight	None	None	None	NS	None
Turbidity (no, low, med./mod., high)	None	Med-Mod	Med-Mod	None	None	NS	Low
Temperature	11.41	12.15	13.42	12.06	10.70	NS	12.09
Dissolved Oxygen (mg/l)	4.19	1.29	6.08	7.40	3.61	NS	3.15
Specific Conductivity (umho/cm)	1135	896	1213	1206	1281	NS	1395
pH (standard units)	7.41	7.43	7.12	7.61	7.39	NS	7.15
Oxidation Reduction Potential (ORP)	254.2	-169.9	146.9	15.5	-69.1	NS	44.6
Other Field Comments						Groundwater was not recoverable from well after purging dry. Also, some black solids preventing water flow (possibly ants).	
Notes:							
All monitoring wells were surged and purged with a bailer and sampled with a peristaltic pump.							
NS = not sampled							
TOC = top of casing							

Table 2
Groundwater Sampling Field Data Sheet
Former Allis Chalmers Landfill
11815 W Morgan Ave, Greenfield, WI

Monitoring Well Location	G	H	I	J
Water Type	Groundwater	Groundwater	Groundwater	Groundwater
Date of Level	9/25/2018	9/25/2018	9/25/2018	9/25/2018
Depth Reference Point (e.g., top of riser)	TOR	TOR	TOR	TOR
Elevation to TOR (amsl)	731.71	731.51	732.44	732.89
Depth from TOR to Ground Surface (ft)	3.67	3.83	4.96	6.83
Measured Depth to Water (ft.)	2.22	4.33	5.30	7.44
Groundwater Elevation (amsl)	729.49	727.18	727.14	725.45
Measured Well Depth (ft.)	18.14	36.76	18.35	21.46
Purging/Sampling Device(s)	Bailer/Pump	Bailer/Pump	Bailer/Pump	Bailer/Pump
Target Purge Volume (gallons)	26.0	52.9	21.3	22.9
Date Purging Completed	9/25/2018	9/25/2018	9/25/2018	9/25/2018
Volume Purged (gallons)	26.0	45.0	21.0	23.0
Did Well Purge Dry? (Y or N)	N	Y	N	Y
Date Sample Withdrawn	9/25/2018	9/25/2018	9/25/2018	9/25/2018
Sampled by	LKK	LKK	LKK	LKK
Color	Clear	Clear	LB/orange	LB/orange
Odor	None	None	None	None
Turbidity (no, low, med./mod., high)	None	None	Low	Low
Temperature	15.05	14.39	14.45	14.01
Dissolved Oxygen (mg/l)	3.38	3.59	4.10	4.59
Specific Conductivity (umho/cm)	1764	1549	1461	1202
pH (standard units)	7.15	7.82	7.76	7.57
Oxidation Reduction Potential (ORP)	-11.2	-59.2	-42.9	32.3
Other Field Comments				
Notes:				
All monitoring wells were surged and purged with a bailer and sampled with a peristaltic pump.				
NS = not sampled				
TOC = top of casing				

FIGURES

Figure 1 – Site Location Map

Figure 2 – Detailed Site Map

Figure 3 – Water Table Elevation Data, July 9, 2018 and September 25, 2018

Figure 4 – Groundwater Results Map

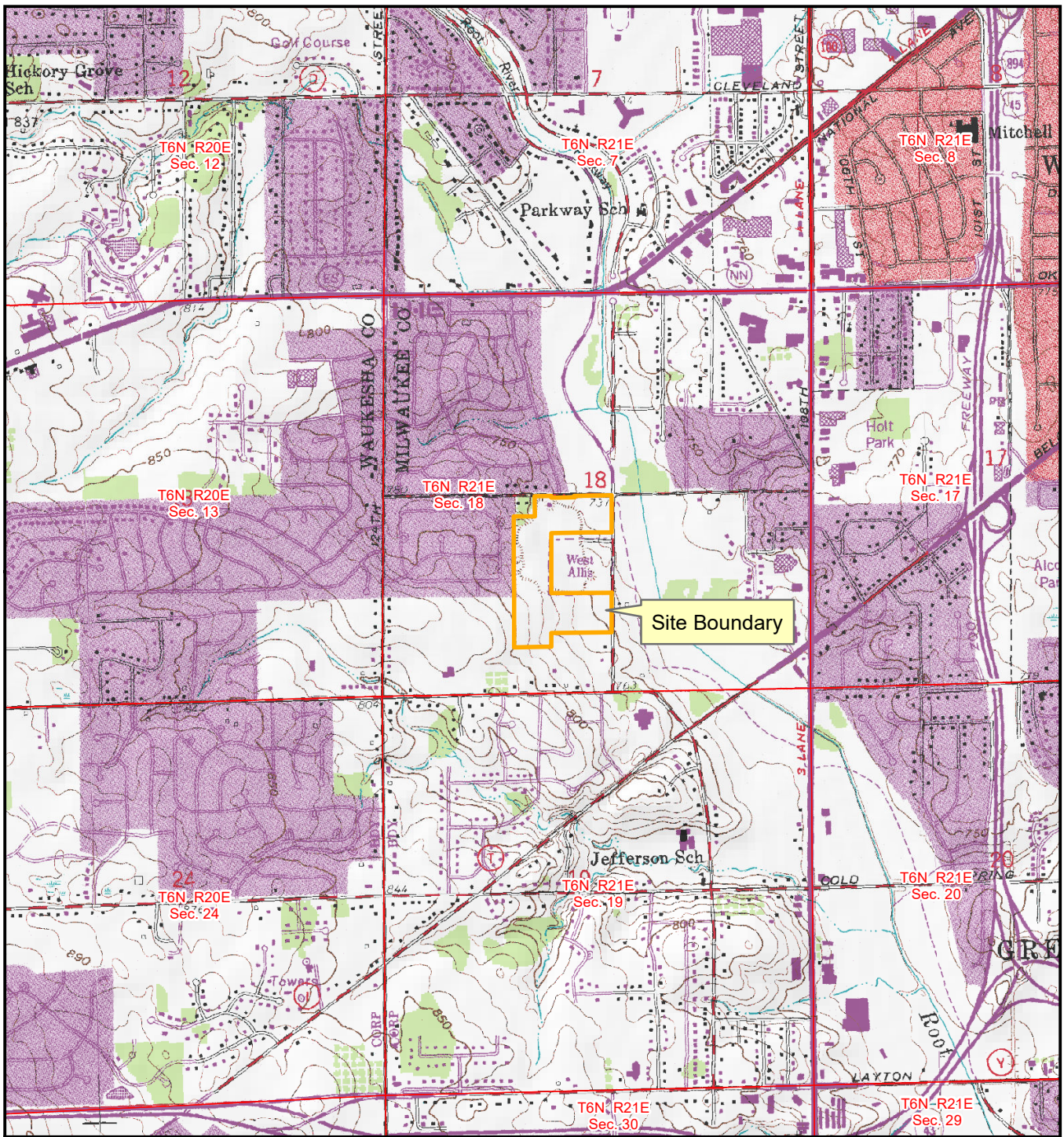


FIGURE 1 - SITE LOCATION MAP

**ALLIS CHALMERS LANDFILL
11815 W MORGAN AVE.
GREENFIELD, WI**



- Site Boundary
- Section

1:24,000



0 0.5 1 Miles

Source: Hales Corners, WI 1959 (Revised 1994)
USGS 7.5" series topographic map



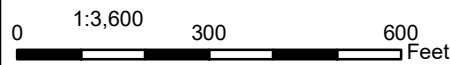


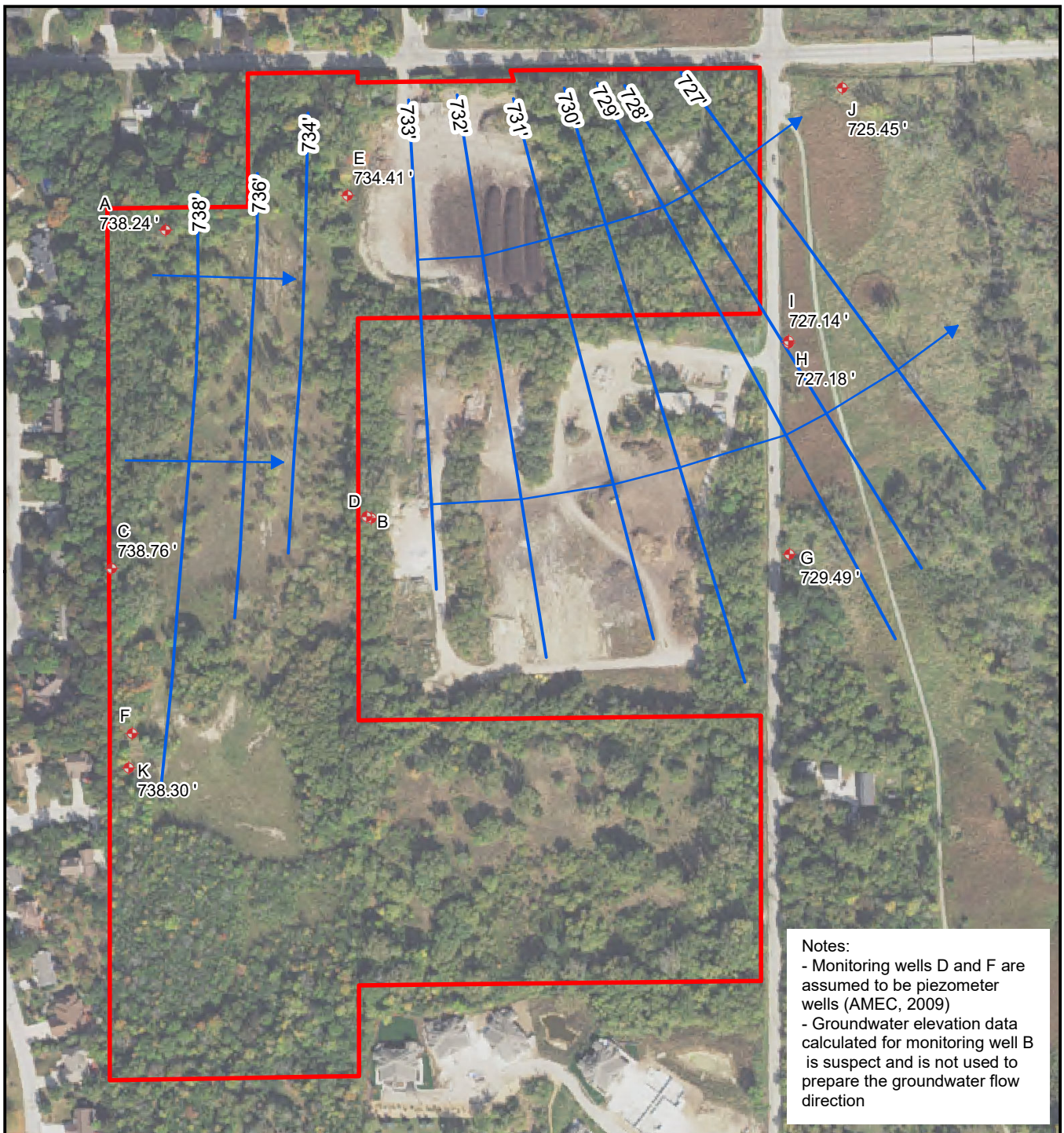
FIGURE 2 - DETAILED SITE MAP

**ALLIS CHALMERS LANDFILL
11815 W MORGAN AVE.
GREENFIELD, WI**

- Monitoring Well
- Project Area
- Parcel Boundary

Source:
National Agriculture Imagery Program, 2017





Notes:
 - Monitoring wells D and F are assumed to be piezometer wells (AMEC, 2009)
 - Groundwater elevation data calculated for monitoring well B is suspect and is not used to prepare the groundwater flow direction

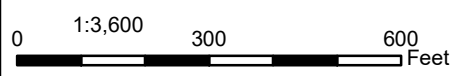


FIGURE 3 - WATER TABLE ELEVATION DATA, 7/9/2018 & 9/25/18

**ALLIS CHALMERS LANDFILL
 11815 W MORGAN AVE.
 GREENFIELD, WI**

- ◆ Monitoring Well/Groundwater elevation data
- ➔ Groundwater Flow Direction
- Groundwater Contour
- Project Area

Source: National Agriculture Imagery Program, 2017



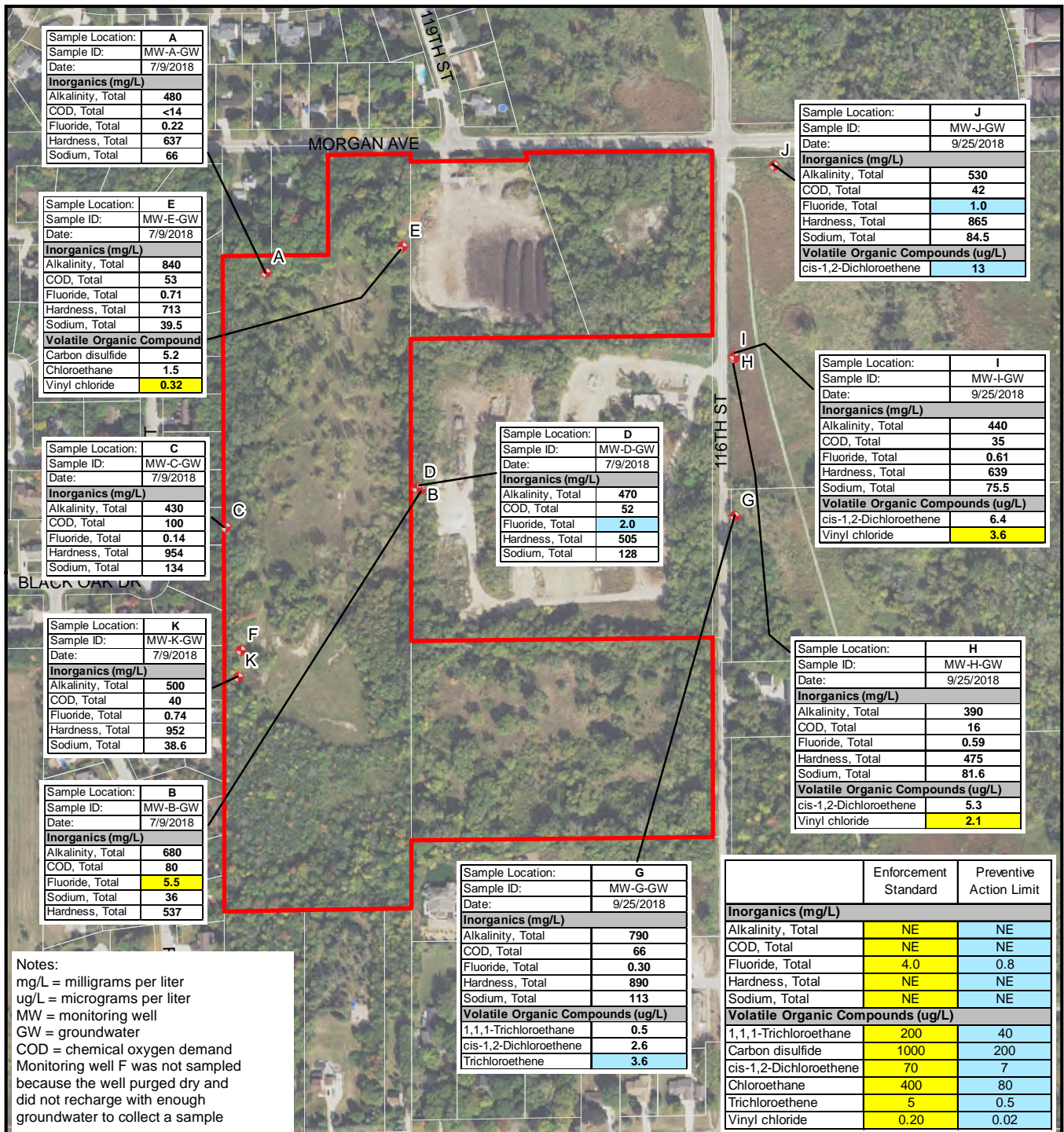


FIGURE 4 - GROUNDWATER RESULTS MAP

ALLIS CHALMERS LANDFILL
11815 W MORGAN AVE.
GREENFIELD, WI



- Monitoring Well
- Project Area
- Parcel Boundary



Source:
 National Agriculture Imagery Program, 2017



Appendices

Appendix A – Groundwater Monitoring Well Inspection Checklists

Appendix B – Laboratory Analytical Reports

**Appendix C – Photographic Documentation of Monitoring Well Inspection and
Groundwater Sampling**

Appendix D – Well/Drill Hole/Borehole Filling & Sealing Report (Form 300- 005 [R 4/2015])

Attachment 1: Groundwater Monitoring Well Inspection Checklist

Facility Name: <i>Alis-Chalmers Corp Landfill</i>						
Facility License/ID #: <i>293</i>			Facility Location: <i>Greenfield, WI</i>		Inspection Date: <i>7-3-2018</i>	
Inspector Name: <i>Lee Kimbell</i>						
Items Inspected	Point ID	<i>201 (CA06A)</i>	Point ID	<i>202 (CA07D)</i>	Point ID	<i>203 (CA07I)</i>
	Name	<i>A</i>	Name	<i>B</i>	Name	<i>C</i>
Is the well clearly labeled on the outside of the well?	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>
Is the well easily found?	<i>Yes</i>	<i>Yes, in the woods</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
Is the well locked?	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
Does the well have a metal protective cover pipe?	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
Is the pipe at least 24 inches above ground?	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
Does the pipe inhibit the well from being closed and locked?	<i>Yes</i> <i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>Yes</i>	<i>Yes</i>
Is the pipe more than 4 inches above the well top making it difficult to record accurate water levels?	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>
Is the well cap vented? Except for wells also used for gas monitoring.	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>
Surface seal type:	<i>Concrete w/ soil cover</i>	<i>Concrete, soil cover</i>	<i>Concrete, soil cover</i>	<i>Concrete, soil cover</i>	<i>Concrete, soil cover</i>	<i>Concrete, soil cover</i>
Is the seal in good condition?	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
Is soil or clay mounded over the seal sloped to shed water away from the well?	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>
If bentonite, is it covered with native soil to reduce bentonite desiccation?	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
Has the well moved from its original position? (e.g. heaved, sunk, bent)	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>Yes, riser heaved approx. 6"</i>	<i>Yes, riser heaved approx. 6"</i>
Is a groundwater elevation reference measuring point established on the inner casing?	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
Is there evidence of water ponding around the well casing?	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>
If flush mounted well	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
Can it be locked?	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
Is the well in an area that will not pond water?	<i>Yes</i> <i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
Is it installed through an impervious surface? (surface type)	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
Is the steel cover water tight?	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
Does the well have a water tight cap?	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
Is additional protection necessary such as bumper posts?	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>
Other comments:						

Please give a summary report of action items that need repair or maintenance to the landfill owner/operator.

Attachment 1: Groundwater Monitoring Well Inspection Checklist

Facility Name: Allis Chalmers Corp Landfill						
Facility License/ID #: 293			Facility Location: Greenfield, WI			
Inspector Name: Lee Kimball			Inspection Date: 7-3-2018			
Items Inspected	Point ID	204	Point ID	205	Point ID	206
	Name	D	Name	E	Name	F
Is the well clearly labeled on the outside of the well?	No		No		No	
Is the well easily found?	Yes		Yes		Yes	
Is the well locked?	Yes		Yes		Yes	
Does the well have a metal protective cover pipe?	Yes		Yes		Yes	
Is the pipe at least 24 inches above ground?	Yes		Yes		Yes	
Does the pipe inhibit the well from being closed and locked?	No		No		No	
Is the pipe more than 4 inches above the well top making it difficult to record accurate water levels?	No		No		No	
Is the well cap vented? Except for wells also used for gas monitoring.	No		No			
Surface seal type:	Concrete, soil cover		Concrete, soil cover		Concrete, soil cover	
Is the seal in good condition?	Yes		Yes		Yes	
Is soil or clay mounded over the seal sloped to shed water away from the well?	No		No		No	
If bentonite, is it covered with native soil to reduce bentonite desiccation?	Na		Na		Na	
Has the well moved from its original position? (e.g. heaved, sunk, bent)	No		No		No	
Is a groundwater elevation reference measuring point established on the inner casing?	Yes		Yes		Yes	
Is there evidence of water ponding around the well casing?	No		No		No	
If flush mounted well	Na		Na		Na	
Can it be locked?	Na		Na		Na	
Is the well in an area that will not pond water?	Na		Na		Na	
Is it installed through an impervious surface? (surface type)	Na		Na		Na	
Is the steel cover water tight?	Na		Na		Na	
Does the well have a water tight cap?	Na		Na		Na	
Is additional protection necessary such as bumper posts?	No		No		No	
Other comments:						

Please give a summary report of action items that need repair or maintenance to the landfill owner/operator.

Attachment 1: Groundwater Monitoring Well Inspection Checklist

Facility Name: <i>Allis Chalmers Corp Landfill</i>		Facility License/ID #: <i>293</i>		Facility Location: <i>Greenfield, WI</i>	
Inspector Name: <i>Lee Kimbell</i>		Inspection Date: <i>7-3-18</i>			
Items Inspected	Point ID	<i>211</i>	Point ID		Point ID
	Name	<i>K</i>	Name		Name
Is the well clearly labeled on the outside of the well?	<i>No</i>				
Is the well easily found?	<i>Yes</i>				
Is the well locked?	<i>Yes</i>				
Does the well have a metal protective cover pipe?	<i>Yes</i>				
Is the pipe at least 24 inches above ground?	<i>Yes</i>				
Does the pipe inhibit the well from being closed and locked?	<i>No</i>				
Is the pipe more than 4 inches above the well top making it difficult to record accurate water levels?	<i>No</i>				
Is the well cap vented? Except for wells also used for gas monitoring.	<i>No</i>				
Surface seal type:	<i>Concrete, soil cover</i>				
Is the seal in good condition?	<i>Yes</i>				
Is soil or clay mounded over the seal sloped to shed water away from the well?	<i>No</i>				
If bentonite, is it covered with native soil to reduce bentonite desiccation?	<i>Na</i>				
Has the well moved from its original position? (e.g. heaved, sunk, bent)	<i>No</i>				
Is a groundwater elevation reference measuring point established on the inner casing?	<i>Yes</i>				
Is there evidence of water ponding around the well casing?	<i>No</i>				
If flush mounted well	<i>Na</i>				
Can it be locked?	<i>Na</i>				
Is the well in an area that will not pond water?	<i>Na</i>				
Is it installed through an impervious surface? (surface type)	<i>Na</i>				
Is the steel cover water tight?	<i>Na</i>				
Does the well have a water tight cap?	<i>Na</i>				
Is additional protection necessary such as bumper posts?	<i>Na</i>				
Other comments:					

Please give a summary report of action items that need repair or maintenance to the landfill owner/operator.

Attachment 1: Groundwater Monitoring Well Inspection Checklist

Facility Name:	All's Chalmers LF					
Facility License/ID #:	293			Facility Location	All's Chalmers LF	
Inspector Name:	LKK			Inspection Date	9/25/18	
Items Inspected	Point ID		Point ID		Point ID	
	Name	MW-G	Name	MW-H	Name	MW-I
Is the well clearly labeled on the outside of the well?	No		No		No	
Is the well easily found?	Yes		Yes		Yes	
Is the well locked?	Yes		Yes		Yes	
Does the well have a metal protective cover pipe?	Yes		Yes		Yes	
Is the pipe at least 24 inches above ground?	Yes		Yes		Yes	
Does the pipe inhibit the well from being closed and locked?	No		No		No	
Is the pipe more than 4 inches above the well top making it difficult to record accurate water levels?	Yes		No		Yes	
Is the well cap vented? Except for wells also used for gas monitoring.	No		No		No	
Surface seal type:	concrete, in fact, yes		concrete		concrete	
Is the seal in good condition?	Yes		Yes		Yes	
Is soil or clay mounded over the seal sloped to shed water away from the well?	No		No		No	
If bentonite, is it covered with native soil to reduce bentonite desiccation?	No NA		NA		NA	
Has the well moved from its original position? (e.g. heaved, sunk, bent)	maybe heaved ~4"-6"		No		No	
Is a groundwater elevation reference measuring point established on the inner casing?	Yes		Yes		Yes	
Is there evidence of water ponding around the well casing?	No		No		No	
If flush mounted well	NA		NA		NA	
Can it be locked?	NA		NA		NA	
Is the well in an area that will not pond water?	NI		NA		NA	
Is it installed through an impervious surface? (surface type)	NA		NA		NA	
Is the steel cover water tight?	NA		NA		NA	
Does the well have a water tight cap?	NA		NA		NA	
Is additional protection necessary such as bumper posts?	No		No		No	
Other comments:	No label, needs soil around base		No label, soil should be mounded around base		No label, base needs soil added	

Please give a summary report of action items that need repair or maintenance to the landfill owner/operator.

Attachment 1: Groundwater Monitoring Well Inspection Checklist

Facility Name:		Allis Chalmers LF	
Facility License/ID #:		293	Facility Location: Greenfield, VT
Inspector Name:		Lee Kiabell	Inspection Date: 9/25/18
Items Inspected	Point ID		Point ID
	Name	MW-5	Name
Is the well clearly labeled on the outside of the well?	No		
Is the well easily found?	Yes		
Is the well locked?	Yes		
Does the well have a metal protective cover pipe?	Yes		
Is the pipe at least 24 inches above ground?	Yes		
Does the pipe inhibit the well from being closed and locked?	No		
Is the pipe more than 4 inches above the well top making it difficult to record accurate water levels?	Yes		
Is the well cap vented? Except for wells also used for gas monitoring.	No		
Surface seal type:	Concrete		
Is the seal in good condition?	Yes		
Is soil or clay mounded over the seal sloped to shed water away from the well?	No		
If bentonite, is it covered with native soil to reduce bentonite desiccation?	NA		
Has the well moved from its original position? (e.g. heaved, sunk, bent)	No		
Is a groundwater elevation reference measuring point established on the inner casing?	Yes		
Is there evidence of water ponding around the well casing?	No		
If flush mounted well	NA		
Can it be locked?	NA		
Is the well in an area that will not pond water?	NA		
Is it installed through an impervious surface? (surface type)	NA		
Is the steel cover water tight?	NA		
Does the well have a water tight cap?	NA		
Is additional protection necessary such as bumper posts?	No		
Other comments:	No label, stick up is very tall, needs soil around base		

Please give a summary report of action items that need repair or maintenance to the landfill owner/operator.

ANALYTICAL REPORT

THE REESE GROUP

TINA REESE

310 E BUFFALO ST

SUITE 106

MILWAUKEE, WI 53202

Copy: LKIMBELL@THE-REESE-GROUP.COM

Project Name: ALLIS-CHALMERS LF

Project Phase:

Contract #: 3197

Project #:

Folder #: 137679

Purchase Order #:

Page 1 of 24

Arrival Temperature: 4.8

Report Date: 07/25/2018

Date Received: 07/12/2018

Reprint Date: 07/25/2018

CT LAB Sample#: 147817 Sample Description: MW-K-GW

License/Well #: 00293/211 Sampled: 07/09/2018 0730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	500	mg/L	6.0	19	1			07/16/2018 14:36	MEZ	EPA 310.2
Total COD	40	mg/L	14 *	46	1		07/17/2018 13:00	07/17/2018 16:35	MEZ	EPA 410.4
Total Fluoride	0.74	mg/L	0.12	0.41	1			07/18/2018 18:23	TMG	EPA 9056A
Metals Results										
Total Sodium	38.6	mg/L	0.10	0.35	1		07/16/2018 10:43	07/18/2018 09:41	MDS	EPA 6010C
Total Hardness	952	mg/L	0.13	0.42	1		07/16/2018 10:43	07/17/2018 21:28	NAH	SM2340B/6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			07/19/2018 12:04	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			07/19/2018 12:04	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			07/19/2018 12:04	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			07/19/2018 12:04	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			07/19/2018 12:04	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			07/19/2018 12:04	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			07/19/2018 12:04	AGK	EPA 8260C

CT LAB Sample#: 147817 Sample Description: MW-K-GW

License/Well #: 00293/211 Sampled: 07/09/2018 0730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			07/19/2018 12:04	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			07/19/2018 12:04	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			07/19/2018 12:04	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2018 12:04	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			07/19/2018 12:04	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			07/19/2018 12:04	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 12:04	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			07/19/2018 12:04	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			07/19/2018 12:04	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2018 12:04	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			07/19/2018 12:04	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 12:04	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			07/19/2018 12:04	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 12:04	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			07/19/2018 12:04	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			07/19/2018 12:04	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			07/19/2018 12:04	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			07/19/2018 12:04	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			07/19/2018 12:04	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			07/19/2018 12:04	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			07/19/2018 12:04	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 12:04	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			07/19/2018 12:04	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2018 12:04	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			07/19/2018 12:04	AGK	EPA 8260C

CT LAB Sample#: 147817 Sample Description: MW-K-GW

License/Well #: 00293/211 Sampled: 07/09/2018 0730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.70	ug/L	0.70	2.4	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1	Y	07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1	Y	07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		07/19/2018 12:04	07/19/2018 12:04	AGK	EPA 8260C

CT LAB Sample#: 147817 Sample Description: MW-K-GW

License/Well #: 00293/211 Sampled: 07/09/2018 0730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Styrene	<0.50	ug/L	0.50	1.7	1			07/19/2018 12:04	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			07/19/2018 12:04	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			07/19/2018 12:04	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			07/19/2018 12:04	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			07/19/2018 12:04	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			07/19/2018 12:04	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			07/19/2018 12:04	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			07/19/2018 12:04	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			07/19/2018 12:04	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			07/19/2018 12:04	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			07/19/2018 12:04	AGK	EPA 8260C

CT LAB Sample#: 147818 Sample Description: MW-C-GW

License/Well #: 00293/203 Sampled: 07/09/2018 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	430	mg/L	6.0	19	1			07/16/2018 14:38	MEZ	EPA 310.2
Total COD	100	mg/L	14	46	1		07/17/2018 13:00	07/17/2018 16:35	MEZ	EPA 410.4
Total Fluoride	0.14	mg/L	0.12 *	0.41	1			07/18/2018 21:43	TMG	EPA 9056A
Metals Results										
Total Sodium	134	mg/L	0.10	0.35	1		07/16/2018 10:43	07/18/2018 09:54	MDS	EPA 6010C
Total Hardness	954	mg/L	0.13	0.42	1		07/16/2018 10:43	07/17/2018 22:18	NAH	SM2340B/6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			07/19/2018 15:00	AGK	EPA 8260C

CT LAB Sample#: 147818 Sample Description: MW-C-GW

License/Well #: 00293/203 Sampled: 07/09/2018 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			07/19/2018 15:00	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			07/19/2018 15:00	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			07/19/2018 15:00	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			07/19/2018 15:00	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			07/19/2018 15:00	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			07/19/2018 15:00	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			07/19/2018 15:00	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			07/19/2018 15:00	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			07/19/2018 15:00	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2018 15:00	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			07/19/2018 15:00	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			07/19/2018 15:00	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 15:00	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			07/19/2018 15:00	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			07/19/2018 15:00	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2018 15:00	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			07/19/2018 15:00	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 15:00	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			07/19/2018 15:00	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 15:00	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			07/19/2018 15:00	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			07/19/2018 15:00	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			07/19/2018 15:00	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			07/19/2018 15:00	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			07/19/2018 15:00	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 147818 Sample Description: MW-C-GW

License/Well #: 00293/203 Sampled: 07/09/2018 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<9.0	ug/L	9.0	30	1			07/19/2018 15:00	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			07/19/2018 15:00	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 15:00	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			07/19/2018 15:00	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2018 15:00	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			07/19/2018 15:00	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			07/19/2018 15:00	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			07/19/2018 15:00	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			07/19/2018 15:00	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			07/19/2018 15:00	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			07/19/2018 15:00	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			07/19/2018 15:00	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			07/19/2018 15:00	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			07/19/2018 15:00	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			07/19/2018 15:00	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2018 15:00	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			07/19/2018 15:00	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			07/19/2018 15:00	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			07/19/2018 15:00	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			07/19/2018 15:00	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			07/19/2018 15:00	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			07/19/2018 15:00	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			07/19/2018 15:00	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			07/19/2018 15:00	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			07/19/2018 15:00	AGK	EPA 8260C

CT LAB Sample#: 147818 Sample Description: MW-C-GW

License/Well #: 00293/203 Sampled: 07/09/2018 0850

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2018 15:00	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			07/19/2018 15:00	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			07/19/2018 15:00	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			07/19/2018 15:00	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			07/19/2018 15:00	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2018 15:00	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			07/19/2018 15:00	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			07/19/2018 15:00	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			07/19/2018 15:00	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			07/19/2018 15:00	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			07/19/2018 15:00	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			07/19/2018 15:00	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			07/19/2018 15:00	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			07/19/2018 15:00	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			07/19/2018 15:00	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			07/19/2018 15:00	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			07/19/2018 15:00	AGK	EPA 8260C

CT LAB Sample#: 147819 Sample Description: MW-A-GW

License/Well #: 00293/201 Sampled: 07/09/2018 0945

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	480	mg/L	6.0	19	1			07/16/2018 14:39	MEZ	EPA 310.2
Total COD	<14	mg/L	14	46	1	M	07/17/2018 13:00	07/17/2018 16:35	MEZ	EPA 410.4

CT LAB Sample#: 147819 Sample Description: MW-A-GW

License/Well #: 00293/201 Sampled: 07/09/2018 0945

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Fluoride	0.22	mg/L	0.12 *	0.41	1			07/18/2018 19:43	TMG	EPA 9056A
Metals Results										
Total Sodium	66.0	mg/L	0.10	0.35	1		07/16/2018 10:43	07/18/2018 09:56	MDS	EPA 6010C
Total Hardness	637	mg/L	0.13	0.42	1		07/16/2018 10:43	07/17/2018 22:26	NAH	SM2340B/6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			07/19/2018 17:56	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			07/19/2018 17:56	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			07/19/2018 17:56	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			07/19/2018 17:56	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			07/19/2018 17:56	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			07/19/2018 17:56	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			07/19/2018 17:56	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			07/19/2018 17:56	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			07/19/2018 17:56	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			07/19/2018 17:56	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2018 17:56	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			07/19/2018 17:56	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			07/19/2018 17:56	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 17:56	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			07/19/2018 17:56	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			07/19/2018 17:56	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2018 17:56	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			07/19/2018 17:56	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 17:56	AGK	EPA 8260C

CT LAB Sample#: 147819 Sample Description: MW-A-GW

License/Well #: 00293/201 Sampled: 07/09/2018 0945

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			07/19/2018 17:56	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 17:56	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			07/19/2018 17:56	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			07/19/2018 17:56	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			07/19/2018 17:56	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			07/19/2018 17:56	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			07/19/2018 17:56	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			07/19/2018 17:56	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			07/19/2018 17:56	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 17:56	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			07/19/2018 17:56	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2018 17:56	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			07/19/2018 17:56	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			07/19/2018 17:56	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			07/19/2018 17:56	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			07/19/2018 17:56	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			07/19/2018 17:56	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			07/19/2018 17:56	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			07/19/2018 17:56	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			07/19/2018 17:56	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			07/19/2018 17:56	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			07/19/2018 17:56	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2018 17:56	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			07/19/2018 17:56	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			07/19/2018 17:56	AGK	EPA 8260C

CT LAB Sample#: 147819 Sample Description: MW-A-GW

License/Well #: 00293/201 Sampled: 07/09/2018 0945

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		07/19/2018	17:56	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		07/19/2018	17:56	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		07/19/2018	17:56	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		07/19/2018	17:56	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		07/19/2018	17:56	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		07/19/2018	17:56	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		07/19/2018	17:56	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		07/19/2018	17:56	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		07/19/2018	17:56	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		07/19/2018	17:56	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		07/19/2018	17:56	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		07/19/2018	17:56	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		07/19/2018	17:56	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		07/19/2018	17:56	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		07/19/2018	17:56	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		07/19/2018	17:56	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		07/19/2018	17:56	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		07/19/2018	17:56	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		07/19/2018	17:56	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		07/19/2018	17:56	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		07/19/2018	17:56	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		07/19/2018	17:56	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		07/19/2018	17:56	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		07/19/2018	17:56	AGK	EPA 8260C

CT LAB Sample#: 147820 Sample Description: MW-E-GW

License/Well #: 00293/205 Sampled: 07/09/2018 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total COD	53	mg/L	14	46	1		07/17/2018 13:00	07/17/2018 16:35	MEZ	EPA 410.4
Total Fluoride	0.71	mg/L	0.12	0.41	1			07/18/2018 20:03	TMG	EPA 9056A
Alkalinity	840	mg/L	4.0	4.0	1			07/17/2018 15:50	MEZ	SM 2320B
Metals Results										
Total Sodium	39.5	mg/L	0.10	0.35	1		07/16/2018 10:43	07/18/2018 09:59	MDS	EPA 6010C
Total Hardness	713	mg/L	0.13	0.42	1		07/16/2018 10:43	07/17/2018 22:33	NAH	SM2340B/6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			07/19/2018 13:33	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			07/19/2018 13:33	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			07/19/2018 13:33	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			07/19/2018 13:33	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			07/19/2018 13:33	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			07/19/2018 13:33	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			07/19/2018 13:33	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			07/19/2018 13:33	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			07/19/2018 13:33	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			07/19/2018 13:33	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2018 13:33	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			07/19/2018 13:33	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			07/19/2018 13:33	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 13:33	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			07/19/2018 13:33	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			07/19/2018 13:33	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 147820 Sample Description: MW-E-GW

License/Well #: 00293/205 Sampled: 07/09/2018 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1		07/19/2018	13:33	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		07/19/2018	13:33	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		07/19/2018	13:33	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		07/19/2018	13:33	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		07/19/2018	13:33	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		07/19/2018	13:33	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		07/19/2018	13:33	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		07/19/2018	13:33	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		07/19/2018	13:33	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		07/19/2018	13:33	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		07/19/2018	13:33	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		07/19/2018	13:33	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		07/19/2018	13:33	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		07/19/2018	13:33	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		07/19/2018	13:33	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		07/19/2018	13:33	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		07/19/2018	13:33	AGK	EPA 8260C
Carbon disulfide	5.2	ug/L	0.50	1.6	1		07/19/2018	13:33	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		07/19/2018	13:33	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		07/19/2018	13:33	AGK	EPA 8260C
Chloroethane	1.5	ug/L	0.50 *	1.6	1		07/19/2018	13:33	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		07/19/2018	13:33	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		07/19/2018	13:33	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		07/19/2018	13:33	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		07/19/2018	13:33	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 147820 Sample Description: MW-E-GW

License/Well #: 00293/205 Sampled: 07/09/2018 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		07/19/2018 13:33	07/19/2018 13:33	AGK	EPA 8260C

CT LAB Sample#: 147820 Sample Description: MW-E-GW License/Well #: 00293/205 Sampled: 07/09/2018 1030

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<3.0	ug/L	3.0	11	1			07/19/2018 13:33	AGK	EPA 8260C
Vinyl chloride	0.32	ug/L	0.19 *	0.64	1			07/19/2018 13:33	AGK	EPA 8260C

CT LAB Sample#: 147821 Sample Description: MW-B-GW License/Well #: 00293/202 Sampled: 07/09/2018 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Alkalinity Total	680	mg/L	6.0	19	1			07/16/2018 14:44	MEZ	EPA 310.2
Total COD	80	mg/L	14	46	1		07/17/2018 13:00	07/17/2018 16:35	MEZ	EPA 410.4
Total Fluoride	5.5	mg/L	0.60	2.1	5			07/19/2018 08:51	TMG	EPA 9056A

Metals Results

Total Sodium	36.0	mg/L	0.10	0.35	1		07/16/2018 10:43	07/18/2018 10:02	MDS	EPA 6010C
Total Hardness	537	mg/L	0.13	0.42	1		07/16/2018 10:43	07/17/2018 22:41	NAH	SM2340B/6010C

Organic Results

1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			07/19/2018 14:02	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			07/19/2018 14:02	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			07/19/2018 14:02	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			07/19/2018 14:02	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			07/19/2018 14:02	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			07/19/2018 14:02	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			07/19/2018 14:02	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			07/19/2018 14:02	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			07/19/2018 14:02	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			07/19/2018 14:02	AGK	EPA 8260C

CT LAB Sample#: 147821 Sample Description: MW-B-GW

License/Well #: 00293/202 Sampled: 07/09/2018 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2018 14:02	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			07/19/2018 14:02	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			07/19/2018 14:02	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 14:02	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			07/19/2018 14:02	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			07/19/2018 14:02	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2018 14:02	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			07/19/2018 14:02	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 14:02	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			07/19/2018 14:02	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 14:02	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			07/19/2018 14:02	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			07/19/2018 14:02	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			07/19/2018 14:02	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			07/19/2018 14:02	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			07/19/2018 14:02	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			07/19/2018 14:02	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			07/19/2018 14:02	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 14:02	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			07/19/2018 14:02	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2018 14:02	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			07/19/2018 14:02	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			07/19/2018 14:02	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			07/19/2018 14:02	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			07/19/2018 14:02	AGK	EPA 8260C

CT LAB Sample#: 147821 Sample Description: MW-B-GW

License/Well #: 00293/202 Sampled: 07/09/2018 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		07/19/2018 14:02	07/19/2018 14:02	AGK	EPA 8260C

CT LAB Sample#: 147821 Sample Description: MW-B-GW

License/Well #: 00293/202 Sampled: 07/09/2018 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			07/19/2018 14:02	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			07/19/2018 14:02	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			07/19/2018 14:02	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			07/19/2018 14:02	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			07/19/2018 14:02	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			07/19/2018 14:02	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			07/19/2018 14:02	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			07/19/2018 14:02	AGK	EPA 8260C

CT LAB Sample#: 147822 Sample Description: MW-D-GW

License/Well #: 00293/204 Sampled: 07/09/2018 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	470	mg/L	6.0	19	1			07/16/2018 14:45	MEZ	EPA 310.2
Total COD	52	mg/L	14	46	1		07/17/2018 13:00	07/17/2018 16:35	MEZ	EPA 410.4
Total Fluoride	2.0	mg/L	0.12	0.41	1			07/18/2018 21:23	TMG	EPA 9056A
Metals Results										
Total Sodium	128	mg/L	0.10	0.35	1		07/16/2018 10:43	07/18/2018 10:12	MDS	EPA 6010C
Total Hardness	505	mg/L	0.13	0.42	1		07/16/2018 10:43	07/17/2018 22:48	NAH	SM2340B/6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			07/19/2018 14:31	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			07/19/2018 14:31	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			07/19/2018 14:31	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			07/19/2018 14:31	AGK	EPA 8260C

CT LAB Sample#: 147822 Sample Description: MW-D-GW

License/Well #: 00293/204 Sampled: 07/09/2018 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			07/19/2018 14:31	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			07/19/2018 14:31	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			07/19/2018 14:31	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			07/19/2018 14:31	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			07/19/2018 14:31	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			07/19/2018 14:31	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2018 14:31	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			07/19/2018 14:31	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			07/19/2018 14:31	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 14:31	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			07/19/2018 14:31	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			07/19/2018 14:31	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2018 14:31	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			07/19/2018 14:31	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 14:31	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			07/19/2018 14:31	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 14:31	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			07/19/2018 14:31	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			07/19/2018 14:31	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			07/19/2018 14:31	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			07/19/2018 14:31	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			07/19/2018 14:31	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			07/19/2018 14:31	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			07/19/2018 14:31	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 14:31	AGK	EPA 8260C

CT LAB Sample#: 147822 Sample Description: MW-D-GW

License/Well #: 00293/204 Sampled: 07/09/2018 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			07/19/2018 14:31	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2018 14:31	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			07/19/2018 14:31	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			07/19/2018 14:31	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			07/19/2018 14:31	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			07/19/2018 14:31	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			07/19/2018 14:31	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			07/19/2018 14:31	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			07/19/2018 14:31	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			07/19/2018 14:31	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			07/19/2018 14:31	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			07/19/2018 14:31	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			07/19/2018 14:31	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1			07/19/2018 14:31	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1			07/19/2018 14:31	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1			07/19/2018 14:31	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1			07/19/2018 14:31	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1			07/19/2018 14:31	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1			07/19/2018 14:31	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1			07/19/2018 14:31	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1			07/19/2018 14:31	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1			07/19/2018 14:31	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2018 14:31	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			07/19/2018 14:31	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			07/19/2018 14:31	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 147822 Sample Description: MW-D-GW

License/Well #: 00293/204 Sampled: 07/09/2018 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
o-Xylene	<0.40	ug/L	0.40	1.4	1		07/19/2018	14:31	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		07/19/2018	14:31	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		07/19/2018	14:31	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		07/19/2018	14:31	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		07/19/2018	14:31	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		07/19/2018	14:31	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		07/19/2018	14:31	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		07/19/2018	14:31	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		07/19/2018	14:31	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		07/19/2018	14:31	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		07/19/2018	14:31	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		07/19/2018	14:31	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		07/19/2018	14:31	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		07/19/2018	14:31	AGK	EPA 8260C

CT LAB Sample#: 147823 Sample Description: TRIP BLANK

License/Well #: 00293/999 Sampled: 07/09/2018 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1		07/19/2018	11:34	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1		07/19/2018	11:34	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1		07/19/2018	11:34	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1		07/19/2018	11:34	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1		07/19/2018	11:34	AGK	EPA 8260C

CT LAB Sample#: 147823 Sample Description: TRIP BLANK

License/Well #: 00293/999 Sampled: 07/09/2018 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			07/19/2018 11:34	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			07/19/2018 11:34	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			07/19/2018 11:34	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			07/19/2018 11:34	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			07/19/2018 11:34	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			07/19/2018 11:34	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			07/19/2018 11:34	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			07/19/2018 11:34	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 11:34	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			07/19/2018 11:34	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			07/19/2018 11:34	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			07/19/2018 11:34	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			07/19/2018 11:34	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 11:34	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			07/19/2018 11:34	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			07/19/2018 11:34	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			07/19/2018 11:34	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			07/19/2018 11:34	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			07/19/2018 11:34	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			07/19/2018 11:34	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			07/19/2018 11:34	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			07/19/2018 11:34	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			07/19/2018 11:34	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			07/19/2018 11:34	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			07/19/2018 11:34	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 147823 Sample Description: TRIP BLANK

License/Well #: 00293/999 Sampled: 07/09/2018 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C

CT LAB Sample#: 147823 Sample Description: TRIP BLANK

License/Well #: 00293/999 Sampled: 07/09/2018 1230

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1		07/19/2018 11:34	07/19/2018 11:34	AGK	EPA 8260C

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
 Project Manager
 608-356-2760

QC Qualifiers

Code	Description
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	Incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
 Wisconsin (DATCP) Bacteriology ID# 105-289
 Louisiana NELAP (primary) ID# ACC20160002
 Illinois NELAP Lab ID# 200073
 Kansas NELAP Lab ID# E-10368
 Virginia NELAP Lab ID# 460203
 Maryland Lab ID# WI00061
 ISO/IEC 17025-2005 A2LA Cert # 3806.01
 DoD-ELAP A2LA 3806.01
 GA EPD Stipulation ID ACC20160002

Company: *The Reese Group*

Project Contact: *Lee Kimbell*

Telephone: *2702108583*

Project Name: *Allis Chalmers LF*

Project #:

Location: *Greenfield, WI*

Sampled By: *Lee Kimbell*

CT

Folder #: *137679*

Company: *THE REESE GROUP*

Project: *ALLIS-CHALMERS LF*

Logged By: *DRT PM: ET*

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Program:
SM RCRA SDWA NPDES
Solid Waste Other _____

ID #

Report To:

EMAIL: *IKimbell@the-reese-group.com*

Company: *TRG*

Address:

Invoice To:*

EMAIL: *SAME*

Company: *TRG*

Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

ANALYSES REQUESTED

Turnaround Time

Normal RUSH*

Date Needed: _____

Rush analysis requires prior
CT Laboratories' approval

Surcharges:

24 hr 200%

2-3 days 100%

4-9 days 50%

Matrix:

GW - groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Filtered? Y/N

VOCs
Hardness/Sodium
Alkalinity/Fluoride
COD

Total # Containers

Designated MS/MSD

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED										Total # Containers	Designated MS/MSD	CT Lab ID # <i>Lab use only</i>
Date	Time						VOCs	Hardness/Sodium	Alkalinity/Fluoride	COD									
7/9/18	0730	GW	G		MW-K-GW	N	3	1	1	1							6	147817	
7/9/18	0850	GW	G		MW-C-GW	N	3	1	1	1							6	147818	
7/9/18	0945	GW	G		MW-A-GW	N	3	1	1	1							6	147819	
7/9/18	1030	GW	G		MW-E-GW	N	3	1	1	1							6	147820	
7/9/18	1115	GW	G		MW-B-GW	N	3	1	1	1							6	147821	
7/9/18	1200	GW	G		MW-D-GW	N	3	1	1	1							6	147822	
7/9/18	1230				Trip Blank		1										1	147823	

Relinquished By:

[Signature]

Date/Time

7/10/18 1800

Received By:

[Signature]

Date/Time

7/12/18 1200

Lab Use Only

Ice Present Yes No

Temp *4.8* IR Gun *19*

Received by:

Date/Time

Received for Laboratory by:

[Signature]

Date/Time

7/12/18 1205

Cooler # *5856*

Preventative Action Limit (PAL) Exceedances

07/25/2018

Location/Landfill: **ALLIS-CHALMERS LF**

License #: **00293**

Page 1 of 1

Well Description: MW-B-GW		Well #: 202		Sample Date		07/09/2018	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Fluoride	00951	5.5	0.8	4	0.60	mg/L	

Well Description: MW-D-GW		Well #: 204		Sample Date		07/09/2018	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Total Fluoride	00951	2.0	0.8	4	0.12	mg/L	

Well Description: MW-E-GW		Well #: 205		Sample Date		07/09/2018	
Parameter	DNR Parameter #	Result	PAL	ES	LOD	Units	
Vinyl chloride	39175	0.32	0.02	0.20	0.19	ug/L	

ANALYTICAL REPORT

THE REESE GROUP
 LEE KIMBELL
 310 E BUFFALO ST
 SUITE 106
 MILWAUKEE, WI 53202

Project Name: ALLIS-CHALMERS LF
 Project Phase:
 Contract #: 3197
 Project #:
 Folder #: 139801
 Purchase Order #:

Page 1 of 18
 Arrival Temperature: See COC
 Report Date: 10/11/2018
 Date Received: 09/27/2018
 Reprint Date: 10/11/2018

CT LAB Sample#: 185430	Sample Description: MW-G	Sampled: 09/25/2018 1315
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Total COD	66	mg/L	14	46	1		10/02/2018 12:00	10/02/2018 14:00	SAW	EPA 410.4
Total Fluoride	0.30	mg/L	0.12 *	0.41	1			10/05/2018 01:02	DGS	EPA 9056A
Alkalinity	790	mg/L	4.0	4.0	1			09/27/2018 15:00	SAW	SM 2320B
Metals Results										
Total Sodium	113	mg/L	0.10	0.35	1		10/01/2018 09:38	10/04/2018 01:30	NAH	EPA 6010C
Total Hardness	890	mg/L	0.13	0.42	1		10/01/2018 09:38	10/04/2018 01:30	NAH	SM2340B/6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			10/06/2018 18:47	AGK	EPA 8260C
1,1,1-Trichloroethane	0.50	ug/L	0.50 *	1.8	1			10/06/2018 18:47	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			10/06/2018 18:47	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			10/06/2018 18:47	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			10/06/2018 18:47	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			10/06/2018 18:47	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			10/06/2018 18:47	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 185430 Sample Description: MW-G

Sampled: 09/25/2018 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C

CT LAB Sample#: 185430 Sample Description: MW-G

Sampled: 09/25/2018 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Bromomethane	<0.70	ug/L	0.70	2.4	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
cis-1,2-Dichloroethene	2.6	ug/L	0.30	1.0	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		10/06/2018 18:47	10/06/2018 18:47	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 185430 Sample Description: MW-G Sampled: 09/25/2018 1315

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Styrene	<0.50	ug/L	0.50	1.7	1			10/06/2018 18:47	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			10/06/2018 18:47	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			10/06/2018 18:47	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			10/06/2018 18:47	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			10/06/2018 18:47	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			10/06/2018 18:47	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			10/06/2018 18:47	AGK	EPA 8260C
Trichloroethene	3.6	ug/L	0.30	1.0	1			10/06/2018 18:47	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			10/06/2018 18:47	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			10/06/2018 18:47	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			10/06/2018 18:47	AGK	EPA 8260C

CT LAB Sample#: 185431 Sample Description: MW-H Sampled: 09/25/2018 1430

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	390	mg/L	6.0	19	1			09/27/2018 14:49	SAW	EPA 310.2
Total COD	16	mg/L	14 *	46	1		10/02/2018 12:00	10/02/2018 14:00	SAW	EPA 410.4
Total Fluoride	0.59	mg/L	0.12	0.41	1			10/05/2018 02:22	DGS	EPA 9056A
Metals Results										
Total Sodium	81.6	mg/L	0.10	0.35	1		10/01/2018 09:38	10/04/2018 01:38	NAH	EPA 6010C
Total Hardness	475	mg/L	0.13	0.42	1		10/01/2018 09:38	10/04/2018 01:38	NAH	SM2340B/6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			10/06/2018 19:18	AGK	EPA 8260C

CT LAB Sample#: 185431 Sample Description: MW-H

Sampled: 09/25/2018 1430

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			10/06/2018 19:18	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			10/06/2018 19:18	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			10/06/2018 19:18	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			10/06/2018 19:18	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			10/06/2018 19:18	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			10/06/2018 19:18	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			10/06/2018 19:18	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			10/06/2018 19:18	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/06/2018 19:18	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			10/06/2018 19:18	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			10/06/2018 19:18	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			10/06/2018 19:18	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			10/06/2018 19:18	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			10/06/2018 19:18	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			10/06/2018 19:18	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			10/06/2018 19:18	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			10/06/2018 19:18	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			10/06/2018 19:18	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			10/06/2018 19:18	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			10/06/2018 19:18	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			10/06/2018 19:18	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			10/06/2018 19:18	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			10/06/2018 19:18	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			10/06/2018 19:18	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			10/06/2018 19:18	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 185431 Sample Description: MW-H

Sampled: 09/25/2018 1430

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Acetone	<9.0	ug/L	9.0	30	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
cis-1,2-Dichloroethene	5.3	ug/L	0.30	1.0	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		10/06/2018 19:18	10/06/2018 19:18	AGK	EPA 8260C

CT LAB Sample#: 185431 Sample Description: MW-H

Sampled: 09/25/2018 1430

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1			10/06/2018 19:18	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1			10/06/2018 19:18	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1			10/06/2018 19:18	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1			10/06/2018 19:18	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1			10/06/2018 19:18	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1			10/06/2018 19:18	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1			10/06/2018 19:18	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1			10/06/2018 19:18	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1			10/06/2018 19:18	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1			10/06/2018 19:18	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1			10/06/2018 19:18	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1			10/06/2018 19:18	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1			10/06/2018 19:18	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1			10/06/2018 19:18	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1			10/06/2018 19:18	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1			10/06/2018 19:18	AGK	EPA 8260C
Vinyl chloride	2.1	ug/L	0.19	0.64	1			10/06/2018 19:18	AGK	EPA 8260C

CT LAB Sample#: 185432 Sample Description: MW-I

Sampled: 09/25/2018 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	440	mg/L	6.0	19	1			09/27/2018 14:50	SAW	EPA 310.2
Total COD	35	mg/L	14 *	46	1		10/02/2018 12:00	10/02/2018 14:00	SAW	EPA 410.4

CT LAB Sample#: 185432 Sample Description: MW-I

Sampled: 09/25/2018 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Total Fluoride	0.61	mg/L	0.12	0.41	1			10/05/2018 02:42	DGS	EPA 9056A
Metals Results										
Total Sodium	75.5	mg/L	0.10	0.35	1		10/01/2018 09:38	10/04/2018 02:07	NAH	EPA 6010C
Total Hardness	639	mg/L	0.13	0.42	1		10/01/2018 09:38	10/04/2018 02:07	NAH	SM2340B/6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			10/06/2018 19:48	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			10/06/2018 19:48	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			10/06/2018 19:48	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			10/06/2018 19:48	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			10/06/2018 19:48	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			10/06/2018 19:48	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			10/06/2018 19:48	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			10/06/2018 19:48	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			10/06/2018 19:48	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/06/2018 19:48	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			10/06/2018 19:48	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			10/06/2018 19:48	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			10/06/2018 19:48	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			10/06/2018 19:48	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			10/06/2018 19:48	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			10/06/2018 19:48	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			10/06/2018 19:48	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			10/06/2018 19:48	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			10/06/2018 19:48	AGK	EPA 8260C

CT LAB Sample#: 185432 Sample Description: MW-I

Sampled: 09/25/2018 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
cis-1,2-Dichloroethene	6.4	ug/L	0.30	1.0	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C

CT LAB Sample#: 185432 Sample Description: MW-I

Sampled: 09/25/2018 1525

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C
Vinyl chloride	3.6	ug/L	0.19	0.64	1		10/06/2018 19:48	10/06/2018 19:48	AGK	EPA 8260C

CT LAB Sample#: 185433 Sample Description: MW-J

Sampled: 09/25/2018 1700

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Alkalinity Total	530	mg/L	6.0	19	1			09/27/2018 14:52	SAW	EPA 310.2
Total COD	42	mg/L	14 *	46	1		10/02/2018 12:00	10/02/2018 14:00	SAW	EPA 410.4
Total Fluoride	1.0	mg/L	0.12	0.41	1			10/05/2018 03:02	DGS	EPA 9056A
Metals Results										
Total Sodium	84.5	mg/L	0.10	0.35	1		10/01/2018 09:38	10/04/2018 02:15	NAH	EPA 6010C
Total Hardness	865	mg/L	0.13	0.42	1		10/01/2018 09:38	10/04/2018 02:15	NAH	SM2340B/6010C
Organic Results										
1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			10/06/2018 20:19	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			10/06/2018 20:19	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			10/06/2018 20:19	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			10/06/2018 20:19	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			10/06/2018 20:19	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			10/06/2018 20:19	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			10/06/2018 20:19	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			10/06/2018 20:19	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			10/06/2018 20:19	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/06/2018 20:19	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			10/06/2018 20:19	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			10/06/2018 20:19	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			10/06/2018 20:19	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			10/06/2018 20:19	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			10/06/2018 20:19	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			10/06/2018 20:19	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 185433 Sample Description: MW-J

Sampled: 09/25/2018 1700

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
cis-1,2-Dichloroethene	13	ug/L	0.30	1.0	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1		10/06/2018 20:19	10/06/2018 20:19	AGK	EPA 8260C

Unless specifically stated to the contrary, soil/sediment/sludge sample results/LOD/LOQ/RLs were reported on a Dry Weight Basis

CT LAB Sample#: 185433 Sample Description: MW-J

Sampled: 09/25/2018 1700

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Dibromomethane	<0.80	ug/L	0.80	2.5	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		10/06/2018 20:19	20:19	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		10/06/2018 20:19	20:19	AGK	EPA 8260C

CT LAB Sample#: 185433 Sample Description: MW-J Sampled: 09/25/2018 1700

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl acetate	<3.0	ug/L	3.0	11	1			10/06/2018 20:19	AGK	EPA 8260C
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			10/06/2018 20:19	AGK	EPA 8260C

CT LAB Sample#: 185434 Sample Description: TB-01 Sampled: 09/25/2018 1730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

1,1,1,2-Tetrachloroethane	<0.60	ug/L	0.60	1.9	1			10/06/2018 12:41	AGK	EPA 8260C
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.8	1			10/06/2018 12:41	AGK	EPA 8260C
1,1,2,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1			10/06/2018 12:41	AGK	EPA 8260C
1,1,2-Trichloroethane	<0.40	ug/L	0.40	1.5	1			10/06/2018 12:41	AGK	EPA 8260C
1,1-Dichloroethane	<0.30	ug/L	0.30	1.1	1			10/06/2018 12:41	AGK	EPA 8260C
1,1-Dichloroethene	<0.40	ug/L	0.40	1.5	1			10/06/2018 12:41	AGK	EPA 8260C
1,1-Dichloropropene	<0.70	ug/L	0.70	2.2	1			10/06/2018 12:41	AGK	EPA 8260C
1,2,3-Trichlorobenzene	<0.80	ug/L	0.80	2.6	1			10/06/2018 12:41	AGK	EPA 8260C
1,2,3-Trichloropropane	<0.60	ug/L	0.60	1.9	1			10/06/2018 12:41	AGK	EPA 8260C
1,2,4-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1			10/06/2018 12:41	AGK	EPA 8260C
1,2,4-Trimethylbenzene	<0.40	ug/L	0.40	1.2	1			10/06/2018 12:41	AGK	EPA 8260C
1,2-Dibromo-3-chloropropane	<0.70	ug/L	0.70	2.4	1			10/06/2018 12:41	AGK	EPA 8260C
1,2-Dibromoethane	<0.60	ug/L	0.60	1.8	1			10/06/2018 12:41	AGK	EPA 8260C
1,2-Dichlorobenzene	<0.60	ug/L	0.60	1.9	1			10/06/2018 12:41	AGK	EPA 8260C
1,2-Dichloroethane	<0.26	ug/L	0.26	0.87	1			10/06/2018 12:41	AGK	EPA 8260C
1,2-Dichloropropane	<0.40	ug/L	0.40	1.4	1			10/06/2018 12:41	AGK	EPA 8260C
1,3,5-Trimethylbenzene	<0.40	ug/L	0.40	1.3	1			10/06/2018 12:41	AGK	EPA 8260C

CT LAB Sample#: 185434 Sample Description: TB-01

Sampled: 09/25/2018 1730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3-Dichlorobenzene	<0.50	ug/L	0.50	1.8	1			10/06/2018 12:41	AGK	EPA 8260C
1,3-Dichloropropane	<0.50	ug/L	0.50	1.6	1			10/06/2018 12:41	AGK	EPA 8260C
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1			10/06/2018 12:41	AGK	EPA 8260C
2,2-Dichloropropane	<0.50	ug/L	0.50	1.6	1			10/06/2018 12:41	AGK	EPA 8260C
2-Butanone	<4.0	ug/L	4.0	14	1			10/06/2018 12:41	AGK	EPA 8260C
2-Chlorotoluene	<0.40	ug/L	0.40	1.4	1			10/06/2018 12:41	AGK	EPA 8260C
2-Hexanone	<7.0	ug/L	7.0	24	1			10/06/2018 12:41	AGK	EPA 8260C
4-Chlorotoluene	<0.40	ug/L	0.40	1.5	1			10/06/2018 12:41	AGK	EPA 8260C
4-Methyl-2-pentanone	<6.0	ug/L	6.0	19	1			10/06/2018 12:41	AGK	EPA 8260C
Acetone	<9.0	ug/L	9.0	30	1			10/06/2018 12:41	AGK	EPA 8260C
Benzene	<0.24	ug/L	0.24	0.81	1			10/06/2018 12:41	AGK	EPA 8260C
Bromobenzene	<0.60	ug/L	0.60	1.9	1			10/06/2018 12:41	AGK	EPA 8260C
Bromochloromethane	<0.80	ug/L	0.80	2.5	1			10/06/2018 12:41	AGK	EPA 8260C
Bromodichloromethane	<0.40	ug/L	0.40	1.4	1			10/06/2018 12:41	AGK	EPA 8260C
Bromoform	<0.70	ug/L	0.70	2.3	1			10/06/2018 12:41	AGK	EPA 8260C
Bromomethane	<0.70	ug/L	0.70	2.4	1			10/06/2018 12:41	AGK	EPA 8260C
Carbon disulfide	<0.50	ug/L	0.50	1.6	1			10/06/2018 12:41	AGK	EPA 8260C
Carbon tetrachloride	<0.50	ug/L	0.50	1.6	1			10/06/2018 12:41	AGK	EPA 8260C
Chlorobenzene	<0.50	ug/L	0.50	1.5	1			10/06/2018 12:41	AGK	EPA 8260C
Chloroethane	<0.50	ug/L	0.50	1.6	1			10/06/2018 12:41	AGK	EPA 8260C
Chloroform	<0.30	ug/L	0.30	0.90	1			10/06/2018 12:41	AGK	EPA 8260C
Chloromethane	<0.70	ug/L	0.70	2.5	1			10/06/2018 12:41	AGK	EPA 8260C
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			10/06/2018 12:41	AGK	EPA 8260C
cis-1,3-Dichloropropene	<0.40	ug/L	0.40	1.2	1			10/06/2018 12:41	AGK	EPA 8260C
Dibromochloromethane	<0.40	ug/L	0.40	1.4	1			10/06/2018 12:41	AGK	EPA 8260C

CT LAB Sample#: 185434 Sample Description: TB-01

Sampled: 09/25/2018 1730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.80	ug/L	0.80	2.5	1		10/06/2018	12:41	AGK	EPA 8260C
Dichlorodifluoromethane	<0.40	ug/L	0.40	1.5	1		10/06/2018	12:41	AGK	EPA 8260C
Diisopropyl ether	<0.29	ug/L	0.29	0.97	1		10/06/2018	12:41	AGK	EPA 8260C
Ethylbenzene	<0.30	ug/L	0.30	1.1	1		10/06/2018	12:41	AGK	EPA 8260C
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1		10/06/2018	12:41	AGK	EPA 8260C
Isopropylbenzene	<0.40	ug/L	0.40	1.4	1		10/06/2018	12:41	AGK	EPA 8260C
m & p-Xylene	<0.50	ug/L	0.50	1.8	1		10/06/2018	12:41	AGK	EPA 8260C
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.1	1		10/06/2018	12:41	AGK	EPA 8260C
Methylene chloride	<0.50	ug/L	0.50	1.7	1		10/06/2018	12:41	AGK	EPA 8260C
n-Butylbenzene	<0.40	ug/L	0.40	1.2	1		10/06/2018	12:41	AGK	EPA 8260C
n-Propylbenzene	<0.50	ug/L	0.50	1.8	1		10/06/2018	12:41	AGK	EPA 8260C
Naphthalene	<0.70	ug/L	0.70	2.2	1		10/06/2018	12:41	AGK	EPA 8260C
o-Xylene	<0.40	ug/L	0.40	1.4	1		10/06/2018	12:41	AGK	EPA 8260C
p-Isopropyltoluene	<0.50	ug/L	0.50	1.5	1		10/06/2018	12:41	AGK	EPA 8260C
sec-Butylbenzene	<0.40	ug/L	0.40	1.3	1		10/06/2018	12:41	AGK	EPA 8260C
Styrene	<0.50	ug/L	0.50	1.7	1		10/06/2018	12:41	AGK	EPA 8260C
tert-Butylbenzene	<0.40	ug/L	0.40	1.4	1		10/06/2018	12:41	AGK	EPA 8260C
Tetrachloroethene	<0.50	ug/L	0.50	1.8	1		10/06/2018	12:41	AGK	EPA 8260C
Tetrahydrofuran	<3.0	ug/L	3.0	10	1		10/06/2018	12:41	AGK	EPA 8260C
Toluene	<0.30	ug/L	0.30	1.1	1		10/06/2018	12:41	AGK	EPA 8260C
trans-1,2-Dichloroethene	<0.60	ug/L	0.60	1.9	1		10/06/2018	12:41	AGK	EPA 8260C
trans-1,3-Dichloropropene	<0.40	ug/L	0.40	1.4	1		10/06/2018	12:41	AGK	EPA 8260C
Trichloroethene	<0.30	ug/L	0.30	1.0	1		10/06/2018	12:41	AGK	EPA 8260C
Trichlorofluoromethane	<0.30	ug/L	0.30	1.1	1		10/06/2018	12:41	AGK	EPA 8260C
Vinyl acetate	<3.0	ug/L	3.0	11	1		10/06/2018	12:41	AGK	EPA 8260C

CT LAB Sample#: 185434 Sample Description: TB-01 Sampled: 09/25/2018 1730

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Vinyl chloride	<0.19	ug/L	0.19	0.64	1			10/06/2018 12:41	AGK	EPA 8260C

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
Louisiana NELAP (primary) ID# ACC20160002
Illinois NELAP Lab ID# 200073
Kansas NELAP Lab ID# E-10368
Virginia NELAP Lab ID# 460203
Maryland Lab ID# WI00061
ISO/IEC 17025-2005 A2LA Cert # 3806.01
DoD-ELAP A2LA 3806.01
GA EPD Stipulation ID ACC20160002

Company: The Reese Group

Project Contact: Lee Kimbell

Telephone: 270 210 8583

Project Name: Allis Chalmers LF

Project #:

Location: West Allis, WI

Sampled By: LKK

CT LABORATORIES

Folder #: 139801

Company: THE REESE GROUP

Project: ALLIS-CHALMERS LF

Logged By: JLS PM ET

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Program:
SM RCRA SDWA NPDES
Solid Waste Other

Report To:
EMAIL: kimbelle@the-reese-group.com
Company: TRG
Address:

Invoice To:*
EMAIL: SAME
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

ANALYSES REQUESTED

Matrix:
GW - groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Filtered? Y/N

VOCs

Alkalinity/Fluoride

COD

Hardness/Na

Total # Containers

Designated MS/MSD

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior
CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Collection		Matrix	Grab/Comp	Sample #	Sample ID Description	Filtered? Y/N	Fill in Spaces with Bottles per Test										Total # Containers	Designated MS/MSD	CT Lab ID # Lab use only
Date	Time																		
9/25/18	13:15	GW	Grab		MW-G	N	3	1	1	1						6	195430		
	14:30	GW			MW-H	N	3	1	1	1						6	" 431		
	15:25	GW			MW-I	N	3	1	1	1						6	432		
	17:00	GW			MW-J	N	3	1	1	1						6	433		
	17:30				TB-01	N	1									1	434		

Relinquished By: [Signature]
Received by: [Signature]

Date/Time: 9/26/18 11:00 AM

Received By: [Signature]
Received for Laboratory by: [Signature]

Date/Time: 9/27/18 12:10
Date/Time: 9/27/18 12:38

Lab Use Only
Ice Present Yes No
Temp 1.6 IR Gun 24
Cooler # 6110

Photographic Documentation

Prepared by: The Reese Group

Client: Milwaukee County Department of
Administrative Services, Milwaukee, WI
Location: Former Allis Chalmers Landfill, 11815 W
Morgan Ave, Greenfield, WI

Photograph No. 1

Photographer: Lee Kimbell

Photograph Date: 07/03/2018

Description:

Northwestern facing view of
MW-A with orange marking tape
tied to adjacent tree.



Photograph No. 2

Photographer: Lee Kimbell

Photograph Date: 07/03/2018

Description:

Southeastern facing view of MW-
B (back left) and MW-D (front
right) located near western
property boundary of the Former
Allis Chalmers Landfill property.



Photographic Documentation

Prepared by: The Reese Group

Client: Milwaukee County Department of Administrative Services, Milwaukee, WI
Location: Former Allis Chalmers Landfill, 11815 W Morgan Ave, Greenfield, WI

Photograph No. 3

Photographer: Lee Kimbell

Photograph Date: 07/03/2018

Description:

Northern facing view of MW-C with heaved riser pipe (approx. 6" above metal protective pipe).



Photograph No. 4

Photographer: Lee Kimbell

Photograph Date: 07/09/2018

Description:

Aerial view of MW-E with label on slip cap shown.



Photographic Documentation

Prepared by: The Reese Group

Client: Milwaukee County Department of
Administrative Services, Milwaukee, WI
Location: Former Allis Chalmers Landfill, 11815 W
Morgan Ave, Greenfield, WI

Photograph No. 5

Photographer: Lee Kimbell

Photograph Date: 07/09/2018

Description:

Northeastern facing view of MW-
F.



Photograph No. 6

Photographer: Lee Kimbell

Photograph Date: 07/09/2018

Description:

Downward facing view of MW-
K.



Photographic Documentation

Prepared by: The Reese Group

Client: Milwaukee County Department of
Administrative Services, Milwaukee, WI
Location: Former Allis Chalmers Landfill, 11815 W
Morgan Ave, Greenfield, WI

Photograph No. 7

Photographer: Lee Kimbell

Photograph Date: 07/09/2018

Description:

Groundwater sampling with
peristaltic pump and dedicated
tubing at MW-C.



Photograph No. 8

Photographer: Lee Kimbell

Photograph Date: 07/09/2018

Description:

Temporary PVC gas probe (VP-
10) located in west-central portion
of Site, prior to being abandoned
by TRG personnel.



Photographic Documentation

Prepared by: The Reese Group

Client: Milwaukee County Department of
Administrative Services, Milwaukee, WI
Location: Former Allis Chalmers Landfill, 11815 W
Morgan Ave, Greenfield, WI

Photograph No. 9

Photographer: Lee Kimbell

Photograph Date: 07/09/2018

Description:

Former location of temporary gas
probe VP-10. Filled with
approximately 1/3 bag of
bentonite chips.



Photograph No. 10

Photographer: Lee Kimbell

Photograph Date: 09/25/2018

Description:

Groundwater sampling at
monitoring well location G
(facing SE).



Photographic Documentation

Prepared by: The Reese Group

Client: Milwaukee County Department of Administrative Services, Milwaukee, WI
Location: Former Allis Chalmers Landfill, 11815 W Morgan Ave, Greenfield, WI

Photograph No. 11

Photographer: Lee Kimbell

Photograph Date: 07/09/2018

Description:

Northern facing view of monitoring wells H (front) and I (back) located approximately 10' east of the S 116th St.



Photograph No. 12

Photographer: Lee Kimbell

Photograph Date: 09/25/2018

Description:

Northwest facing view of monitoring well J located approximately 30' south of W Morgan Ave.



Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

[X] Verification Only of Fill and Seal

Route to:

Drinking Water

Watershed/Wastewater

Remediation/Redevelopment

Waste Management

Other: _____

1. Well Location Information				2. Facility / Owner Information			
County MILWAUKEE		WI Unique Well # of Removed Well _____		Hicap # _____		Facility Name Former Allis Chalmers Landfill	
Latitude / Longitude (Degrees and Minutes) ____ ° ____ ' ____ " N ____ ° ____ ' ____ " W		Method Code (see instructions) _____		Facility ID (FID or PWS) 241182480		License/Permit/Monitoring # 293	
¼ / ¼ NE ¼ SW or Gov't Lot #		Section 18		Township 6 N 21		Original Well Owner Cuywreco, Inc.	
Well Street Address 11815 W Morgan Ave		Well City, Village or Town Greenfield		Well ZIP Code 53203-		Present Well Owner Milwaukee County	
Subdivision Name		Lot #		City of Present Owner Milwaukee		State WI	
Reason For Removal From Service No longer in use		WI Unique Well # of Replacement Well _____		ZIP Code 53203-		4. Pump, Liner, Screen, Casing & Sealing Material	
3. Well / Drillhole / Borehole Information				Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) 8/3/2007		Required Method of Placing Sealing Material			
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
<input checked="" type="checkbox"/> Borehole / Drillhole				<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Construction Type:				Sealing Materials			
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Dug		<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
Formation Type:				<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		For Monitoring Wells and Monitoring Well Boreholes Only:			
Total Well Depth From Ground Surface (ft.) 10		Casing Diameter (in.) 0.75		<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) 10		<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown				From (ft.)			
If yes, to what depth (feet)?				Depth to Water (feet)		To (ft.)	
5. Material Used To Fill Well / Drillhole				Sacks Sealant		Mix Ratio	
3/8" Bentonite chips				Surface		10	
						0.3	
6. Comments							
Abandoned 3/4" PVC vapor probe, VP-10							
7. Supervision of Work						DNR Use Only	
Name of Person or Firm Doing Filling & Sealing The Reese Group, LLC			License #		Date of Filling & Sealing (mm/dd/yyyy) 7/9/2018		Date Received
Street or Route 310 E Buffalo St, Suite 106			Telephone Number (414) 326-9800		Comments		Noted By
City Milwaukee		State WI		ZIP Code 53202-		Signature of Person Doing Work	
						Date Signed 8/7/2018	