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April 6, 2021

Mr. Thomas Speight
Massachusetts Department of
Environmental Protection
Division of Solid Waste
436 Dwight Street
Springfield, MA 01103

RE: Environmental Monitoring Report
Annual Groundwater, Residential Drinking Water, and
Landfill Gas Migration Monitoring Event
Old Orebed Road Landfill
Lanesborough, Massachusetts
ATC Group Services Project No.: 183TD20066

Dear Mr. Hanson:

On behalf of the Town of Lanesborough, ATC Group Services, LLC. (ATC) has prepared this environmental monitoring report describing the annual groundwater, residential drinking water, and landfill gas migration monitoring event(s) that occurred on March 16, 2021 with corresponding field screening and laboratory results. Samples were collected at select monitoring points at and/or in the vicinity of the Old Orebed Road Landfill located in Lanesborough, Massachusetts.

1.0 WATER SAMPLING AND ANALYSIS

On March 16, 2021, ATC field personnel collected samples at groundwater monitoring locations MW-7, MW-8, MW-16, MW-17, MW-18, MW-103D, MW-104D, surface water monitoring location S-2, and residential drinking water well monitoring locations 55 Old Orebed Road, 87 Old Orebed Road, 95 Old Orebed Road, and 99 Old Orebed Road. ATC gauged groundwater monitoring wells MW-7 and MW-17 as dry and consequently, a sample set was not collected at these locations. Note that ATC attempt to gauge and sample these locations during the Landfill Third Party Inspection to be completed during the Fall 2021.

Samples were transferred into laboratory provided glassware and submitted in ice to a Massachusetts State Certified Laboratory under standard Chain of Custody (COC) procedures and subsequently, analyzed for parameters promulgated by MassDEP Solid Waste Regulation 310 CMR 19.132(1)(h)(1 through 3) consisting of: Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260 or 524.2 (including the compounds 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), acetone, and unknown peaks having intensities greater than 5x the background (tentatively identified compounds-TICs)); 1,4-dioxane by USEPA Method 8270 via Selected Ion Monitoring (SIM); Polychlorinated Biphenyls (PCBs) by USEPA Method 8080; Total Dissolved Solids (TDS); alkalinity; chloride; sulfate; nitrate nitrogen; Chemical Oxygen Demand (COD); total cyanide (CN^-); dissolved or total metals

(silver (Ag), arsenic (As), barium (Ba), calcium (Ca), cadmium (Cd), chromium (Cr), copper (Cu), iron (Fe), mercury (Hg), manganese (Mn), sodium (Na), lead (Pb), selenium (Se), and zinc (Zn)); and field parameters (dissolved oxygen (D.O.), pH, specific conductance, and temperature). All sample procedures were conducted in accordance with MassDEP and ATC Standard Operating Procedures (SOPs). Laboratory reports documenting the results of samples collected and associated COCs are provided as Appendix D. A well gauging and field parameter sample log summarizing the field results documented is provided as Appendix E.

Laboratory results concerning the sample parameters described above were tabularized and compared to the Winter 2020 Standards and Guidelines for Contaminants in Massachusetts Drinking Waters, which presents the Massachusetts Maximum Contaminant Level (MMCL) standards, Secondary Maximum Contaminant Level (SMCL) standards, and the MassDEP Office of Research & Standard Guidelines (ORSG) standards. The MMCL standards are the Primary Massachusetts Drinking Water Standards which are used to evaluate groundwater quality. The SMCL standards are secondary standards related to aesthetic water quality properties and are equivalent to the USEPA secondary drinking water guidelines. The MassDEP ORSG issues standards for chemical compounds other than those designated an MMCL or SMCL standard. Massachusetts Surface Water Quality Standards (MA SWQ), 314 CMR 4.05(5)(3) Freshwater Acute Criteria (NRWQA), 314 CMR 4.05(5)(3) Freshwater Chronic Criteria (NRWQC), and along with the aforementioned standards are used to evaluate the surface water quality in Massachusetts. Note that on April 5, 2021, ATC notified MassDEP via e-mail upon receiving/reviewing the laboratory report associated with the March 16, 2021 sampling event. The laboratory report indicated that several applicable standards were exceeded. See the following description for said results.

Spreadsheets summarizing the results of analyses performed and comparing said results to the applicable MMCL, SMCL, ORSG, and/or MA SWQ standards are provided as: Table – 1 (final field screening results and laboratory indicator parameter analyses); Table – 2 (total or dissolved metals analyses); and Table – 3 (VOCs and PCB analysis).

2.0 GROUNDWATER RESULTS

The laboratory indicator parameter analyses indicated that no applicable MMCL and/or SMCL standards were exceeded relative to the groundwater samples collected during this event. Final field screening results indicated that the applicable SMCL standard for pH was not exceeded relative to the groundwater samples collected during this event. See Table – 1 for individual sample results. No applicable ORSG standards apply.

The dissolved metals analysis indicated that no applicable MMCL and/or ORSG standards were exceeded relative to the groundwater samples collected during this event. The applicable SMCL standard for manganese was exceeded in the samples collected at groundwater monitoring well locations MW-16, MW-18, and MW-103D. See Table – 2 for individual sample results. Samples for dissolved metals analysis were filtered in the field at the time of collection.

The VOCs analysis indicated that no applicable ORSG standards were exceeded relative to the groundwater samples collected during this event. The applicable MMCL standard for trichloroethene was exceeded in the sample collected at groundwater monitoring well locations MW-16 and MW-104D. No TICs were documented during this monitoring period. See Table – 3 for individual sample results. No applicable SMCL standards apply.

The PCBs analysis indicated that the ORSG standard was exceeded in the sample collected at groundwater monitoring well location MW-16. See Table – 3 for individual sample results.

3.0 SURFACE WATER RESULTS

Field screening results and the laboratory indicator parameter analyses indicated that no applicable MMCL, SMCL, and/or FWCC standards were exceeded relative to the groundwater samples collected during this event. See Table – 1 for individual sample results. No applicable ORSG standards apply.

The dissolved metals analysis indicated that no applicable MMCL, SMCL, and ORSG standards were exceeded relative to the groundwater samples collected during this event. The applicable FWCC standard for alkalinity was exceeded in the samples collected at surface water monitoring locations S-1 and S-2. See Table – 2 for individual sample results.

The VOCs analysis indicated that no applicable MMCL and/or ORSG standards were exceeded relative to the groundwater samples collected during this event. No TICs were documented during this monitoring period. See Table – 3 for individual sample results. No applicable SMCL standards apply.

4.0 RESIDENTIAL DRINKING WATER RESULTS

Final field screening results and the laboratory indicator parameter analyses indicated that no applicable MMCL and/or SMCL standards were exceeded relative to the residential drinking water samples collected during this event. See Table – 1 for individual sample results. No applicable ORSG standards apply.

The total metals analysis indicated that no applicable MMCL and/or SMCL standards were exceeded relative to the residential drinking water samples collected during this event. The applicable ORSG standard for sodium was exceeded in the sample collected at 95 Old Orebed Road. See Table – 2 for individual sample results.

The VOCs analysis indicated that no applicable MMCL and/or ORSG standards were exceeded relative to the residential drinking water samples collected during this event. It should be noted that all concentrations reported were documented below the laboratory reportable detection limit(s) (RDLs). No TICs were documented during this monitoring period. See Table – 3 for individual sample results. No applicable SMCL standards apply.

5.0 HISTORICAL DATA TREND SUMMARY

The following description provides a summary of laboratory result trends documented during the period of September 2018 through March 2021. A spreadsheet summarizing focal historical data documented during the referenced period is provided as Table – 4. Laboratory reports documenting the results of samples collected during the referenced period were provided as attachments with previously submitted annual environmental monitoring reports.

5.1 pH

Field screening results documented during the period of September 2018 through March 2021 indicated the following exceedances of the applicable SMCL standard for pH: MW-8 (2018) and 87 Old Orebed Road (2018 - 2019). Concentrations of pH recorded at and/or in the vicinity of the landfill ranged from 5.78 s.u. at MW-8 (2018) to 8.53 s.u. at 87 Old Orebed Road (2018 - 2019).

5.2 Chloride

No exceedances of the applicable SMCL standard for chloride have been documented concerning samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021. Concentrations of chloride ranged from below laboratory RDLs to 102 mg/l at 95 Old Orebed Road (2021).

5.3 Cyanide

No exceedances of the applicable MMCL standard for cyanide have been documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021. Concentrations of cyanide ranged from below laboratory RDLs to 0.11 mg/l at S-1 (2019).

5.4 Sulfate

No exceedances of the applicable SMCL standard for sulfate have been documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021. Concentrations of sulfate ranged from below laboratory RDLs to 126 mg/l at MW-8 (2018).

5.5 TDS

The following exceedances of the applicable SMCL standard for TDS were documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021: MW-8 (2020); MW-16 (2020), MW-18 (2020); MW-101D (2020); MW-103D (2020); andMW-104D (2020). Concentrations of TDS ranged from below laboratory RDLs to 1,410 mg/l at MW-103D (2020).

5.6 Nitrate

No exceedances of the applicable MMCL standard for nitrate have been documented concerning samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021. Concentrations of nitrate ranged from below laboratory RDLs to 2.2 mg/l at MW-8 (2019).

5.7 Arsenic

No exceedances of the applicable MMCL standard for arsenic have been documented concerning the samples collected at and/or in the vicinity of the landfill during the period

of September 2018 through March 2021. All concentrations of arsenic documented have been reported below laboratory RDLs.

5.8 Barium

No exceedances of the applicable SMCL standard for barium have been documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021. Concentrations of barium ranged from below laboratory RDLs to 0.452 mg/l at MW-104D (2020).

5.9 Chromium

No exceedances of the applicable MMCL standard for chromium have been documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021. All concentrations of chromium have been reported below laboratory RDLs.

5.10 Copper

No exceedances of the applicable MMCL standard for copper have been documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021. Concentrations of copper ranged from below laboratory RDLs to 0.18 mg/l at 95 Old Orebed Road (2019).

5.11 Iron

The following exceedances of the applicable SMCL standard for iron were documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021: MW-8 (2020); MW-101D (2020); MW-104D (2020); and S-1 (2020). Concentrations of iron ranged from below laboratory RDLs to 1.54 mg/l at MW-101D (2020).

5.12 Manganese

The following exceedances of the applicable SMCL and/or ORSG standard for manganese were documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021: MW-16 (2021), MW-18 (2020 – 2021); MW-101D (2019 – 2020); MW-103D (2021), MW-104D (2020); S-1 (2019 – 2020) and S-2 (2019). Concentrations of manganese ranged from below laboratory RDLs to 1.18 mg/l at MW-104D (2020).

5.13 Lead

The following exceedances of the applicable MMCL standard for lead were documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021: MW-104D (2020). Concentrations of lead ranged from below laboratory RDLs to 0.0178 mg/l at MW-104D (2020).

5.14 Mercury

No exceedances of the applicable MMCL standard for mercury have been documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021. All concentrations of mercury documented have been reported below laboratory RDLs.

5.15 Sodium

The following exceedances of the applicable ORSG standard for sodium has been documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021: 95 Old Orebed Road (2018 – 2021). Concentrations of sodium ranged from below laboratory RDLs to 52.3 mg/l at 95 Old Orebed Road (2018).

5.16 Selenium

No exceedances of the applicable MMCL standard for selenium have been documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021. All concentrations of selenium were reported below laboratory RDLs.

5.17 Zinc

No exceedances of the applicable SMCL standard for zinc have been documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021. Concentrations of zinc ranged from below laboratory RDLs to 0.063 mg/l at 87 Old Orebed Road (2018).

5.18 VOCs

The following exceedances of the applicable MMCL standards have been documented concerning the sample collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021: MW-16 (trichloroethene 2019 – 2021) and MW-104D (trichloroethene 2018 – 2021). Concentrations of VOCs ranged from below the laboratory RDL to 0.26 mg/l at MW-104D (trichloroethene 2018).

5.19 1,4-Dioxane

The following exceedances of the applicable ORSG standard for 1,4-dioxane has been documented concerning the sample collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021: MW-7 (2019) and MW-16 (2018). Concentrations of 1,4-dioxane ranged from below the laboratory RDL to 0.00052 mg/l at MW-16 (2018).

5.20 PCBs

The following exceedances of the applicable MMCL standard for PCBs have been documented concerning the sample collected at and/or in the vicinity of the landfill

during the period of September 2018 through March 2021: MW-16 (2018 – 2021). Concentrations of PCBs ranged from below the laboratory RDL to 0.00865 mg/l at MW-16 (2021).

6.0 LANDFILL GAS MONITORING

ATC conducted the annual landfill gas migration monitoring survey on March 16, 2021. A total of twenty-six (26) monitoring points (GW-1, GW-2, and V-1 through V-24) were located and field screened via a Landtec GEM™ 5000 Plus for % methane (% CH_4), % Lower Explosive Limit (% LEL), % oxygen (% O_2), % carbon dioxide (% CO_2), and hydrogen sulfide (H_2S parts per million (ppm)) and a PhoCheck Tiger – handheld volatile organic compound gas detector for VOCs (ppm). A concentration of methane was detected above the 25% LEL threshold at landfill gas migration monitoring points V-2, V-9, V-11, V-19, V-21, V-22, and V-23. Note that these locations are passive landfill gas vents and are designed to allow gas to escape the former landfill unit and consequently, a notification to MassDEP is not required. See Table – 5 for individual gas monitoring location results.

7.0 LANDFILL CAP/PROPERTY INSPECTION

On March 16, 2021, ATC conducted a visual inspection of the landfill cap and immediate vicinity. The inspection was performed via walking the outer perimeter of the landfill footprint and traversing the landfill crown and side slopes. At the time of the visual inspection, ATC field personnel did not observe any evidence of the following: unexplained volumetric changes in surface impoundments; ponding; visible signs of stress in plant and animal life; thinning vegetation; unexplained changes in soil characteristics; visible signs of leaching, seeping, and/or erosion; breakdown and/or damage to the landfill cover system as a result of storm water runoff, burrowing animals, trespassing, and/or recreational use; visual or olfactory evidence of landfill gas emissions which may cause an odor nuisance; indications of trespassing and/or recreational use; damage to landfill gas venting structures; damage to and/or insufficient operation of storm water drainage systems; unapproved post-closure use activities; and/or any other change to the environment that could reasonably be expected to be the result of a release from the landfill unit.

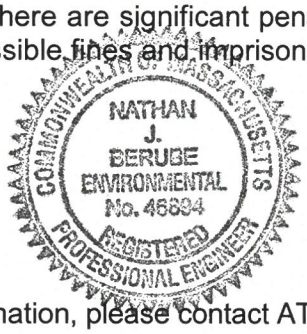
Additional Observations:

- ATC also observed the condition(s) of the gas monitoring wells, passive landfill gas vents, and groundwater monitoring wells. The referenced monitoring locations were found to be in sound condition; locked (if applicable), with no signs of vandalism, and/or other required maintenance issues. Note that ATC observed V-18 to be damaged at the base. On March 16, 2021, ATC has notified the Town of deficiency. The Town informed ATC that they will repair V-18 as soon as possible.
- The former landfill unit does not have any rip-rap lined channels and/or detention basins. Storm water tends to be surface runoff which is directed into the abutting woodland.

ENGINEER'S CERTIFICATION STATEMENT

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties both civil and criminal for submitting false information including possible fines and imprisonment."

NATHAN BERUBE, P.E.



If you have any questions and/or concerns regarding this information, please contact ATC at (413) 781-0070.

Sincerely,
ATC GROUP SERVICES, LLC.

Todd Donze
Project Manager
Phone: (413) 544-2700
Email: todd.donze@atcgs.com

John Niedzielski
Environmental Services Manager
Phone: (413) 504-1903
Email: john.niedzielski@atcgs.com

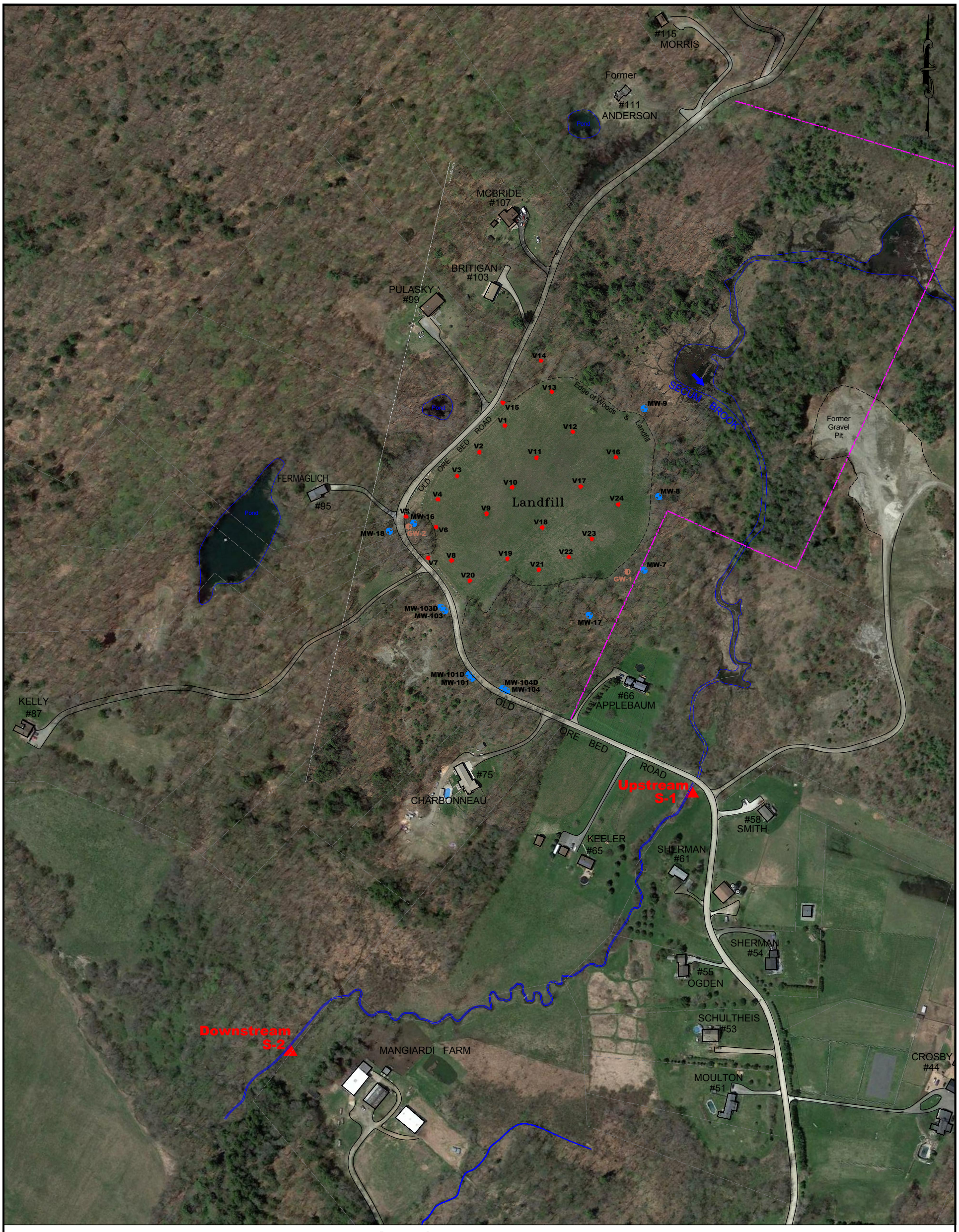
Attachments:

Appendix A	Figures
Appendix B	Tables
Appendix C	Laboratory Analytical Reports
Appendix D	Well Gauging and Field Parameter Log

cc: Mrs. Kelli Robbins, Esq.
Town of Lanesborough
Newton Memorial Town Hall
83 North Main Street, P.O. Box 1492
Lanesborough, MA 01237

APPENDIX A

FIGURES



General Notes:

Site plan based on a plans provided to ATC by Town of Lanesboro, Berkshire County Middle District Redgistry of Deeds plans ODR–8291, ODR–8356, ODR–8751, ODR–8870, OPL–A83, ORD–8460, Town of Lanesboro Assessors maps airphotos by Google Earth circa 9/18/11, 5/10/14, 10/14/18 and observations made by representatives of ATC.

All locations on this plan are approximate only. This plan should not be used for construction or land conveyance purposes.

Legend

- Approximate Property Line
- Property Line (Other)
- MW-1 — Well I.D.
- Monitoring Well
- V1 — Landfill Vent Well
- GW-2 — Landfill Gas Well
- S-2 Downstream — Surface Water/Stream Sample

ATLAS ATC
AN ATLAS COMPANY
73 William Franks Drive * West Springfield, MA 01089
Phone: 413-781-0070 Fax: 413-781-3734

0 150 300
GRAPHIC SCALE:

PROJECT:
Ore Bed Road Landfill
Old Ore Bed Road
Lanesboro, Massachusetts

TITLE:
Site Plan with Well & Surface Water Samples Locations

CADFILE: 183TD20066–Landfill.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
RAS	TD	TD	TD
SCALE:	DATE:	JOB NO.:	FIGURE NO.:
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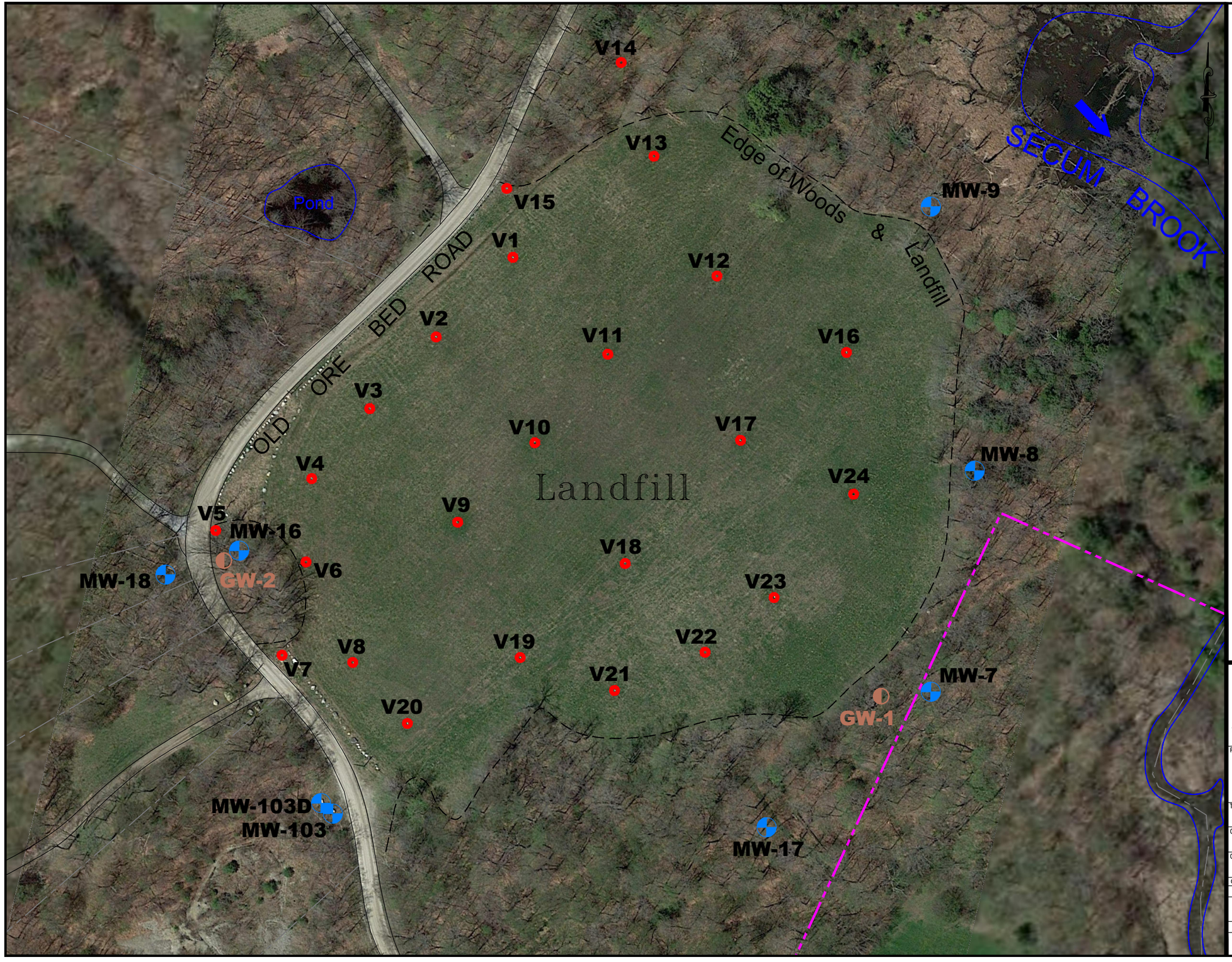

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73 William Franks Drive * West Springfield, MA 01089
Phone: 413-781-0070 Fax: 413-781-3734

PROJECT:
Old Ore Bed Road Landfill
Old Ore Bed Road
Lanesboro, Massachusetts

TITLE:
Site Plan with Gas Monitoring & Vent Well Locations

CLIENT:
Town of Lanesboro

GRAPHIC SCALE: 100 50 0 50 100

COMPUTER CADFILE : 183TD20066–Landfill.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
RAS	TD	TD	TD
SCALE:	DATE:	JOB NO.:	FIGURE NO.:
1"=100'	11/3/20	183TD20066	2

APPENDIX B

TABLES

TABLE - 1

Indicator Parameters Analyses of Samples Collected at and in the Vicinity of the Old Orebed Road Landfill March 2021

Sample Location	Date	Field pH	Field Temp.	Field Sp. Cond	Field D.O.	Indicator Parameters: Alkalinity	Chloride	Chemical Oxygen Demand (COD)	Total Cyanide (T CN⁻)	Nitrate-(N)	Sulfate	Total Dissolved Solids (TDS)
		(S.U.)	(°C)	(umhos)	(mg/L)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
MA Surface Water Stds.												
MA SWQS		*6.5-8.3*	*20*	*N/S*	*< 5.0*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*
MA Drinking Water Stds.												
MMCL or SMCL		*6.5-8.5*	*N/S*	*N/S*	*N/S*	*N/S*	*250*	*N/S*	*0.2*	*10*	*250*	*500*
314 CMR 4.05(5) e Fresh Water Acute Criteria		*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*860*	*N/S*	*0.022*	*N/S*	*N/S*	*N/S*
314 CMR 4.05(5) e Fresh Water Cronic Criteria		*6.5-9.0*	*N/S*	*N/S*	*N/S*	*20*	*230*	*N/S*	*0.0052*	*N/S*	*N/S*	*N/S*
MCP 40.0974(2) Std Table GW -1		*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*0.2*	*N/S*	*N/S*	*N/S*
MCP 40.0974(2) Std Table GW -3		*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*0.03*	*N/S*	*N/S*	*N/S*
Surface Water												
S-1	3/16/2021	7.23	2.08	220	5.82	**82**	8.5	< 75	< 0.010	0.25	6.7	107
S-2	3/16/2021	7.37	1.30	226	5.43	**81**	8.4	< 75	< 0.010	0.25	6.7	109
Groundwater												
MW-7	3/16/2021	Groundwater monitoring well location gauged as dry and consequently, a sample set was not collected during the monitoring period.										
MW-8	3/16/2021	7.66	5.50	502	4.18	170	4.9	< 75	< 0.010	0.42	100	438
MW-16	3/16/2021	8.00	1.71	462	1.55	190	4.6	< 190	< 0.010	0.51	36	368
MW-17	3/16/2021	Groundwater monitoring well location gauged as dry and consequently, a sample set was not collected during the monitoring period.										
MW-18	3/16/2021	7.43	1.44	278	1.28	63	< 2.0	< 380	< 0.010	0.10	< 5.0	79
MW-101D	3/16/2021	7.19	3.15	211	6.82	84	< 2.0	< 75	< 0.010	< 0.05	14	113
MW-103D	3/16/2021	7.82	1.16	258	1.18	85	3.0	< 190	< 0.010	0.14	7.5	251
MW-104D	3/16/2021	7.34	2.90	256	3.41	84	7.1	< 75	< 0.010	0.48	21	154
Drinking Water												
55 Old Orebed Rd	3/16/2021	7.48	1.64	252	4.76	96	< 1.0	< 10	< 0.0050	0.09	13	120
87 Old Orebed Rd	3/16/2021	7.35	1.92	249	6.90	69	< 1.0	< 10	< 0.0050	0.19	7.6	88
95 Old Orebed Rd	3/16/2021	7.12	1.99	243	5.24	84	12	< 10	< 0.0050	0.94	7.4	140
99 Old Orebed Rd	3/16/2021	7.93	5.14	182	8.68	71	< 1.0	< 10	< 0.0050	0.11	< 1.5	85

Notes:

1. N/A = Not Applicable.
2. N/S no standard promulated.
3. MMCL = Massachusetts Maximum Contaminant Level (Winter 2020) Primary Drinking Water Standards.
4. SMCL = Secondary Maximum Contaminant Level (Winter 2020) Secondary Drinking Water Standards.
5. **Bold Red** indicates an exceedance of the Primary Drinking Water Standards MMCLs.
6. **Bold Blue** indicates an exceedance of the Secondary Drinking Water Standards SMCLs.

TABLE - 2

Metals Analysis of Samples Collected at and in the Vicinity of the Old Orebed Road Landfill March 2021

Sample Location	*Date*	*Soluble/ Total Metals*	*Silver Ag (mg/l)*	*Arsenic As (mg/l)*	*Barium Ba (mg/l)*	*Calcium Ca (mg/l)*	*Cadmium Cd (mg/l)*	*Chromium Cr (mg/l)*	*Copper Cu (mg/l)*	*Iron Fe (mg/l)*	*Mercury Hg (mg/l)*	*Manganese Mn (mg/l)*	*Sodium Na (mg/l)*	*Lead Pb (mg/l)*	*Selenium Se (mg/l)*	*Zinc Zn (mg/l)*
MA Drinking Water Stds.																
ORSG, MMCL, or SMCL			*0.10*	*0.010*	*2*	*NA*	*0.005*	*0.1*	*1.3*	*0.3*	*0.002*	*0.05/0.30*	*20*	*0.015*	*0.05*	*5*
314 CMR 4.05(5) e Fresh Water Acute Criteria			*3.2*	*0.34*	*N/S*	*N/S*	*0.0018*	*N/S*	*N/S*	*N/S*	*0.0014*	*N/S*	*N/S*	*0.065*	*N/S*	*0.12*
314 CMR 4.05(5) e Fresh Water Cronic Criteria			*N/S*	*0.15*	*N/S*	*N/S*	*0.00072*	*N/S*	*N/S*	*1*	*0.00077*	*N/S*	*N/S*	*0.025*	*N/S*	*0.12*
MCP 40.0974(2) Std Table GW -1			*0.1*	*0.010*	*2.0*	*N/S*	*0.004*	*0.1*	*1.3*	*N/S*	*0.002*	*N/S*	*N/S*	*0.015*	*0.05*	*0.9*
MCP 40.0974(2) Std Table GW -3			*0.007*	*0.9*	*50*	*N/S*	*0.004*	*0.3*	*N/S*	*N/S*	*0.02*	*N/S*	*N/S*	*0.01*	*0.1*	*5*
Surface Water																
S-1	3/16/2021	Soluble	< 0.0100	< 0.0080	< 0.0100	30.0	< 0.0050	< 0.0100	< 0.0100	< 0.100	< 0.00030	0.0409	4.29	< 0.0150	< 0.0300	< 0.0200
S-2	3/16/2021	Soluble	< 0.0100	< 0.0080	< 0.0100	29.8	< 0.0050	< 0.0100	< 0.0100	< 0.100	< 0.00030	0.0318	4.34	< 0.0150	< 0.0300	< 0.0200
Groundwater																
MW-7	3/16/2021	Soluble	Groundwater monitoring well location gauged as dry and consequently, a sample set was not collected during the monitoring period.													
MW-8	3/16/2021	Soluble	< 0.0100	< 0.0080	< 0.0100	87.0	< 0.0050	< 0.0100	< 0.0100	< 0.100	< 0.00030	< 0.0100	4.88	< 0.0150	< 0.0300	< 0.0200
MW-16	3/16/2021	Soluble	< 0.0100	< 0.0080	0.0127	75.6	< 0.0050	< 0.0100	< 0.0100	< 0.100	< 0.00030	**0.0527**	5.87	< 0.0150	< 0.0300	< 0.0200
MW-17	3/16/2021	Soluble	Groundwater monitoring well location gauged as dry and consequently, a sample set was not collected during the monitoring period.													
MW-18	3/16/2021	Soluble	< 0.0100	< 0.0080	< 0.0100	18.8	< 0.0050	< 0.0100	< 0.0100	< 0.100	< 0.00030	**0.0113**	2.04	< 0.0150	< 0.0300	< 0.0200
MW-101D	3/16/2021	Soluble	< 0.0100	< 0.0080	< 0.0100	26.2	< 0.0050	< 0.0100	< 0.0100	< 0.100	< 0.00030	< 0.0100	3.24	< 0.0150	< 0.0300	< 0.0200
MW-103D	3/16/2021	Soluble	< 0.0100	< 0.0080	< 0.0100	26.9	< 0.0050	< 0.0100	< 0.0100	< 0.100	< 0.00030	**0.0445**	2.30	< 0.0150	< 0.0300	< 0.0200
MW-104D	3/16/2021	Soluble	< 0.0100	< 0.0080	< 0.0100	34.5	< 0.0050	< 0.0100	< 0.0100	0.139	< 0.00030	< 0.0100	2.51	< 0.0150	< 0.0300	< 0.0200
Drinking Water																
55 Old Orebed Rd	3/16/2021	Total	< 0.0100	< 0.00100	0.00230	24.5	< 0.00050	< 0.00200	< 0.00500	0.132	< 0.00030	0.0104	4.40	< 0.00100	< 0.00200	< 0.0200
87 Old Orebed Rd	3/16/2021	Total	< 0.0100	< 0.00100	0.00217	20.0	< 0.00050	< 0.00200	< 0.00500	< 0.100	< 0.00030	< 0.00500	< 2.00	< 0.00100	< 0.00200	< 0.0200
95 Old Orebed Rd	3/16/2021	Total	< 0.0100	< 0.00100	< 0.00100	< 0.500	< 0.00050	< 0.00200	0.00526	< 0.100	< 0.00030	< 0.00500	**52.3**	< 0.00100	< 0.00200	< 0.0200
99 Old Orebed Rd	3/16/2021	Total	< 0.0100	< 0.00100	0.00205	25.6	< 0.00050	< 0.00200	0.117	< 0.100	< 0.00030	< 0.00500	< 2.00	0.00191	< 0.00200	0.0460

Notes:

1. N/A = Not Applicable.
2. N/S no standard promulgated.
3. MMCL = Massachusetts Maximum Contaminant Level (Winter 2020) Primary Drinking Water Standards.
4. SMCL = Secondary Maximum Contaminant Level (Winter 2020) Secondary Drinking Water Standards.
5. ORSG = Office of Research and Standards Guidelines (Winter 2020).
6. **Bold Red** indicates an exceedance of the Primary Drinking Water Standards MMCLs.
7. **Bold Blue** indicates an exceedance of the Secondary Drinking Water Standards SMCLs.
8. **Bold Black** indicates an exceedance of the ORSGs.
9. ORSG = Office of Research and Standards Guidelines of 0.30 mg/L for manganese also provided in addition to the SMCL value of 0.05 mg/L

TABLE - 3

VOCs Analysis of Samples Collected at
and in the Vicinity of the Old Orebed Road Landfill
March 2021

Sample Location	*Date*	*TICs (ug/L)*	*1,4 Dioxane (mg/L)*	*Acetone (mg/L)*	*2-Butanone (MEK) (mg/L)*	*4-Methyl-2-pentanone (MIBK) (mg/L)*	*Methyl tert-butyl ether MtBE (mg/L)*	*Tetrachloroethene (mg/L)*	*Trichloroethene (mg/L)*	*Total PCBs (mg/l)*
MA Drinking Water Stds.										
MMCL or ORSG		*N/S*	*0.0003*	*6.3*	*4.0*	*0.35*	*0.07*	*0.005*	*0.005*	*0.0005*
314 CMR 4.05(5) e Fresh Water Acute Criteria		*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*
314 CMR 4.05(5) e Fresh Water Cronic Criteria		*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*	*N/S*
MCP 40.0974(2) Std Table GW -1		*N/S*	*0.0003*	*6.3*	*4.0*	*0.35*	*0.07*	*0.005*	*0.005*	*0.0005*
MCP 40.0974(2) Std Table GW -3		*N/S*	*50*	*50*	*50*	*50*	*50*	*30*	*5*	*0.01*
Surface Water										
S-1	3/16/2021	0	< 0.0002	< 0.01	< 0.002	< 0.002	< 0.001	< 0.001	< 0.001	N/A
S-2	3/16/2021	0	< 0.0002	< 0.01	< 0.002	< 0.002	< 0.001	< 0.001	< 0.001	N/A
Groundwater										
MW-7	3/16/2021	Groundwater monitoring well location gauged as dry and consequently, a sample set was not collected during the monitoring period.								
MW-8	3/16/2021	0	< 0.0002	< 0.01	< 0.002	< 0.002	< 0.001	< 0.001	< 0.001	N/A
MW-16	3/16/2021	0	< 0.0002	< 0.01	< 0.002	< 0.002	< 0.001	0.00144	**0.0104**	**0.00865**
MW-17	3/16/2021	Groundwater monitoring well location gauged as dry and consequently, a sample set was not collected during the monitoring period.								
MW-18	3/16/2021	0	< 0.0002	< 0.01	< 0.002	< 0.002	< 0.001	< 0.001	< 0.001	< 0.000263
MW-101D	3/16/2021	0	< 0.0002	< 0.01	< 0.002	< 0.002	< 0.001	< 0.001	< 0.001	N/A
MW-103D	3/16/2021	0	< 0.0002	< 0.01	< 0.002	< 0.002	< 0.001	< 0.001	< 0.001	N/A
MW-104D	3/16/2021	0	< 0.0002	< 0.01	< 0.002	< 0.002	< 0.001	< 0.001	**0.174**	< 0.000263
Drinking Water										
55 Old Orebed Rd	3/16/2021	0	< 0.0002	< 0.003	< 0.002	< 0.0006	< 0.0001	< 0.0001	< 0.0001	N/A
87 Old Orebed Rd	3/16/2021	0	< 0.0002	< 0.003	< 0.002	< 0.0006	< 0.0001	< 0.0001	< 0.0001	N/A
95 Old Orebed Rd	3/16/2021	0	< 0.0002	< 0.003	< 0.002	< 0.0006	< 0.0001	< 0.0001	< 0.0001	N/A
99 Old Orebed Rd	3/16/2021	0	< 0.0002	< 0.003	< 0.002	< 0.0006	< 0.0001	< 0.0001	< 0.0001	N/A

Notes:

1. N/A = Not Applicable.
2. N/S no standard promulated.
3. MMCL = Massachusetts Maximum Contaminant Level (Winter 2020) Primary Drinking Water Standards.
4. **Bold Red** indicates an exceedance of the Primary Drinking Water Standards MMCLs.
5. ORSG = Office of Research and Standards Guidelines (2020).
6. **Bold Black** indicates an exceedance of the ORSGs.
7. BRL = Below Reporting Limit

Table 4

Former Town of Lanesbrough Landfill - Old Orebed Road Landfill

Old Orebed Road, Ware, MA

Historical Groundwater Monitoring Trends

Note: Analyte Not Listed = No Standard , Not Required for Notification, and/or No Historical Detection or Exceedances

	1,4-Dioxane	Tetrachloroethene	Trichloroethene	Total PCBs	Arsenic	Barium	Cadmium	Copper	Iron	Manganese	Sodium	Lead	Zinc	pH	Alkalinity	Chloride	Cyanide	Nitrate	Sulfate	TDS
MMCL		0.005	0.005	0.0005	0.01	2	0.005	1.3				0.015					0.2	10		
SMCL									0.3	0.05			5	6.5-8.5		250			250	500
ORSG	0.0003									*0.30*	20									
MA SWQS														6.5-8.3						
NRWQC					*0.15*		*0.00072*		1			*0.025*	*0.12*	*6.5-9.0*	*20*	*230*	*0.0052*			
NRWQA					*0.34*		*0.0018*					*0.065*	*0.12*			*860*	*0.022*			
Date	***MW-7***																			
9/26/18	Groundwater monitoring well location observed as dry and consequently, a sample set was not collected during this monitoring event.																			
9/9/19	**0.00038**	< 0.001	< 0.001		< 0.0008	< 0.01	< 0.0002	< 0.001	< 0.050	0.0098	6.6	< 0.0005	< 0.010	7.78	180	12	< 0.010	0.79	15	230
9/16/20	Groundwater monitoring well location observed as dry and consequently, a sample set was not collected during this monitoring event.																			
3/16/21	Groundwater monitoring well location observed as dry and consequently, a sample set was not collected during this monitoring event.																			
Date	***MW-8***																			
9/26/18	< 0.0002	< 0.001	< 0.001		< 0.004	0.007	< 0.001	< 0.005	< 0.011	0.006	4.82	< 0.002	0.003	**5.78**	190	< 3.0	< 0.010	0.57	126	400
9/9/19	< 0.00022	< 0.001	< 0.001		< 0.0008	< 0.0002	< 0.0002	< 0.001	< 0.050	0.010	4.6	< 0.0005	< 0.010	7.35	170	3.9	< 0.010	2.2	100	210
9/16/20	< 0.00032	< 0.001	< 0.001		< 0.0080	< 0.0100	< 0.0050	< 0.0100	**0.314**	0.0480	4.46	< 0.0150	< 0.0200	7.31	200	5.5	< 0.010	0.52	110	**841**
3/16/21	< 0.0002	< 0.001	< 0.001		< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	< 0.0100	4.88	< 0.0150	< 0.0200	7.66	170	4.9	< 0.010	0.42	100	438
Date	***MW-16***																			
9/26/18	**0.00052**	0.0018	< 0.001	**0.005**	< 0.004	0.008	< 0.001	< 0.005	< 0.011	< 0.001	4.29	< 0.002	0.003	6.58	201	4.8	< 0.010	0.51	23.7	260
9/9/19	< 0.00022	0.0034	**0.024**	**0.0029**	< 0.0008	< 0.01	< 0.0002	< 0.001	0.080	< 0.001	4.2	< 0.0005	< 0.010	6.94	190	4.3	< 0.010	0.84	28	210
9/16/20	< 0.00030	0.00452	**0.0251**	**0.0072**	< 0.0080	0.0117	< 0.0050	< 0.0100	< 0.100	< 0.0100	4.71	< 0.0150	< 0.0200	7.03	240	7.8	< 0.010	0.46	49	**1,350**
3/16/21	< 0.0002	0.00144	**0.0104**	**0.00865**	< 0.0080	0.0127	< 0.0050	< 0.0100	< 0.100	**0.0527**	5.87	< 0.0150	< 0.0200	8.00	190	4.6	< 0.010	0.51	36	368
Date	***MW-17***																			
9/26/18	Groundwater monitoring well location observed as dry and consequently, a sample set was not collected during this monitoring event.																			
9/9/19	Groundwater monitoring well location observed as dry and consequently, a sample set was not collected during this monitoring event.																			
9/16/20	Groundwater monitoring well location observed as dry and consequently, a sample set was not collected during this monitoring event.																			
3/16/21	**Groundwater monitoring well location observed as dry and consequently, a sample set was not collected during this monitoring event.**																			
Date	***MW-18***																			
9/26/18	< 0.0002	< 0.001	< 0.001	< 0.0005	< 0.004	0.007	< 0.001	< 0.005	< 0.011	0.014	0.84	< 0.002	< 0.002	7.28	68	< 3.0	< 0.010	0.10	< 3.0	88
9/9/19	< 0.0002	< 0.001	< 0.001	< 0.0002	< 0.0008	< 0.01	< 0.0002	< 0.001	< 0.050	0.0056	< 2.0	< 0.0005	< 0.010	7.41	63	1.7	< 0.010	0.16	2.5	48
9/16/20	< 0.00030	< 0.001	< 0.001	< 0.000278	< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	**0.137**	< 2.00	< 0.0150	< 0.0200	7.44	68	1.8	< 0.010	0.08	< 5.0	**632**
3/16/21	< 0.0002	< 0.001	< 0.001	< 0.000263	< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	0.0113	2.04	< 0.0150	< 0.0200	7.43	63	< 2.0	< 0.010	0.10	< 5.0	79
Date	***MW-101D***																			
9/26/18	< 0.0002	< 0.001	< 0.001		< 0.004	0.011	< 0.001	< 0.005	< 0.011	0.023	3.37	< 0.002	< 0.002	7.40	87	< 3.0	< 0.010	< 0.05	11.2	120
9/9/19	< 0.0002	< 0.001	< 0.001		< 0.0008	0.011	< 0.0002	< 0.001	0.071	**0.16**	3.0	< 0.0005	< 0.010	8.28	80	1.00	< 0.010	< 0.0001	13	100
9/16/20	< 0.00030	< 0.001	< 0.001		< 0.0080	0.141	< 0.0050	0.0104	**1.54**	*0.665*	2.91	< 0.0150	0.0226	7.90	85	2.2	< 0.010	< 0.05	17	**703**
3/16/21	< 0.0002	< 0.001	< 0.001		< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	< 0.0100	3.24	< 0.0150	< 0.0200	7.19	84	< 2.0	< 0.010	< 0.05	14	113
Date	***MW-103D***																			
9/26/18	< 0.0002	< 0.001	< 0.001		< 0.004	0.009	< 0.001	< 0.005	< 0.011	0.017	1.88	< 0.002	< 0.002	7.52	91	< 3.0	< 0.010	0.13	4.6	88
9/9/19	< 0.0002	< 0.001	< 0.001		< 0.0008	< 0.01	< 0.0002	< 0.001	0.067	0.0081	< 2.0	< 0.0005	< 0.010	7.95	82	< 1.0	< 0.010	0.25	5.1	130
9/16/20	< 0.00028	< 0.001	< 0.001		< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	0.0198	< 2.00	< 0.0150	< 0.0200	7.77	92	< 1.0	< 0.010	0.16	< 5.0	**1,410**
3/16/21	< 0.0002	< 0.001	< 0.001		< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	0.0445	2.30	< 0.0150	< 0.0200	7.82	85	3.0	< 0.010	0.14	7.5	251
Date	***MW-104D***																			
9/26/18	< 0.0002	< 0.001	**0.21**	< 0.0005	< 0.004	0.007	< 0.001	< 0.005	< 0.011	0.008	2.14	< 0.002	< 0.002	7.47	89	8.4	< 0.010	0.45	18.8	160
9/9/19	< 0.0002	< 0.004	**0.26**	< 0.0002	< 0.0008	< 0.01	< 0.0002	< 0.001	< 0.050	0.0028	2.1	< 0.0005	< 0.010	8.03	93	7.2	< 0.010	0.89	20	78
9/16/20	< 0.00030	0.0015	**0.180**	< 0.000294	< 0.0080	0.452	< 0.0050	0.0195	**1.49**	*1.18*	2.03	**0.0178**	0.0378	7.72	91	10	< 0.010	0.51	28	**1,290**
3/16/21	< 0.0002	< 0.001	**0.174**	< 0.000263	< 0.0080	< 0.0100	< 0.0050	< 0.0100	0.139	< 0.0100	2.51	< 0.0150	< 0.0200	7.34	84	7.1	< 0.010	0.48	21	154

Date																			
										55 Old Orebed Road									
9/26/18	< 0.0002	< 0.0005	< 0.0005		< 0.0005	0.003	< 0.001	0.010	0.133	0.026	5.0	< 0.0010	0.019	8.02	103	< 3.0	< 0.005	0.13	10.6	120
9/9/19	< 0.0002	< 0.0005	< 0.0005		< 0.0008	< 0.01	< 0.0002	0.0094	< 0.050	0.0046	4.1	0.001	0.019	8.08	100	1.2	< 0.010	0.28	12	110
9/16/20	< 0.00020	< 0.00050	< 0.00050		< 0.00100	0.00253	< 0.00500	< 0.00500	0.222	0.0247	3.55	< 0.00100	0.0113	8.05	100	1.6	< 0.005	0.07	13	210
3/16/21	< 0.0002	< 0.0001	< 0.0001		< 0.00100	0.00230	< 0.00050	< 0.00500	0.132	0.0104	4.40	< 0.00100	< 0.0200	7.48	96	< 1.0	< 0.0050	0.09	13	120
Date										*87 Old Orebed Road*									
9/26/18	< 0.0002	< 0.0005	< 0.0005		< 0.0005	0.002	< 0.001	0.008	0.078	0.001	1.6	< 0.0010	0.063	**8.53**	73	< 3.0	< 0.005	0.20	5.0	87
9/9/19	< 0.00019	< 0.0005	< 0.0005		< 0.0008	< 0.01	< 0.0002	0.059	< 0.050	< 0.001	< 0.002	0.0026	0.1	**8.53**	76	< 1.0	< 0.010	0.31	5.8	82
9/16/20	< 0.00020	< 0.00050	< 0.00050		< 0.00100	0.00205	< 0.00050	< 0.00500	< 0.100	< 0.00500	< 2.00	< 0.00100	< 0.0100	7.98	77	0.50	< 0.005	0.19	5.9	220
3/16/21	< 0.0002	< 0.0001	< 0.0001		< 0.00100	0.00217	< 0.00050	< 0.00500	< 0.100	< 0.00500	< 2.00	< 0.00100	< 0.0200	7.35	69	< 1.0	< 0.0050	0.19	7.6	88
Date										*95 Old Orebed Road*									
9/26/18	< 0.0002	< 0.0005	< 0.0005		< 0.0005	0.001	< 0.001	0.027	0.021	< 0.001	**49.2**	0.0060	0.045	8.14	89	5.3	< 0.005	0.94	5.9	130
9/9/19	< 0.0002	< 0.0005	< 0.0005		< 0.0008	< 0.01	< 0.0002	0.18	< 0.050	< 0.001	**58**	0.0022	0.09	8.20	140	6.3	< 0.010	0.94	6.5	130
9/16/20	< 0.00020	< 0.00050	< 0.00050		< 0.00100	< 0.00100	< 0.00050	< 0.00500	< 0.100	< 0.00500	**45.6**	< 0.00100	< 0.0100	7.71	86	6.9	< 0.005	0.81	6.8	250
3/16/21	< 0.0002	< 0.0001	< 0.0001		< 0.00100	< 0.00100	< 0.00050	0.00526	< 0.100	< 0.00500	**52.3**	< 0.00100	< 0.0200	7.12	84	12	< 0.0050	0.94	7.4	140
Date										*99 Old Orebed Road*									
9/26/18	< 0.0002	< 0.0005	< 0.0005		< 0.0005	0.003	< 0.001	0.062	0.051	0.002	0.9	0.0027	0.017	8.20	81	< 3.0	< 0.005	0.12	3.3	92
9/9/19	< 0.0002	< 0.0005	< 0.0005		< 0.0008	< 0.01	< 0.0002	0.074	< 0.050	< 0.001	< 0.002	0.00069	< 0.010	8.48	87	< 1.0	< 0.010	0.20	3.8	78
9/16/20	< 0.00020	< 0.00050	< 0.00050		< 0.00100	0.00187	< 0.00050	0.0197	< 0.100	< 0.00500	< 2.00	< 0.00100	< 0.0100	7.74	79	0.65	< 0.005	0.10	3.9	< 10
3/16/21	< 0.0002	< 0.0001	< 0.0001		< 0.00100	< 0.00100	< 0.00050	0.117	< 0.100	< 0.00500	< 2.00	0.00191	0.0460	7.93	71	< 1.0	< 0.0050	0.11	< 1.5	85
Date										*S-1 Upstream*									
9/26/18	< 0.0002	< 0.001	< 0.001		< 0.004	0.003	< 0.001	< 0.005	0.052	0.022	3.25	< 0.002	< 0.002	7.73	**87**	4.4	< 0.010	0.10	< 3.0	110
9/9/19	< 0.0002	< 0.001	< 0.001		< 0.0008	< 0.01	< 0.0002	0.0027	0.10	**0.082**	4.2	0.0042	0.016	8.05	**99**	8.4	*0.11*	0.17	3.7	100
9/16/20	< 0.00028	< 0.001	< 0.001		< 0.0080	< 0.0100	< 0.0050	< 0.0100	**0.314**	**0.101**	4.09	< 0.0150	< 0.0200	6.99	**110**	11	< 0.010	< 0.05	< 5.0	160
3/16/21	< 0.0002	< 0.001	< 0.001		< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	0.0409	4.29	< 0.0150	< 0.0200	7.23	**82**	8.5	< 0.010	0.25	6.7	107
Date										*S-2 Downstream*									
9/26/18	< 0.0002	< 0.001	< 0.001		< 0.004	0.003	< 0.001	< 0.005	0.051	0.023	3.14	< 0.002	< 0.002	7.52	**87**	4.4	< 0.010	0.10	< 3.0	120
9/9/19	< 0.0002	< 0.001	< 0.001		< 0.0008	< 0.01	< 0.0002	< 0.001	< 0.050	**0.090**	4.4	< 0.0005	< 0.010	7.86	**93**	8.3	< 0.010	0.17	3.7	120
9/16/20	< 0.00028	< 0.001	< 0.001		< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	0.0366	3.98	< 0.0150	< 0.0200	8.05	**110**	10	< 0.010	< 0.05	< 5.0	145
3/16/21	< 0.0002	< 0.001	< 0.001		< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	0.0318	4.34	< 0.0150	< 0.0200	7.37	**81**	8.4	< 0.010	0.25	6.7	109

VOCs indicated as ug/l.
Metals and indicator parameters indicated as mg/l.
Blank indicates analyte not sampled.

TABLE - 5

Landfill Gas Monitoring Survey
Former Old Orebed Road Landfill
March 2021

Date:	3/16/2021	***Barometric Pressure:***	30.17
Reported by:	Kaley Fournier	***End:***	30.17
Weather Conditions:	Cloudy	***Temperature:***	32.8°
Wind & Direction:	1.4 mph Southwest	***End:***	31.5°
Ground Cover:	Snow		

LOCATION	*TIME*	*% CH_4*	*% LEL*	*% O_2*	*% CO_2*	*H_2S ppm*	*VOCs ppm*
Ambient	3:35	0	0	20.9	0	0	0
GW-1	3:25	0	0	20.7	0	0	0
GW-2	2:41	0	0	19.6	0.6	0	0
V-1	2:52	0	0	19.7	2.0	0	0
V-2	2:50	1.4	**28**	20.7	0.6	0	0
V-3	2:47	0	0	15.1	6.7	0	0
V-4	2:45	0	0	20.7	0.1	0	0
V-5	2:43	0	0	20.7	0.4	0	0
V-6	2:37	0	0	20.7	0.1	0	0
V-7	2:34	0	0	19.2	8.5	0	0
V-8	2:32	0	0	20.9	0.8	0	0
V-9	3:06	7.3	**146**	0.6	12.2	0	0
V-10	3:03	0.3	6	11.0	3.5	0	0
V-11	3:01	10.9	**218**	17.7	2.0	0	0
V-12	2:59	0	0	20.9	0.1	0	0
V-13	2:57	0.1	2	20.9	0.1	0	0
V-14	3:31	0	0	20.9	0.1	0	0
V-15	2:54	0	0	20.8	0.2	0	0
V-16	3:22	0	0	20.9	0.1	0	0
V-17	3:15	0	0	20.9	0.1	0	0
V-18	3:12	0.1	2	20.9	0.1	0	0
V-19	3:09	1.5	**30**	17.3	1.7	0	0
V-20	2:30	0.1	2	20.9	0.5	0	0
V-21	3:11	3.0	**60**	4.2	12.7	0	0
V-22	3:13	15.6	**312**	14.2	10.2	0	0
V-23	3:16	1.4	**28**	20.8	1.6	0	0
V-24	3:18	0	0	20.9	0.1	0	0

Analyzed using Geotechnical Instruments Landtec GEM-5000.
% CH_4: Percent methane.
% LEL: Percent of the Lower Explosive Limit.
% O_2: Percent oxygen.
% CO_2: Percent carbon dioxide.
H_2S: Hydrogen sulfide result recorded in parts per million by volume (ppmv) of total organic vapors (TOVs).
VOCs: Volatile Organic Compounds result recorded in ppmv of TOVs.

APPENDIX C

LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing New England

☑ Final Report
☐ Revised Report

Report Date:
25-Mar-21 17:08

Laboratory Report
SC60982

ATC Group Services, LLC
73 William Franks Drive
West Springfield, MA 01089
Attn: Todd Donze

Project: Old Orebed Rd Landfill - Lanesborough, MA
Project #: 183TD20066

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Connecticut # PH-0722
Massachusetts # RI907
New Jersey DEP - NELAP # RI008
New Hampshire # 2240
New York # 11393
Rhode Island # LAI00368
USDA # P330-20-00109

Authorized by:

Agnes Huntley
Project Manager

Analyses are performed in accordance with MA DEP certification standards. Massachusetts DEP does not offer certification for all analytes. For those that are offered, Eurofins Environment Testing Northeast, LLC holds certification for the analytes as indicated with an X in the "Cert." column within this report.
Please note that this report contains 33 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Environment Testing Northeast, LLC.

Eurofins Environment Testing Northeast, LLC is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Environment Testing Northeast, LLC is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.eurofinsus.com/Spectrum for a full listing of our current certifications and fields of accreditation.

Please contact the Laboratory or Technical Director at 413-789-9018 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC60982

Project: Old Orebed Rd Landfill - Lanesborough, MA

Project Number: 183TD20066

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC60982-01	55 Old Orebed Rd	Drinking Water	16-Mar-21 10:20	17-Mar-21 11:30
SC60982-02	87 Old Orebed Rd	Drinking Water	16-Mar-21 09:02	17-Mar-21 11:30
SC60982-03	95 Old Orebed Rd	Drinking Water	16-Mar-21 09:50	17-Mar-21 11:30
SC60982-04	99 Old Orebed Rd	Drinking Water	16-Mar-21 12:15	17-Mar-21 11:30
SC60982-05	Trip	Trip Blank	16-Mar-21 00:00	17-Mar-21 11:30

CASE NARRATIVE:

GC/MS VOA

Method 524.2_Preserved: The continuing calibration verification (CCV) associated with batch 410-105609 recovered above the upper control limit for t-Butyl alcohol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have
been reported.

Sample Acceptance Check Form

Client:	ATC Group Services, LLC - West Springfield, MA
Project:	Old Orebed Rd Landfill - Lanesborough, MA / 183TD20066
Work Order:	SC60982
Sample(s) received on:	3/17/2021

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Summary of Hits

Lab ID: SC60982-01 **Client ID:** 55 Old Orebed Rd

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.09		0.01	mg/l	E300.0
Calcium	24.5		0.500	mg/l	EPA 200.7
Iron	0.132		0.100	mg/l	EPA 200.7
Sodium	4.40		2.00	mg/l	EPA 200.7
Barium	0.00230		0.00100	mg/l	EPA 200.8
Manganese	0.0104		0.00500	mg/l	EPA 200.8
Sulfate	13		5.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	96		8.0	mg/l	SM 2320B
Total Dissolved Solids	120		30	mg/l	SM 2540C_Calcd

Lab ID: SC60982-02 **Client ID:** 87 Old Orebed Rd

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.19		0.01	mg/l	E300.0
Calcium	20.0		0.500	mg/l	EPA 200.7
Barium	0.00217		0.00100	mg/l	EPA 200.8
Sulfate	7.6		5.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	69		8.0	mg/l	SM 2320B
Total Dissolved Solids	88		30	mg/l	SM 2540C_Calcd

Lab ID: SC60982-03 **Client ID:** 95 Old Orebed Rd

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.94		0.01	mg/l	E300.0
Sodium	52.3		2.00	mg/l	EPA 200.7
Copper	0.00526		0.00500	mg/l	EPA 200.8
Chloride	12		2.0	mg/l	EPA 300_ORGFM_28D
Sulfate	7.4		5.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	84		8.0	mg/l	SM 2320B
Total Dissolved Solids	140		30	mg/l	SM 2540C_Calcd

Lab ID: SC60982-04 **Client ID:** 99 Old Orebed Rd

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.11		0.01	mg/l	E300.0
Calcium	25.6		0.500	mg/l	EPA 200.7
Zinc	0.0460		0.0200	mg/l	EPA 200.7
Barium	0.00205		0.00100	mg/l	EPA 200.8
Copper	0.117	GS1, D	0.0500	mg/l	EPA 200.8
Lead	0.00191		0.00100	mg/l	EPA 200.8
Total Alkalinity as CaCO3 to pH 4.5	71		8.0	mg/l	SM 2320B
Total Dissolved Solids	85		30	mg/l	SM 2540C_Calcd

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
55 Old Orebed Rd	183TD20066	Drinking Water	16-Mar-21 10:20	17-Mar-21
SC60982-01				

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Total Metals by EPA 200/6000 Series Methods													
Prepared by method General Prep-Metal													
Preservation	**Lab Preserved**		N/A		1				EPA 200/6000 methods	23-Mar-21		PMH	
Total Metals by EPA 200 Series Methods													
Silver	< 0.0100		mg/l	0.0100	1		0.1		EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Arsenic	< 0.00100		mg/l	0.00100	1	0.01			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Barium	**0.00230**		mg/l	0.00100	1	2			"	"	25-Mar-21	"	X
Calcium	**24.5**		mg/l	0.500	1				EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Cadmium	< 0.00050		mg/l	0.00050	1	0.005			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Chromium	< 0.00200		mg/l	0.00200	1	0.1			"	"	"	"	X
Copper	< 0.00500		mg/l	0.00500	1	1.3	1		"	"	"	"	X
Iron	**0.132**		mg/l	0.100	1		0.3		EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Mercury	< 0.00030	R06	mg/l	0.00030	1	0.002			EPA 245.1	25-Mar-21	25-Mar-21	edt	X
Manganese	**0.0104**		mg/l	0.00500	1		0.05		EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Sodium	**4.40**		mg/l	2.00	1			20	EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Lead	< 0.00100		mg/l	0.00100	1	0.015			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Selenium	< 0.00200		mg/l	0.00200	1	0.05			"	"	"	"	X
Zinc	< 0.0200		mg/l	0.0200	1		5		EPA 200.7	24-Mar-21	25-Mar-21	PMH/EDT	X
Subcontracted Analyses													
EPA 300_ORGFM_28D													
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Chloride	< 1.0		mg/l	2.0	5		250		EPA 300_ORGFM_28D	23-Mar-21 19:04	23-Mar-21 19:04	M-PA009	
Sulfate	**13**		mg/l	5.0	5		250		"	"	"	"	
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Naphthalene	< 0.20		ug/l	0.50	1			140	EPA-DW 524.2_Preserved	22-Mar-21 13:22	22-Mar-21 13:22	M-PA009	
Trichloroethene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Acrylonitrile	< 2.0		ug/l	10	1				"	"	"	"	
1,2,3-Trichloropropane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,4-Dichlorobenzene	< 0.10		ug/l	0.50	1	75			"	"	"	"	
o-Xylene	< 0.10		ug/l	0.50	1				"	"	"	"	
Tetrachloroethene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
2-Butanone	< 2.0		ug/l	5.0	1			4000	"	"	"	"	
Dibromomethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Tetrahydrofuran	< 2.0		ug/l	7.0	1			1300	"	"	"	"	
2,2-Dichloropropane	< 0.20		ug/l	0.50	1				"	"	"	"	
Chloromethane	< 0.20		ug/l	0.50	1				"	"	"	"	
Chlorobenzene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
Bromodichloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Ethyl t-butyl ether	< 0.10		ug/l	0.50	1				"	"	"	"	
cis-1,2-Dichloroethene	< 0.10		ug/l	0.50	1	70			"	"	"	"	
Hexachlorobutadiene	< 0.20		ug/l	0.50	1				"	"	"	"	
Styrene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
1,3-Dichloropropane	< 0.10		ug/l	0.50	1				"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
55 Old Orebed Rd	183TD20066	Drinking Water	16-Mar-21 10:20	17-Mar-21
SC60982-01				

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Vinyl chloride	< 0.10		ug/l	0.50	1	2			EPA-DW 524.2_Preserved	22-Mar-21 13:22	22-Mar-21 13:22	M-PA009	
m&p-Xylene	< 0.20		ug/l	1.0	1				"	"	"	"	
1,1,2-Trichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
p-Isopropyltoluene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichlorobenzene	< 0.10		ug/l	0.50	1	600			"	"	"	"	
di-Isopropyl ether	< 0.10		ug/l	0.50	1				"	"	"	"	
tert-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dibromoethane	< 0.10		ug/l	0.50	1	0.05			"	"	"	"	
4-Chlorotoluene	< 0.20		ug/l	0.50	1				"	"	"	"	
trans-1,3-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
Acetone	< 3.0		ug/l	10	1			6300	"	"	"	"	
4-Methyl-2-pentanone	< 0.60		ug/l	5.0	1			350	"	"	"	"	
t-Butyl alcohol	< 5.0	*+	ug/l	25	1			120	"	"	"	"	
2-Chlorotoluene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2,4-Trichlorobenzene	< 0.20		ug/l	0.50	1	70			"	"	"	"	
N-Propylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
t-Amyl methyl ether	< 0.10		ug/l	0.50	1			90	"	"	"	"	
Dichlorodifluoromethane	< 0.20		ug/l	0.50	1			1400	"	"	"	"	
Isopropylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromoform	< 0.20		ug/l	0.50	1				"	"	"	"	
Toluene	< 0.10		ug/l	0.50	1	1000			"	"	"	"	
1,2-Dibromo-3-Chloropropane	< 0.40		ug/l	1.0	1	0.2			"	"	"	"	
1,3-Dichlorobenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichloropropane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
cis-1,3-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromobenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1,1-Trichloroethane	< 0.10		ug/l	0.50	1	200			"	"	"	"	
Chloroform	< 0.10		ug/l	0.50	1			70	"	"	"	"	
Freon 113	< 0.20		ug/l	0.50	1			210000	"	"	"	"	
1,1,1,2-Tetrachloroethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromomethane	< 0.10		ug/l	0.50	1			10	"	"	"	"	
1,2,4-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethene	< 0.10		ug/l	0.50	1	7			"	"	"	"	
sec-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
trans-1,2-Dichloroethene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
Ethylbenzene	< 0.10		ug/l	0.50	1	700			"	"	"	"	
2-Hexanone	< 0.60		ug/l	5.0	1				"	"	"	"	
Chloroethane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,2,3-Trichlorobenzene	< 0.20		ug/l	0.50	1				"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
55 Old Orebed Rd	183TD20066	Drinking Water	16-Mar-21 10:20	17-Mar-21
SC60982-01				

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Methylene Chloride	< 0.30		ug/l	1.0	1	5			EPA-DW 524.2_Preserved	22-Mar-21 13:22	22-Mar-21 13:22	M-PA009	
Dibromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1,2,2-Tetrachloroethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Ethyl ether	< 0.20		ug/l	0.50	1				"	"	"	"	
Methyl tertiary butyl ether	< 0.10		ug/l	0.50	1		40	70	"	"	"	"	
Carbon disulfide	< 0.40		ug/l	2.0	1				"	"	"	"	
1,1-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
1,3,5-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Benzene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Trichlorofluoromethane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethane	< 0.10		ug/l	0.50	1			70	"	"	"	"	
Tentatively Identified Compound	**None**		ug/l		1				"	"	"	"	
Carbon tetrachloride	< 0.10		ug/l	0.50	1	5			"	"	"	"	
n-Butylbenzene	< 0.20		ug/l	0.50	1				"	"	"	"	
Surrogate recoveries:													
1,2-Dichlorobenzene-d4 (Surr)	*112*		*80-120 %*						"	"	"	"	
4-Bromofluorobenzene (Surr)	*103*		*80-120 %*						"	"	"	"	
Prepared by method Distill_CN													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Cyanide, Total	< 0.0050		mg/l	0.010	1	0.2			MCAWW 335.4	21-Mar-21 11:03	22-Mar-21 11:32	M-PA009	
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Total Alkalinity as CaCO3 to pH 4.5	**96**		mg/l	8.0	1				SM 2320B	20-Mar-21 06:11	20-Mar-21 06:11	M-PA009	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Total Dissolved Solids	**120**		mg/l	30	1				SM 2540C_Calcd	19-Mar-21 11:56	19-Mar-21 11:56	M-PA009	
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
Nitrate as Nitrogen	**0.09**		mg/l	0.01	1	10			E300.0	17-Mar-21 22:11	17-Mar-21 22:11	M-CT007	
Subcontracted Analyses													
Prepared by method EPA522													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
1,4-dioxane	< 0.20		ug/l	0.20	1			3	EPA522	18-Mar-21	19-Mar-21 12:06	M-CT007	
Surrogate recoveries:													
% 1,4-dioxane-d8	*85*		*70-130 %*						"	"	"	"	
Prepared by method SM 5220D													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
55 Old Orebed Rd SC60982-01	183TD20066	Drinking Water	16-Mar-21 10:20	17-Mar-21

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
Prepared by method SM 5220D													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
C.O.D.	< 10		mg/l	10	1				SM 5220D-11	18-Mar-21	18-Mar-21 13:55	M-CT007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
87 Old Orebed Rd	183TD20066	Drinking Water	16-Mar-21 09:02	17-Mar-21
SC60982-02				

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Total Metals by EPA 200/6000 Series Methods													
Prepared by method General Prep-Metal													
Preservation	**Lab Preserved**		N/A		1				EPA 200/6000 methods	23-Mar-21		PMH	
Total Metals by EPA 200 Series Methods													
Silver	< 0.0100		mg/l	0.0100	1		0.1		EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Arsenic	< 0.00100		mg/l	0.00100	1	0.01			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Barium	**0.00217**		mg/l	0.00100	1	2			"	"	"	"	X
Calcium	**20.0**		mg/l	0.500	1				EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Cadmium	< 0.00050		mg/l	0.00050	1	0.005			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Chromium	< 0.00200		mg/l	0.00200	1	0.1			"	"	"	"	X
Copper	< 0.00500		mg/l	0.00500	1	1.3	1		"	"	"	"	X
Iron	< 0.100		mg/l	0.100	1		0.3		EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Mercury	< 0.00030	R06	mg/l	0.00030	1	0.002			EPA 245.1	25-Mar-21	25-Mar-21	edt	X
Manganese	< 0.00500		mg/l	0.00500	1		0.05		EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Sodium	< 2.00		mg/l	2.00	1			20	EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Lead	< 0.00100		mg/l	0.00100	1	0.015			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Selenium	< 0.00200		mg/l	0.00200	1	0.05			"	"	"	"	X
Zinc	< 0.0200		mg/l	0.0200	1		5		EPA 200.7	24-Mar-21	25-Mar-21	PMH/EDT	X
Subcontracted Analyses													
EPA 300_ORGFM_28D													
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Chloride	< 1.0		mg/l	2.0	5		250		EPA 300_ORGFM_28D	23-Mar-21 15:26	23-Mar-21 15:26	M-PA009	
Sulfate	**7.6**		mg/l	5.0	5		250		"	"	"	"	
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
o-Xylene	< 0.10		ug/l	0.50	1				EPA-DW 524.2_Preserved	22-Mar-21 13:47	22-Mar-21 13:47	M-PA009	
Tetrachloroethene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
2-Butanone	< 2.0		ug/l	5.0	1			4000	"	"	"	"	
Dibromomethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Tetrahydrofuran	< 2.0		ug/l	7.0	1			1300	"	"	"	"	
2,2-Dichloropropane	< 0.20		ug/l	0.50	1				"	"	"	"	
Chloromethane	< 0.20		ug/l	0.50	1				"	"	"	"	
Chlorobenzene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
Bromodichloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Ethyl t-butyl ether	< 0.10		ug/l	0.50	1				"	"	"	"	
cis-1,2-Dichloroethene	< 0.10		ug/l	0.50	1	70			"	"	"	"	
Hexachlorobutadiene	< 0.20		ug/l	0.50	1				"	"	"	"	
Styrene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
1,3-Dichloropropane	< 0.10		ug/l	0.50	1				"	"	"	"	
Vinyl chloride	< 0.10		ug/l	0.50	1	2			"	"	"	"	
m&p-Xylene	< 0.20		ug/l	1.0	1				"	"	"	"	
1,1,2-Trichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
p-Isopropyltoluene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichlorobenzene	< 0.10		ug/l	0.50	1	600			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
87 Old Orebed Rd	183TD20066	Drinking Water	16-Mar-21 09:02	17-Mar-21
SC60982-02				

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
di-Isopropyl ether	< 0.10		ug/l	0.50	1				EPA-DW 524.2_Preserved	22-Mar-21 13:47	22-Mar-21 13:47	M-PA009	
tert-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dibromoethane	< 0.10		ug/l	0.50	1	0.05			"	"	"	"	
4-Chlorotoluene	< 0.20		ug/l	0.50	1				"	"	"	"	
trans-1,3-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
Acetone	< 3.0		ug/l	10	1			6300	"	"	"	"	
4-Methyl-2-pentanone	< 0.60		ug/l	5.0	1			350	"	"	"	"	
Naphthalene	< 0.20		ug/l	0.50	1			140	"	"	"	"	
Trichloroethene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Acrylonitrile	< 2.0		ug/l	10	1				"	"	"	"	
1,2,3-Trichloropropane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,4-Dichlorobenzene	< 0.10		ug/l	0.50	1	75			"	"	"	"	
t-Butyl alcohol	< 5.0	*+	ug/l	25	1			120	"	"	"	"	
2-Chlorotoluene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2,4-Trichlorobenzene	< 0.20		ug/l	0.50	1	70			"	"	"	"	
N-Propylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
t-Amyl methyl ether	< 0.10		ug/l	0.50	1			90	"	"	"	"	
Dichlorodifluoromethane	< 0.20		ug/l	0.50	1			1400	"	"	"	"	
Isopropylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromoform	< 0.20		ug/l	0.50	1				"	"	"	"	
Toluene	< 0.10		ug/l	0.50	1	1000			"	"	"	"	
1,2-Dibromo-3-Chloropropane	< 0.40		ug/l	1.0	1	0.2			"	"	"	"	
1,3-Dichlorobenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichloropropane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
cis-1,3-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromobenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1,1-Trichloroethane	< 0.10		ug/l	0.50	1	200			"	"	"	"	
Chloroform	< 0.10		ug/l	0.50	1			70	"	"	"	"	
Freon 113	< 0.20		ug/l	0.50	1			210000	"	"	"	"	
1,1,1,2-Tetrachloroethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromomethane	< 0.10		ug/l	0.50	1			10	"	"	"	"	
1,2,4-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethene	< 0.10		ug/l	0.50	1	7			"	"	"	"	
sec-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
trans-1,2-Dichloroethene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
Ethylbenzene	< 0.10		ug/l	0.50	1	700			"	"	"	"	
2-Hexanone	< 0.60		ug/l	5.0	1				"	"	"	"	
Chloroethane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,2,3-Trichlorobenzene	< 0.20		ug/l	0.50	1				"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
87 Old Orebed Rd SC60982-02	183TD20066	Drinking Water	16-Mar-21 09:02	17-Mar-21

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Methylene Chloride	< 0.30		ug/l	1.0	1	5			EPA-DW 524.2_Preserved	22-Mar-21 13:47	22-Mar-21 13:47	M-PA009	
Dibromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1,2,2-Tetrachloroethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Ethyl ether	< 0.20		ug/l	0.50	1				"	"	"	"	
Methyl tertiary butyl ether	< 0.10		ug/l	0.50	1		40	70	"	"	"	"	
Carbon disulfide	< 0.40		ug/l	2.0	1				"	"	"	"	
1,1-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
1,3,5-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Benzene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Trichlorofluoromethane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethane	< 0.10		ug/l	0.50	1			70	"	"	"	"	
Tentatively Identified Compound	**None**		ug/l		1				"	"	"	"	
Carbon tetrachloride	< 0.10		ug/l	0.50	1	5			"	"	"	"	
n-Butylbenzene	< 0.20		ug/l	0.50	1				"	"	"	"	
Surrogate recoveries:													
1,2-Dichlorobenzene-d4 (Surr)	*112*		*80-120 %*						"	"	"	"	
4-Bromofluorobenzene (Surr)	*104*		*80-120 %*						"	"	"	"	
Prepared by method Distill_CN													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Cyanide, Total	< 0.0050		mg/l	0.010	1	0.2			MCAWW 335.4	21-Mar-21 11:03	22-Mar-21 11:10	M-PA009	
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Total Alkalinity as CaCO3 to pH 4.5	**69**		mg/l	8.0	1				SM 2320B	20-Mar-21 07:22	20-Mar-21 07:22	M-PA009	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Total Dissolved Solids	**88**		mg/l	30	1				SM 2540C_Calcd	19-Mar-21 11:56	19-Mar-21 11:56	M-PA009	
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
Nitrate as Nitrogen	**0.19**		mg/l	0.01	1	10			E300.0	17-Mar-21 22:15	17-Mar-21 22:15	M-CT007	
Subcontracted Analyses													
Prepared by method EPA522													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
1,4-dioxane	< 0.20		ug/l	0.20	1			3	EPA522	18-Mar-21	19-Mar-21 12:22	M-CT007	
Surrogate recoveries:													
% 1,4-dioxane-d8	*83*		*70-130 %*						"	"	"	"	
Prepared by method SM 5220D													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
87 Old Orebed Rd SC60982-02	183TD20066	Drinking Water	16-Mar-21 09:02	17-Mar-21

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
Prepared by method SM 5220D													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
C.O.D.	< 10		mg/l	10	1				SM 5220D-11	18-Mar-21	18-Mar-21 13:56	M-CT007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
95 Old Orebed Rd	183TD20066	Drinking Water	16-Mar-21 09:50	17-Mar-21
SC60982-03				

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Total Metals by EPA 200/6000 Series Methods													
Prepared by method General Prep-Metal													
Preservation	**Lab Preserved**		N/A		1				EPA 200/6000 methods	23-Mar-21		PMH	
Total Metals by EPA 200 Series Methods													
Silver	< 0.0100		mg/l	0.0100	1		0.1		EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Arsenic	< 0.00100		mg/l	0.00100	1	0.01			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Barium	< 0.00100		mg/l	0.00100	1	2			"	"	"	"	X
Calcium	< 0.500		mg/l	0.500	1				EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Cadmium	< 0.00050		mg/l	0.00050	1	0.005			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Chromium	< 0.00200		mg/l	0.00200	1	0.1			"	"	"	"	X
Copper	**0.00526**		mg/l	0.00500	1	1.3	1		"	"	"	"	X
Iron	< 0.100		mg/l	0.100	1		0.3		EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Mercury	< 0.00030	R06	mg/l	0.00030	1	0.002			EPA 245.1	25-Mar-21	25-Mar-21	edt	X
Manganese	< 0.00500		mg/l	0.00500	1		0.05		EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Sodium	**52.3**		mg/l	2.00	1			20	EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Lead	< 0.00100		mg/l	0.00100	1	0.015			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Selenium	< 0.00200		mg/l	0.00200	1	0.05			"	"	"	"	X
Zinc	< 0.0200		mg/l	0.0200	1		5		EPA 200.7	24-Mar-21	25-Mar-21	PMH/EDT	X
Subcontracted Analyses													
EPA 300_ORGFM_28D													
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Sulfate	**7.4**		mg/l	5.0	5		250		EPA 300_ORGFM_28D	23-Mar-21 19:47	23-Mar-21 19:47	M-PA009	
Chloride	**12**		mg/l	2.0	5		250		"	"	"	"	
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
o-Xylene	< 0.10		ug/l	0.50	1				EPA-DW 524.2_Preserved	22-Mar-21 14:12	22-Mar-21 14:12	M-PA009	
Tetrachloroethene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
2-Butanone	< 2.0		ug/l	5.0	1			4000	"	"	"	"	
Dibromomethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Tetrahydrofuran	< 2.0		ug/l	7.0	1			1300	"	"	"	"	
2,2-Dichloropropane	< 0.20		ug/l	0.50	1				"	"	"	"	
Chloromethane	< 0.20		ug/l	0.50	1				"	"	"	"	
Chlorobenzene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
Bromodichloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Ethyl t-butyl ether	< 0.10		ug/l	0.50	1				"	"	"	"	
cis-1,2-Dichloroethene	< 0.10		ug/l	0.50	1	70			"	"	"	"	
Hexachlorobutadiene	< 0.20		ug/l	0.50	1				"	"	"	"	
Styrene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
1,3-Dichloropropane	< 0.10		ug/l	0.50	1				"	"	"	"	
Vinyl chloride	< 0.10		ug/l	0.50	1	2			"	"	"	"	
m&p-Xylene	< 0.20		ug/l	1.0	1				"	"	"	"	
1,1,2-Trichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
p-Isopropyltoluene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichlorobenzene	< 0.10		ug/l	0.50	1	600			"	"	"	"	

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
di-Isopropyl ether	< 0.10		ug/l	0.50	1				EPA-DW 524.2_Preserved	22-Mar-21 14:12	22-Mar-21 14:12	M-PA009	
tert-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dibromoethane	< 0.10		ug/l	0.50	1	0.05			"	"	"	"	
4-Chlorotoluene	< 0.20		ug/l	0.50	1				"	"	"	"	
trans-1,3-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
Acetone	< 3.0		ug/l	10	1			6300	"	"	"	"	
4-Methyl-2-pentanone	< 0.60		ug/l	5.0	1			350	"	"	"	"	
Naphthalene	< 0.20		ug/l	0.50	1			140	"	"	"	"	
Trichloroethene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Acrylonitrile	< 2.0		ug/l	10	1				"	"	"	"	
1,2,3-Trichloropropane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,4-Dichlorobenzene	< 0.10		ug/l	0.50	1	75			"	"	"	"	
t-Butyl alcohol	< 5.0	*+	ug/l	25	1			120	"	"	"	"	
2-Chlorotoluene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2,4-Trichlorobenzene	< 0.20		ug/l	0.50	1	70			"	"	"	"	
N-Propylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
t-Amyl methyl ether	< 0.10		ug/l	0.50	1			90	"	"	"	"	
Dichlorodifluoromethane	< 0.20		ug/l	0.50	1			1400	"	"	"	"	
Isopropylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromoform	< 0.20		ug/l	0.50	1				"	"	"	"	
Toluene	< 0.10		ug/l	0.50	1	1000			"	"	"	"	
1,2-Dibromo-3-Chloropropane	< 0.40		ug/l	1.0	1	0.2			"	"	"	"	
1,3-Dichlorobenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichloropropane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
cis-1,3-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromobenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1,1-Trichloroethane	< 0.10		ug/l	0.50	1	200			"	"	"	"	
Chloroform	< 0.10		ug/l	0.50	1			70	"	"	"	"	
Freon 113	< 0.20		ug/l	0.50	1			210000	"	"	"	"	
1,1,1,2-Tetrachloroethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromomethane	< 0.10		ug/l	0.50	1			10	"	"	"	"	
1,2,4-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethene	< 0.10		ug/l	0.50	1	7			"	"	"	"	
sec-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
trans-1,2-Dichloroethene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
Ethylbenzene	< 0.10		ug/l	0.50	1	700			"	"	"	"	
2-Hexanone	< 0.60		ug/l	5.0	1				"	"	"	"	
Chloroethane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,2,3-Trichlorobenzene	< 0.20		ug/l	0.50	1				"	"	"	"	

Analyte(s)	*Result*	*Flag*	*Units*	*RDL	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Methylene Chloride	< 0.30		ug/l	1.0	1	5			EPA-DW 524.2_Preserved	22-Mar-21 14:12	22-Mar-21 14:12	M-PA009	
Dibromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1,2,2-Tetrachloroethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Ethyl ether	< 0.20		ug/l	0.50	1				"	"	"	"	
Methyl tertiary butyl ether	< 0.10		ug/l	0.50	1		40	70	"	"	"	"	
Carbon disulfide	< 0.40		ug/l	2.0	1				"	"	"	"	
1,1-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
1,3,5-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Benzene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Trichlorofluoromethane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethane	< 0.10		ug/l	0.50	1			70	"	"	"	"	
Tentatively Identified Compound	**None**		ug/l		1				"	"	"	"	
Carbon tetrachloride	< 0.10		ug/l	0.50	1	5			"	"	"	"	
n-Butylbenzene	< 0.20		ug/l	0.50	1				"	"	"	"	
Surrogate recoveries:													
1,2-Dichlorobenzene-d4 (Surr)	*113*		*80-120 %*						"	"	"	"	
4-Bromofluorobenzene (Surr)	*107*		*80-120 %*						"	"	"	"	
Prepared by method Distill_CN													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Cyanide, Total	< 0.0050		mg/l	0.010	1	0.2			MCAWW 335.4	21-Mar-21 11:03	22-Mar-21 11:33	M-PA009	
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Total Alkalinity as CaCO3 to pH 4.5	**84**		mg/l	8.0	1				SM 2320B	20-Mar-21 07:28	20-Mar-21 07:28	M-PA009	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Total Dissolved Solids	**140**		mg/l	30	1				SM 2540C_Calcd	19-Mar-21 11:56	19-Mar-21 11:56	M-PA009	
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
Nitrate as Nitrogen	**0.94**		mg/l	0.01	1	10			E300.0	17-Mar-21 22:20	17-Mar-21 22:20	M-CT007	
Subcontracted Analyses													
Prepared by method EPA522													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
1,4-dioxane	< 0.20		ug/l	0.20	1			3	EPA522	18-Mar-21	19-Mar-21 12:38	M-CT007	
Surrogate recoveries:													
% 1,4-dioxane-d8	*82*		*70-130 %*						"	"	"	"	
Prepared by method SM 5220D													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
95 Old Orebed Rd SC60982-03	183TD20066	Drinking Water	16-Mar-21 09:50	17-Mar-21

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
Prepared by method SM 5220D													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
C.O.D.	< 10		mg/l	10	1				SM 5220D-11	18-Mar-21	18-Mar-21 13:56	M-CT007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
99 Old Orebed Rd	183TD20066	Drinking Water	16-Mar-21 12:15	17-Mar-21
SC60982-04				

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Total Metals by EPA 200/6000 Series Methods													
Prepared by method General Prep-Metal													
Preservation	**Lab Preserved**		N/A		1				EPA 200/6000 methods	23-Mar-21		PMH	
Total Metals by EPA 200 Series Methods													
Silver	< 0.0100		mg/l	0.0100	1		0.1		EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Arsenic	< 0.00100		mg/l	0.00100	1	0.01			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Barium	**0.00205**		mg/l	0.00100	1	2			"	"	"	"	X
Calcium	**25.6**		mg/l	0.500	1				EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Cadmium	< 0.00050		mg/l	0.00050	1	0.005			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Chromium	< 0.00200		mg/l	0.00200	1	0.1			"	"	"	"	X
Copper	**0.117**	GS1, D	mg/l	0.0500	10	1.3	1		"	"	25-Mar-21	"	X
Iron	< 0.100		mg/l	0.100	1		0.3		EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Mercury	< 0.00030	R06	mg/l	0.00030	1	0.002			EPA 245.1	25-Mar-21	25-Mar-21	edt	X
Manganese	< 0.00500		mg/l	0.00500	1		0.05		EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Sodium	< 2.00		mg/l	2.00	1			20	EPA 200.7	24-Mar-21	24-Mar-21	EDT	X
Lead	**0.00191**		mg/l	0.00100	1	0.015			EPA 200.8	24-Mar-21	25-Mar-21	edt	X
Selenium	< 0.00200		mg/l	0.00200	1	0.05			"	"	"	"	X
Zinc	**0.0460**		mg/l	0.0200	1		5		EPA 200.7	24-Mar-21	25-Mar-21	PMH/EDT	X
Subcontracted Analyses													
EPA 300_ORGFM_28D													
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Chloride	< 1.0	F1	mg/l	2.0	5		250		EPA 300_ORGFM_28D	23-Mar-21 15:50	23-Mar-21 15:50	M-PA009	
Sulfate	< 1.5	F1	mg/l	5.0	5		250		"	"	"	"	
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
o-Xylene	< 0.10		ug/l	0.50	1				EPA-DW 524.2_Preserved	22-Mar-21 14:37	22-Mar-21 14:37	M-PA009	
Tetrachloroethene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
2-Butanone	< 2.0		ug/l	5.0	1			4000	"	"	"	"	
Dibromomethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Tetrahydrofuran	< 2.0		ug/l	7.0	1			1300	"	"	"	"	
2,2-Dichloropropane	< 0.20		ug/l	0.50	1				"	"	"	"	
Chloromethane	< 0.20		ug/l	0.50	1				"	"	"	"	
Chlorobenzene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
Bromodichloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Ethyl t-butyl ether	< 0.10		ug/l	0.50	1				"	"	"	"	
cis-1,2-Dichloroethene	< 0.10		ug/l	0.50	1	70			"	"	"	"	
Hexachlorobutadiene	< 0.20		ug/l	0.50	1				"	"	"	"	
Styrene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
1,3-Dichloropropane	< 0.10		ug/l	0.50	1				"	"	"	"	
Vinyl chloride	< 0.10		ug/l	0.50	1	2			"	"	"	"	
m&p-Xylene	< 0.20		ug/l	1.0	1				"	"	"	"	
1,1,2-Trichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
p-Isopropyltoluene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichlorobenzene	< 0.10		ug/l	0.50	1	600			"	"	"	"	

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
di-Isopropyl ether	< 0.10		ug/l	0.50	1				EPA-DW 524.2_Preserved	22-Mar-21 14:37	22-Mar-21 14:37	M-PA009	
tert-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dibromoethane	< 0.10		ug/l	0.50	1	0.05			"	"	"	"	
4-Chlorotoluene	< 0.20		ug/l	0.50	1				"	"	"	"	
trans-1,3-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
Acetone	< 3.0		ug/l	10	1			6300	"	"	"	"	
4-Methyl-2-pentanone	< 0.60		ug/l	5.0	1			350	"	"	"	"	
Naphthalene	< 0.20		ug/l	0.50	1			140	"	"	"	"	
Trichloroethene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Acrylonitrile	< 2.0		ug/l	10	1				"	"	"	"	
1,2,3-Trichloropropane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,4-Dichlorobenzene	< 0.10		ug/l	0.50	1	75			"	"	"	"	
t-Butyl alcohol	< 5.0	*+	ug/l	25	1			120	"	"	"	"	
2-Chlorotoluene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2,4-Trichlorobenzene	< 0.20		ug/l	0.50	1	70			"	"	"	"	
N-Propylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
t-Amyl methyl ether	< 0.10		ug/l	0.50	1			90	"	"	"	"	
Dichlorodifluoromethane	< 0.20		ug/l	0.50	1			1400	"	"	"	"	
Isopropylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromoform	< 0.20		ug/l	0.50	1				"	"	"	"	
Toluene	< 0.10		ug/l	0.50	1	1000			"	"	"	"	
1,2-Dibromo-3-Chloropropane	< 0.40		ug/l	1.0	1	0.2			"	"	"	"	
1,3-Dichlorobenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichloropropane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
cis-1,3-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromobenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1,1-Trichloroethane	< 0.10		ug/l	0.50	1	200			"	"	"	"	
Chloroform	< 0.10		ug/l	0.50	1			70	"	"	"	"	
Freon 113	< 0.20		ug/l	0.50	1			210000	"	"	"	"	
1,1,1,2-Tetrachloroethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromomethane	< 0.10		ug/l	0.50	1			10	"	"	"	"	
1,2,4-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethene	< 0.10		ug/l	0.50	1	7			"	"	"	"	
sec-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
trans-1,2-Dichloroethene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
Ethylbenzene	< 0.10		ug/l	0.50	1	700			"	"	"	"	
2-Hexanone	< 0.60		ug/l	5.0	1				"	"	"	"	
Chloroethane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,2,3-Trichlorobenzene	< 0.20		ug/l	0.50	1				"	"	"	"	

Analyte(s)	*Result*	*Flag*	*Units*	*RDL	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Methylene Chloride	< 0.30		ug/l	1.0	1	5			EPA-DW 524.2_Preserved	22-Mar-21 14:37	22-Mar-21 14:37	M-PA009	
Dibromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1,2,2-Tetrachloroethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Ethyl ether	< 0.20		ug/l	0.50	1				"	"	"	"	
Methyl tertiary butyl ether	< 0.10		ug/l	0.50	1		40	70	"	"	"	"	
Carbon disulfide	< 0.40		ug/l	2.0	1				"	"	"	"	
1,1-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
1,3,5-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Benzene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Trichlorofluoromethane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethane	< 0.10		ug/l	0.50	1			70	"	"	"	"	
Tentatively Identified Compound	**None**		ug/l		1				"	"	"	"	
Carbon tetrachloride	< 0.10		ug/l	0.50	1	5			"	"	"	"	
n-Butylbenzene	< 0.20		ug/l	0.50	1				"	"	"	"	
Surrogate recoveries:													
1,2-Dichlorobenzene-d4 (Surr)	*113*		*80-120 %*						"	"	"	"	
4-Bromofluorobenzene (Surr)	*105*		*80-120 %*						"	"	"	"	
Prepared by method Distill_CN													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Cyanide, Total	< 0.0050		mg/l	0.010	1	0.2			MCAWW 335.4	21-Mar-21 11:03	22-Mar-21 11:35	M-PA009	
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Total Alkalinity as CaCO3 to pH 4.5	**71**		mg/l	8.0	1				SM 2320B	20-Mar-21 07:35	20-Mar-21 07:35	M-PA009	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
Total Dissolved Solids	**85**		mg/l	30	1				SM 2540C_Calcd	19-Mar-21 11:56	19-Mar-21 11:56	M-PA009	
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
Nitrate as Nitrogen	**0.11**		mg/l	0.01	1	10			E300.0	17-Mar-21 22:24	17-Mar-21 22:24	M-CT007	
Subcontracted Analyses													
Prepared by method EPA522													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
1,4-dioxane	< 0.20		ug/l	0.20	1			3	EPA522	18-Mar-21	19-Mar-21 12:54	M-CT007	
Surrogate recoveries:													
% 1,4-dioxane-d8	*76*		*70-130 %*						"	"	"	"	
Prepared by method SM 5220D													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
99 Old Orebed Rd SC60982-04	183TD20066	Drinking Water	16-Mar-21 12:15	17-Mar-21

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
Prepared by method SM 5220D													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
C.O.D.	< 10		mg/l	10	1				SM 5220D-11	18-Mar-21	18-Mar-21 13:56	M-CT007	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip	183TD20066	Trip Blank	16-Mar-21 00:00	17-Mar-21
SC60982-05				

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
1,1,1-Trichloroethane	< 0.10		ug/l	0.50	1	200			EPA-DW 524.2_Preserved	22-Mar-21 12:56	22-Mar-21 12:56	M-PA009	
1,1,2-Trichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
1,1-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1,1,2-Tetrachloroethane	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethane	< 0.10		ug/l	0.50	1			70	"	"	"	"	
1,1,2,2-Tetrachloroethane	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethene	< 0.10		ug/l	0.50	1	7			"	"	"	"	
1,2,3-Trichlorobenzene	< 0.20		ug/l	0.50	1				"	"	"	"	
1,2,4-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,2-Dibromo-3-Chloropropane	< 0.40		ug/l	1.0	1	0.2			"	"	"	"	
1,2-Dichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
1,2,4-Trichlorobenzene	< 0.20		ug/l	0.50	1	70			"	"	"	"	
1,2,3-Trichloropropane	< 0.20		ug/l	0.50	1				"	"	"	"	
1,2-Dibromoethane	< 0.10		ug/l	0.50	1	0.05			"	"	"	"	
1,2-Dichlorobenzene	< 0.10		ug/l	0.50	1	600			"	"	"	"	
1,2-Dichloropropane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
1,3-Dichloropropane	< 0.10		ug/l	0.50	1				"	"	"	"	
1,3,5-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,3-Dichlorobenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,4-Dichlorobenzene	< 0.10		ug/l	0.50	1	75			"	"	"	"	
2,2-Dichloropropane	< 0.20		ug/l	0.50	1				"	"	"	"	
2-Butanone	< 2.0		ug/l	5.0	1			4000	"	"	"	"	
2-Chlorotoluene	< 0.10		ug/l	0.50	1				"	"	"	"	
2-Hexanone	< 0.60		ug/l	5.0	1				"	"	"	"	
4-Chlorotoluene	< 0.20		ug/l	0.50	1				"	"	"	"	
4-Methyl-2-pentanone	< 0.60		ug/l	5.0	1			350	"	"	"	"	
Acetone	< 3.0		ug/l	10	1			6300	"	"	"	"	
Acrylonitrile	< 2.0		ug/l	10	1				"	"	"	"	
Benzene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Bromobenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromoform	< 0.20		ug/l	0.50	1				"	"	"	"	
Bromomethane	< 0.10		ug/l	0.50	1			10	"	"	"	"	
Bromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Bromodichloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Carbon tetrachloride	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Carbon disulfide	< 0.40		ug/l	2.0	1				"	"	"	"	
Chloromethane	< 0.20		ug/l	0.50	1				"	"	"	"	
Chlorobenzene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
Chloroform	< 0.10		ug/l	0.50	1			70	"	"	"	"	
Chloroethane	< 0.20		ug/l	0.50	1				"	"	"	"	
cis-1,2-Dichloroethene	< 0.10		ug/l	0.50	1	70			"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip SC60982-05	183TD20066	Trip Blank	16-Mar-21 00:00	17-Mar-21

Analyte(s)	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*MCL*	*SMCL*	*ORSG*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Cert.*
Subcontracted Analyses													
EPA-DW 524.2_Preserved													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
cis-1,3-Dichloropropene	< 0.10		ug/l	0.50	1				EPA-DW 524.2_Preserved	22-Mar-21 12:56	22-Mar-21 12:56	M-PA009	
di-Isopropyl ether	< 0.10		ug/l	0.50	1				"	"	"	"	
Dibromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Dibromomethane	< 0.10		ug/l	0.50	1				"	"	"	"	
Dichlorodifluoromethane	< 0.20		ug/l	0.50	1			1400	"	"	"	"	
Ethylbenzene	< 0.10		ug/l	0.50	1	700			"	"	"	"	
Ethyl ether	< 0.20		ug/l	0.50	1				"	"	"	"	
Ethyl t-butyl ether	< 0.10		ug/l	0.50	1				"	"	"	"	
Freon 113	< 0.20		ug/l	0.50	1			210000	"	"	"	"	
Hexachlorobutadiene	< 0.20		ug/l	0.50	1				"	"	"	"	
Isopropylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
m&p-Xylene	< 0.20		ug/l	1.0	1				"	"	"	"	
Methyl tertiary butyl ether	< 0.10		ug/l	0.50	1		40	70	"	"	"	"	
Methylene Chloride	< 0.30		ug/l	1.0	1	5			"	"	"	"	
n-Butylbenzene	< 0.20		ug/l	0.50	1				"	"	"	"	
N-Propylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Naphthalene	< 0.20		ug/l	0.50	1			140	"	"	"	"	
o-Xylene	< 0.10		ug/l	0.50	1				"	"	"	"	
p-Isopropyltoluene	< 0.10		ug/l	0.50	1				"	"	"	"	
sec-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Styrene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
t-Amyl methyl ether	< 0.10		ug/l	0.50	1			90	"	"	"	"	
t-Butyl alcohol	< 5.0	*+	ug/l	25	1			120	"	"	"	"	
Tentatively Identified Compound	**None**		ug/l		1				"	"	"	"	
tert-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"	
Tetrachloroethene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Tetrahydrofuran	< 2.0		ug/l	7.0	1			1300	"	"	"	"	
Toluene	< 0.10		ug/l	0.50	1	1000			"	"	"	"	
trans-1,2-Dichloroethene	< 0.10		ug/l	0.50	1	100			"	"	"	"	
trans-1,3-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
Trichloroethene	< 0.10		ug/l	0.50	1	5			"	"	"	"	
Trichlorofluoromethane	< 0.20		ug/l	0.50	1				"	"	"	"	
Vinyl chloride	< 0.10		ug/l	0.50	1	2			"	"	"	"	
Surrogate recoveries:													
1,2-Dichlorobenzene-d4 (Surr)	*111*		*80-120 %*						"	"	"	"	
4-Bromofluorobenzene (Surr)	*102*		*80-120 %*						"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 200.7										
Batch 2100987 - EPA 200 Series										
Blank (2100987-BLK1)					Prepared & Analyzed: 24-Mar-21					
Iron	< 0.100		mg/l	0.100						
Sodium	< 2.00		mg/l	2.00						
Silver	< 0.0100		mg/l	0.0100						
Calcium	< 0.500		mg/l	0.500						
Zinc	< 0.0200		mg/l	0.0200						
LCS (2100987-BS1)					Prepared & Analyzed: 24-Mar-21					
Iron	**2.44**		mg/l	0.100	2.50		98	85-115		
Sodium	**13.2**		mg/l	2.00	12.5		106	85-115		
Silver	**2.59**		mg/l	0.0100	2.50		104	85-115		
Calcium	**12.4**		mg/l	0.500	12.5		99	85-115		
Zinc	**2.61**		mg/l	0.0200	2.50		104	85-115		
Duplicate (2100987-DUP1)			**Source: SC60982-01**		Prepared & Analyzed: 24-Mar-21					
Iron	**0.134**		mg/l	0.100		0.132			2	20
Sodium	**4.44**		mg/l	2.00		4.40			0.9	20
Zinc	< 0.0200		mg/l	0.0200		BRL				20
Silver	< 0.0100		mg/l	0.0100		BRL				20
Calcium	**24.9**		mg/l	0.500		24.5			1	20
Matrix Spike (2100987-MS1)			**Source: SC60982-01**		Prepared & Analyzed: 24-Mar-21					
Iron	**2.63**		mg/l	0.100	2.50	0.132	100	70-130		
Sodium	**18.0**		mg/l	2.00	12.5	4.40	109	70-130		
Zinc	**2.61**		mg/l	0.0200	2.50	BRL	104	70-130		
Silver	**2.65**		mg/l	0.0100	2.50	BRL	106	70-130		
Calcium	**37.8**		mg/l	0.500	12.5	24.5	106	70-130		
Post Spike (2100987-PS1)			**Source: SC60982-01**		Prepared & Analyzed: 24-Mar-21					
Iron	**2.57**		mg/l	0.100	2.50	0.132	97	85-115		
Sodium	**17.5**		mg/l	2.00	12.5	4.40	105	85-115		
Silver	**2.57**		mg/l	0.0100	2.50	BRL	103	85-115		
Calcium	**36.7**		mg/l	0.500	12.5	24.5	98	85-115		
Zinc	**2.60**		mg/l	0.0200	2.50	BRL	104	85-115		
EPA 200.8										
Batch 2100988 - EPA 200 Series										
Blank (2100988-BLK1)					Prepared: 24-Mar-21 Analyzed: 25-Mar-21					
Lead	< 0.00100		mg/l	0.00100						
Manganese	< 0.00500		mg/l	0.00500						
Selenium	< 0.00200		mg/l	0.00200						
Chromium	< 0.00200		mg/l	0.00200						
Copper	< 0.00500		mg/l	0.00500						
Barium	< 0.00100		mg/l	0.00100						
Arsenic	< 0.00100		mg/l	0.00100						
Cadmium	< 0.00050		mg/l	0.00050						
LCS (2100988-BS1)					Prepared: 24-Mar-21 Analyzed: 25-Mar-21					
Selenium	**0.0251**		mg/l	0.00200	0.0250		100	85-115		
Lead	**0.0260**		mg/l	0.00100	0.0250		104	85-115		
Manganese	**0.0252**		mg/l	0.00500	0.0250		101	85-115		
Cadmium	**0.0252**		mg/l	0.00050	0.0250		101	85-115		
Chromium	**0.0245**		mg/l	0.00200	0.0250		98	85-115		
Barium	**0.0244**		mg/l	0.00100	0.0250		98	85-115		
Arsenic	**0.0253**		mg/l	0.00100	0.0250		101	85-115		
Copper	**0.0244**		mg/l	0.00500	0.0250		98	85-115		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 200.8										
Batch 2100988 - EPA 200 Series										
Duplicate (2100988-DUP1)			**Source: SC60982-03**			Prepared: 24-Mar-21 Analyzed: 25-Mar-21				
Manganese	< 0.00500		mg/l	0.00500		BRL				20
Selenium	< 0.00200		mg/l	0.00200		BRL				20
Lead	< 0.00100		mg/l	0.00100		BRL				20
Arsenic	**0.00016**	J	mg/l	0.00100		0.00017			7	20
Cadmium	< 0.00050		mg/l	0.00050		BRL				20
Barium	< 0.00100		mg/l	0.00100		BRL				20
Copper	**0.00520**		mg/l	0.00500		0.00526			1	20
Chromium	< 0.00200		mg/l	0.00200		BRL				20
Matrix Spike (2100988-MS1)			**Source: SC60982-03**			Prepared: 24-Mar-21 Analyzed: 25-Mar-21				
Selenium	**0.509**	D	mg/l	0.0200	0.500	BRL	102	70-130		
Manganese	**0.103**	D	mg/l	0.0500	0.100	BRL	103	70-130		
Lead	**0.117**	D	mg/l	0.0100	0.100	BRL	117	70-130		
Arsenic	**0.0839**	D	mg/l	0.0100	0.100	BRL	84	70-130		
Barium	**0.102**	D	mg/l	0.0100	0.100	BRL	102	70-130		
Cadmium	**0.0989**	D	mg/l	0.00500	0.100	BRL	99	75-125		
Chromium	**0.0952**	D	mg/l	0.0200	0.100	BRL	95	70-130		
Copper	**0.106**	D	mg/l	0.0500	0.100	0.00526	101	70-130		
Batch 2101066 - EPA 200 Series										
Blank (2101066-BLK1)						Prepared: 24-Mar-21 Analyzed: 25-Mar-21				
Lead	< 0.00100		mg/l	0.00100						
Selenium	< 0.00200		mg/l	0.00200						
Manganese	< 0.00500		mg/l	0.00500						
Chromium	< 0.00200		mg/l	0.00200						
Barium	< 0.00100		mg/l	0.00100						
Copper	< 0.00500		mg/l	0.00500						
Arsenic	< 0.00100		mg/l	0.00100						
Cadmium	< 0.00050		mg/l	0.00050						
LCS (2101066-BS1)						Prepared: 24-Mar-21 Analyzed: 25-Mar-21				
Manganese	**0.0868**	D	mg/l	0.0500	0.100		87	85-115		
Selenium	**0.429**	D	mg/l	0.0200	0.500		86	85-115		
Lead	**0.0875**	D	mg/l	0.0100	0.100		87	85-115		
Arsenic	**0.104**	D	mg/l	0.0100	0.100		104	85-115		
Copper	**0.0854**	D	mg/l	0.0500	0.100		85	85-115		
Cadmium	**0.0862**	D	mg/l	0.00500	0.100		86	85-115		
Barium	**0.0867**	D	mg/l	0.0100	0.100		87	85-115		
Chromium	**0.0876**	D	mg/l	0.0200	0.100		88	85-115		
Duplicate (2101066-DUP1)			**Source: SC60982-01**			Prepared: 24-Mar-21 Analyzed: 25-Mar-21				
Selenium	< 0.00200		mg/l	0.00200		BRL				20
Lead	< 0.00100		mg/l	0.00100		BRL				20
Manganese	**0.0102**		mg/l	0.00500		0.0104			2	20
Arsenic	**0.00040**	J	mg/l	0.00100		0.00039			2	20
Barium	**0.00218**		mg/l	0.00100		0.00230			6	20
Copper	**0.00222**	J	mg/l	0.00500		0.00225			1	20
Chromium	**0.00199**	J	mg/l	0.00200		0.00189			5	20
Cadmium	< 0.00050		mg/l	0.00050		BRL				20
Matrix Spike (2101066-MS1)			**Source: SC60982-01**			Prepared: 24-Mar-21 Analyzed: 25-Mar-21				
Lead	**0.0923**	D	mg/l	0.0100	0.100	BRL	92	70-130		
Manganese	**0.103**	D	mg/l	0.0500	0.100	0.0104	92	70-130		
Selenium	**0.441**	D	mg/l	0.0200	0.500	BRL	88	70-130		
Copper	**0.0886**	D	mg/l	0.0500	0.100	BRL	89	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 200.8										
Batch 2101066 - EPA 200 Series										
Matrix Spike (2101066-MS1)			**Source: SC60982-01**			Prepared: 24-Mar-21 Analyzed: 25-Mar-21				
Cadmium	**0.0889**	D	mg/l	0.00500	0.100	BRL	89	75-125		
Arsenic	**0.0920**	D	mg/l	0.0100	0.100	BRL	92	70-130		
Barium	**0.0919**	D	mg/l	0.0100	0.100	BRL	92	70-130		
Chromium	**0.0926**	D	mg/l	0.0200	0.100	0.00189	91	70-130		
Post Spike (2101066-PS1)			**Source: SC60982-01**			Prepared: 24-Mar-21 Analyzed: 25-Mar-21				
Manganese	**0.0993**	D	mg/l	0.0500	0.100	0.0104	89	85-115		
Lead	**0.0906**	D	mg/l	0.0100	0.100	BRL	91	85-115		
Selenium	**0.437**	D	mg/l	0.0200	0.500	BRL	87	85-115		
Arsenic	**0.0914**	D	mg/l	0.0100	0.100	BRL	91	85-115		
Barium	**0.0898**	D	mg/l	0.0100	0.100	BRL	90	85-115		
Cadmium	**0.0892**	D	mg/l	0.00500	0.100	BRL	89	85-115		
Chromium	**0.0909**	D	mg/l	0.0200	0.100	0.00189	89	85-115		
Copper	**0.0866**	D	mg/l	0.0500	0.100	BRL	87	85-115		
EPA 245.1										
Batch 2101063 - EPA200/SW7000 Series										
Blank (2101063-BLK1)						Prepared: 23-Mar-21 Analyzed: 25-Mar-21				
Mercury	< 0.00030		mg/l	0.00030						
LCS (2101063-BS1)						Prepared: 23-Mar-21 Analyzed: 25-Mar-21				
Mercury	**0.00485**		mg/l	0.00030	0.00500		97	85-115		
Duplicate (2101063-DUP1)			**Source: SC60982-02**			Prepared: 23-Mar-21 Analyzed: 25-Mar-21				
Mercury	< 0.00030		mg/l	0.00030		BRL				20
Matrix Spike (2101063-MS1)			**Source: SC60982-02**			Prepared: 23-Mar-21 Analyzed: 25-Mar-21				
Mercury	**0.00491**		mg/l	0.00030	0.00500	BRL	98	80-120		
Post Spike (2101063-PS1)			**Source: SC60982-02**			Prepared: 23-Mar-21 Analyzed: 25-Mar-21				
Mercury	**0.00472**		mg/l	0.00030	0.00500	BRL	94	85-115		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 300_ORGFM_28D										
Batch 106212 - NONE										
LCS (1062123Q)					Prepared & Analyzed: 23-Mar-21					
Sulfate	**7.70**		mg/l	0.30	7.50		103	90-110		
Chloride	**3.04**		mg/l	0.20	3.00		101	90-110		
Blank (1062124B)					Prepared & Analyzed: 23-Mar-21					
Sulfate	< 0.30		mg/l	0.30				-		
Chloride	< 0.20		mg/l	0.20				-		
Batch 106274 - NONE										
LCS (1062743Q)					Prepared & Analyzed: 23-Mar-21					
Sulfate	**7.86**		mg/l	0.30	7.50		105	90-110		
Chloride	**3.14**		mg/l	0.20	3.00		105	90-110		
Blank (1062744B)					Prepared & Analyzed: 23-Mar-21					
Sulfate	< 0.30		mg/l	0.30				-		
Chloride	< 0.20		mg/l	0.20				-		
Matrix Spike (327904S)			**Source: SC60982-04**		Prepared & Analyzed: 23-Mar-21					
Sulfate	**6.55**	F1	mg/l	1.5	25.0	BRL	8	90-110		
Chloride	< 1.0	F1	mg/l	1.0	10.0	BRL	11	90-110		
Duplicate (327904X)			**Source: SC60982-04**		Prepared & Analyzed: 23-Mar-21					
Chloride	< 1.0		mg/l	1.0		BRL		-	NC	15
Sulfate	< 1.5		mg/l	1.5		BRL		-	0.4	15
EPA-DW 524.2_Preserved										
Batch 105609 - NONE										
LCS (1056094Q)					Prepared & Analyzed: 22-Mar-21					
Bromochloromethane	**4.90**		ug/l	0.10	5.00		98	70-130		
2-Chlorotoluene	**4.95**		ug/l	0.10	5.00		99	70-130		
2-Hexanone	**25.5**		ug/l	0.60	25.0		102	70-130		
4-Chlorotoluene	**5.00**		ug/l	0.20	5.00		100	70-130		
4-Methyl-2-pentanone	**25.5**		ug/l	0.60	25.0		102	70-130		
Acetone	**46.7**		ug/l	3.0	37.5		124	70-130		
Acrylonitrile	**119**		ug/l	2.0	113		106	70-130		
Benzene	**4.67**		ug/l	0.10	5.00		93	70-130		
Methylene Chloride	**4.91**		ug/l	0.30	5.00		98	70-130		
1,4-Dichlorobenzene	**5.20**		ug/l	0.10	5.00		104	70-130		
Bromodichloromethane	**4.73**		ug/l	0.10	5.00		95	70-130		
Bromoform	**5.09**		ug/l	0.20	5.00		102	70-130		
Bromomethane	**2.01**		ug/l	0.10	2.00		100	70-130		
Carbon disulfide	**4.26**		ug/l	0.40	5.00		85	70-130		
Carbon tetrachloride	**4.70**		ug/l	0.10	5.00		94	70-130		
Chlorobenzene	**5.00**		ug/l	0.10	5.00		100	70-130		
Chloroethane	**1.89**		ug/l	0.20	2.00		95	70-130		
Chloroform	**4.76**		ug/l	0.10	5.00		95	70-130		
Chloromethane	**1.90**		ug/l	0.20	2.00		95	70-130		
Bromobenzene	**5.15**		ug/l	0.10	5.00		103	70-130		
1,2,4-Trichlorobenzene	**5.13**		ug/l	0.20	5.00		103	70-130		
cis-1,2-Dichloroethene	**4.76**		ug/l	0.10	5.00		95	70-130		
1,1,1,2-Tetrachloroethane	**5.10**		ug/l	0.10	5.00		102	70-130		
1,1,1-Trichloroethane	**4.64**		ug/l	0.10	5.00		93	70-130		
1,1,2,2-Tetrachloroethane	**5.13**		ug/l	0.10	5.00		103	70-130		
1,1,2-Trichloroethane	**5.18**		ug/l	0.10	5.00		104	70-130		
1,1-Dichloroethane	**4.56**		ug/l	0.10	5.00		91	70-130		
1,1-Dichloroethene	**4.71**		ug/l	0.10	5.00		94	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA-DW 524.2_Preserved										
Batch 105609 - NONE										
LCS (1056094Q)					Prepared & Analyzed: 22-Mar-21					
1,1-Dichloropropene	**4.55**		ug/l	0.10	5.00		91	70-130		
2-Butanone	**41.8**		ug/l	2.0	37.5		112	70-130		
1,2,3-Trichloropropane	**5.21**		ug/l	0.20	5.00		104	70-130		
2,2-Dichloropropane	**4.53**		ug/l	0.20	5.00		91	70-130		
1,2,4-Trimethylbenzene	**4.83**		ug/l	0.10	5.00		97	70-130		
1,2-Dibromo-3-Chloropropane	**5.16**		ug/l	0.40	5.00		103	70-130		
1,2-Dibromoethane	**5.12**		ug/l	0.10	5.00		102	70-130		
1,2-Dichlorobenzene	**5.23**		ug/l	0.10	5.00		105	70-130		
1,2-Dichloroethane	**4.89**		ug/l	0.10	5.00		98	70-130		
1,2-Dichloropropane	**4.89**		ug/l	0.10	5.00		98	70-130		
1,3,5-Trimethylbenzene	**4.86**		ug/l	0.10	5.00		97	70-130		
1,3-Dichlorobenzene	**5.07**		ug/l	0.10	5.00		101	70-130		
1,3-Dichloropropane	**5.01**		ug/l	0.10	5.00		100	70-130		
1,2,3-Trichlorobenzene	**5.29**		ug/l	0.20	5.00		106	70-130		
Toluene	**4.71**		ug/l	0.10	5.00		94	70-130		
p-Isopropyltoluene	**4.99**		ug/l	0.10	5.00		100	70-130		
sec-Butylbenzene	**5.01**		ug/l	0.10	5.00		100	70-130		
Styrene	**4.86**		ug/l	0.10	5.00		97	70-130		
t-Amyl methyl ether	**4.65**		ug/l	0.10	5.00		93	70-130		
t-Butyl alcohol	**81.5**	*+	ug/l	5.0	50.0		163	70-130		
o-Xylene	**4.75**		ug/l	0.10	5.00		95	70-130		
Tetrachloroethene	**5.30**		ug/l	0.10	5.00		106	70-130		
Tetrahydrofuran	**47.3**		ug/l	2.0	46.9		101	70-130		
trans-1,3-Dichloropropene	**5.14**		ug/l	0.10	5.00		103	70-130		
Trichloroethene	**4.75**		ug/l	0.10	5.00		95	70-130		
Trichlorofluoromethane	**1.95**		ug/l	0.20	2.00		98	70-130		
Vinyl chloride	**1.99**		ug/l	0.10	2.00		99	70-130		
m&p-Xylene	**9.64**		ug/l	0.20	10.0		96	70-130		
cis-1,3-Dichloropropene	**4.78**		ug/l	0.10	5.00		96	70-130		
tert-Butylbenzene	**4.72**		ug/l	0.10	5.00		94	70-130		
Ethyl t-butyl ether	**4.57**		ug/l	0.10	5.00		91	70-130		
Dibromochloromethane	**5.02**		ug/l	0.10	5.00		100	70-130		
Dibromomethane	**5.14**		ug/l	0.10	5.00		103	70-130		
trans-1,2-Dichloroethene	**4.64**		ug/l	0.10	5.00		93	70-130		
N-Propylbenzene	**4.92**		ug/l	0.10	5.00		98	70-130		
Dichlorodifluoromethane	**1.74**		ug/l	0.20	2.00		87	70-130		
di-Isopropyl ether	**4.64**		ug/l	0.10	5.00		93	70-130		
Ethyl ether	**5.51**		ug/l	0.20	5.00		110	70-130		
Ethylbenzene	**4.78**		ug/l	0.10	5.00		96	70-130		
Naphthalene	**5.01**		ug/l	0.20	5.00		100	70-130		
Freon 113	**4.24**		ug/l	0.20	5.00		85	70-130		
Hexachlorobutadiene	**5.43**		ug/l	0.20	5.00		109	70-130		
n-Butylbenzene	**4.81**		ug/l	0.20	5.00		96	70-130		
Isopropylbenzene	**4.62**		ug/l	0.10	5.00		92	70-130		
Methyl tertiary butyl ether	**4.57**		ug/l	0.10	5.00		91	70-130		
Surrogate: 4-Bromofluorobenzene (Surr)	*5.28*		ug/l		*5.00*		*106*	*80-120*		
Surrogate: 1,2-Dichlorobenzene-d4 (Surr)	*5.49*		ug/l		*5.00*		*110*	*80-120*		
Blank (1056096B)					Prepared & Analyzed: 22-Mar-21					
Bromobenzene	< 0.10		ug/l	0.10				-		
Benzene	< 0.10		ug/l	0.10				-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA-DW 524.2_Preserved										
Batch 105609 - NONE										
Blank (1056096B)					Prepared & Analyzed: 22-Mar-21					
Acrylonitrile	< 2.0		ug/l	2.0				-		
Acetone	< 3.0		ug/l	3.0				-		
2-Chlorotoluene	< 0.10		ug/l	0.10				-		
2-Hexanone	< 0.60		ug/l	0.60				-		
Bromochloromethane	< 0.10		ug/l	0.10				-		
Chloroform	< 0.10		ug/l	0.10				-		
4-Chlorotoluene	< 0.20		ug/l	0.20				-		
4-Methyl-2-pentanone	< 0.60		ug/l	0.60				-		
Bromodichloromethane	< 0.10		ug/l	0.10				-		
Bromoform	< 0.20		ug/l	0.20				-		
Bromomethane	< 0.10		ug/l	0.10				-		
Carbon disulfide	< 0.40		ug/l	0.40				-		
Carbon tetrachloride	< 0.10		ug/l	0.10				-		
Chloroethane	< 0.20		ug/l	0.20				-		
2-Butanone	< 2.0		ug/l	2.0				-		
1,1-Dichloroethane	< 0.10		ug/l	0.10				-		
Chloromethane	< 0.20		ug/l	0.20				-		
Chlorobenzene	< 0.10		ug/l	0.10				-		
1,2,4-Trimethylbenzene	< 0.10		ug/l	0.10				-		
1,1,1,2-Tetrachloroethane	< 0.10		ug/l	0.10				-		
1,1,1-Trichloroethane	< 0.10		ug/l	0.10				-		
1,1,2,2-Tetrachloroethane	< 0.10		ug/l	0.10				-		
1,1,2-Trichloroethane	< 0.10		ug/l	0.10				-		
m&p-Xylene	< 0.20		ug/l	0.20				-		
1,1-Dichloroethene	< 0.10		ug/l	0.10				-		
cis-1,2-Dichloroethene	< 0.10		ug/l	0.10				-		
1,2,3-Trichlorobenzene	< 0.20		ug/l	0.20				-		
1,1-Dichloropropene	< 0.10		ug/l	0.10				-		
1,2,4-Trichlorobenzene	< 0.20		ug/l	0.20				-		
2,2-Dichloropropane	< 0.20		ug/l	0.20				-		
1,2-Dibromo-3-Chloropropane	< 0.40		ug/l	0.40				-		
1,2-Dibromoethane	< 0.10		ug/l	0.10				-		
1,2-Dichlorobenzene	< 0.10		ug/l	0.10				-		
1,2-Dichloroethane	< 0.10		ug/l	0.10				-		
1,2-Dichloropropane	< 0.10		ug/l	0.10				-		
1,3,5-Trimethylbenzene	< 0.10		ug/l	0.10				-		
1,3-Dichlorobenzene	< 0.10		ug/l	0.10				-		
1,3-Dichloropropane	< 0.10		ug/l	0.10				-		
1,4-Dichlorobenzene	< 0.10		ug/l	0.10				-		
1,2,3-Trichloropropane	< 0.20		ug/l	0.20				-		
Toluene	< 0.10		ug/l	0.10				-		
Styrene	< 0.10		ug/l	0.10				-		
t-Amyl methyl ether	< 0.10		ug/l	0.10				-		
t-Butyl alcohol	< 5.0		ug/l	5.0				-		
Tentatively Identified Compound	**None**		ug/l					-		
tert-Butylbenzene	< 0.10		ug/l	0.10				-		
sec-Butylbenzene	< 0.10		ug/l	0.10				-		
Tetrahydrofuran	< 2.0		ug/l	2.0				-		
trans-1,2-Dichloroethene	< 0.10		ug/l	0.10				-		
cis-1,3-Dichloropropene	< 0.10		ug/l	0.10				-		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA-DW 524.2_Preserved										
Batch 105609 - NONE										
Blank (1056096B)					Prepared & Analyzed: 22-Mar-21					
trans-1,3-Dichloropropene	< 0.10		ug/l	0.10				-		
Hexachlorobutadiene	< 0.20		ug/l	0.20				-		
Trichloroethene	< 0.10		ug/l	0.10				-		
Trichlorofluoromethane	< 0.20		ug/l	0.20				-		
Vinyl chloride	< 0.10		ug/l	0.10				-		
Tetrachloroethene	< 0.10		ug/l	0.10				-		
Ethyl t-butyl ether	< 0.10		ug/l	0.10				-		
p-Isopropyltoluene	< 0.10		ug/l	0.10				-		
Dibromochloromethane	< 0.10		ug/l	0.10				-		
Dibromomethane	< 0.10		ug/l	0.10				-		
Dichlorodifluoromethane	< 0.20		ug/l	0.20				-		
Ethyl ether	< 0.20		ug/l	0.20				-		
Ethylbenzene	< 0.10		ug/l	0.10				-		
Freon 113	< 0.20		ug/l	0.20				-		
N-Propylbenzene	< 0.10		ug/l	0.10				-		
Methyl tertiary butyl ether	< 0.10		ug/l	0.10				-		
Methylene Chloride	< 0.30		ug/l	0.30				-		
Naphthalene	< 0.20		ug/l	0.20				-		
o-Xylene	< 0.10		ug/l	0.10				-		
n-Butylbenzene	< 0.20		ug/l	0.20				-		
Isopropylbenzene	< 0.10		ug/l	0.10				-		
di-Isopropyl ether	< 0.10		ug/l	0.10				-		
Surrogate: 1,2-Dichlorobenzene-d4 (Surr)	*5.56*		ug/l		*5.00*		*111*	*80-120*		
Surrogate: 4-Bromofluorobenzene (Surr)	*5.32*		ug/l		*5.00*		*106*	*80-120*		
MCAWW 335.4										
Batch 105412 - Distill_CN										
LCS (1054121AQ)					Prepared: 21-Mar-21 Analyzed: 22-Mar-21					
Cyanide, Total	**0.203**		mg/l	0.0050	0.200		102	90-110		
LCS Dup (10541224AY)			**Source: 1054121AQ**		Prepared: 21-Mar-21 Analyzed: 22-Mar-21					
Cyanide, Total	**0.190**		mg/l	0.0050	0.200	0.203	95	90-110	7	20
Blank (1054122AB)					Prepared: 21-Mar-21 Analyzed: 22-Mar-21					
Cyanide, Total	< 0.0050		mg/l	0.0050				-		
Matrix Spike (327902S)			**Source: SC60982-02**		Prepared: 21-Mar-21 Analyzed: 22-Mar-21					
Cyanide, Total	**0.202**		mg/l	0.0050	0.200	BRL	101	90-110		
Duplicate (327902X)			**Source: SC60982-02**		Prepared: 21-Mar-21 Analyzed: 22-Mar-21					
Cyanide, Total	< 0.0050		mg/l	0.0050		BRL		-	NC	20
SM 2320B										
Batch 105768 - NONE										
Blank (105768116B)					Prepared & Analyzed: 20-Mar-21					
Total Alkalinity as CaCO3 to pH 4.5	< 2.6		mg/l	2.6				-		
LCS (105768117Q)					Prepared & Analyzed: 20-Mar-21					
Total Alkalinity as CaCO3 to pH 4.5	**178**		mg/l	2.6	189		94	82-106		
Duplicate (327901X)			**Source: SC60982-01**		Prepared & Analyzed: 20-Mar-21					
Total Alkalinity as CaCO3 to pH 4.5	**94.6**		mg/l	2.6		96		-	1	5
SM 2540C_Calcd										
Batch 105148 - NONE										
LCS Dup (10514820Y)			**Source: 1051482Q**		Prepared & Analyzed: 19-Mar-21					
Total Dissolved Solids	**202**		mg/l	20	200	203	101	72-127	0	23

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SM 2540C_Calcd										
Batch 105148 - NONE										
LCS (1051482Q)					Prepared & Analyzed: 19-Mar-21					
Total Dissolved Solids	**203**		mg/l	20	200		101	72-127		

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
E300.0										
Batch 567386A - E300.0										
Blank (CH80020-BLK)						Prepared & Analyzed: 17-Mar-21				
Nitrate as Nitrogen	< 0.05		mg/l	0.05			BRL	-		
LCS (CH80020-LCS)						Prepared & Analyzed: 17-Mar-21				
Nitrate as Nitrogen	**1.122**		mg/l	0.05	031218529		99.3	90-110		20
EPA522										
Batch 567401A - EPA522										
Blank (CH80092-BLK)						Prepared: 18-Mar-21 Analyzed: 19-Mar-21				
1,4-dioxane	< 0.20		ug/l	0.20			ND	-		
Surrogate: % 1,4-dioxane-d8	*81*		ug/l		*5*		*81*	*70-130*		
LCS (CH80092-LCS)						Prepared: 18-Mar-21 Analyzed: 19-Mar-21				
1,4-dioxane	**0.4674**		ug/l	0.20	0.5		93	70-130		20
Surrogate: % 1,4-dioxane-d8	*4.025*		ug/l		*5*		*80*	*70-130*		
LCS Dup (CH80092-LCSD)			**Source: CH80092-LCS**			Prepared: 18-Mar-21 Analyzed: 19-Mar-21				
1,4-dioxane	**0.4331**		ug/l	0.20	0.5		87	70-130	6.7	20
Surrogate: % 1,4-dioxane-d8	*3.654*		ug/l		*5*		*73*	*70-130*		
Matrix Spike (CH80092-MS)			**Source: SC60982-01**			Prepared: 18-Mar-21 Analyzed: 19-Mar-21				
1,4-dioxane	**0.4719**		ug/l	0.20	0.5	BRL	94	70-130		20
Surrogate: % 1,4-dioxane-d8	*3.721*		ug/l		*5*		*74*	*70-130*		
SM 5220D-11										
Batch 567391A - SM 5220D										
Blank (CH80534-BLK)						Prepared & Analyzed: 18-Mar-21				
C.O.D.	< 10		mg/l	10			BRL	-		
LCS (CH80534-LCS)						Prepared & Analyzed: 18-Mar-21				
C.O.D.	**207.8**		mg/l	10	208		99.9	85-115		20

Notes and Definitions

*+	LCS and/or LCSD is outside acceptance limits, high biased.
D	Data reported from a dilution
F1	MS and/or MSD recovery exceeds control limits.
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
R06	MRL raised to correlate to batch QC reporting limits.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
MCL	EPA Maximum Contaminant Level, represents the maximum permissible level of a contaminant in drinking water.
SMCL	EPA Secondary Maximum Contaminant Level, representing reasonable goals for drinking water. These standards are developed to protect the aesthetic qualities of drinking water and are not health based. EPA recommends secondary standards to water systems but does not require systems to comply. However, states may choose to adopt them as enforceable standards.
ORSG	Office of Research and Standards Guideline. This is the concentration of a chemical in drinking water, at or below which, adverse, non-cancer health effects are unlikely to occur after chronic (lifetime) exposure.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Sc60982 EM

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: Todd Donze
ATC
Telephone #: (413) 781-0070
Project Mgr: Todd Donze

Invoice To: Same
P.O No.: _____ Quote #: Extreme

Project No: 183TD200666
Site Name: Old Orebed Road Landfill
Location: Lanesborough State: MA
Sampler(s): _____

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= Ice 12= _____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= DiH_2O X2= _____ X3= _____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TDS, Alkalinity, Chloride, Sulfate	Nitrate Nitrogen	COD	Total CN	*Total Metals	**VOCs 524.2	***1,4-Dioxane	Check if chlorinated
-01	55 Old Orebed Rd	3/16/21	10:20	G	DW	3	2		5	X	X	X	X	X	X	X	
-02	87 Old Orebed Rd	3/16/21	9:02	G	DW	3	2		5	X	X	X	X	X	X	X	
-03	95 Old Orebed Rd	3/16/21	9:50	G	DW	3	2		5	X	X	X	X	X	X	X	
-04	99 Old Orebed Rd	3/16/21	12:15	G	DW	3	2		5	X	X	X	X	X	X	X	
	Trip	3/16/21	LAB	G	X1	1									X		

List Preservative Code below: 11 | 11 | 3,11 | 5,11 | 5,11 | 2,11 | 11

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? Yes No
CT DPH RCP Report? Yes No
Standard No QC
DQA*
ASP A* ASP B*
NJ Reduced* NJ Full*
Tier II* Tier IV*
Other: _____
State-specific reporting standards:

*Ag, As, Ba, Ca, Cd, Cr, Cu, Fe, Hg, Mn, Na, Pb, Se, Zn
**include MEK, MIBK, Acetone at lowest detection limits & unknown peaks >5x Background & Please Provide TICs forms
***AT lowest detection limit <0.3ppb (ug/L)

Relinquished by:	Received by:	Date:	Time:
		3-17-21	826
		3/17/21	11:30

Temp °C: Observed 1.6; Correction Factor +1; Corrected 2.6; IR ID # 6

EDD format: _____
E-mail to: Todd.donze@atcassociates.com

Condition upon receipt: Custody Seals: Present Intact Broken
Ambient Iced Refrigerated DI VOA Frozen Soil Jar Frozen

Batch Summary

105148

Subcontracted Analyses

10514820Y
1051482Q
SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

105412

Subcontracted Analyses

1054121AQ
10541224AY
1054122AB
327902S
327902X
SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

105609

Subcontracted Analyses

1056094Q
1056096B
SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)
SC60982-05 (Trip)

105768

Subcontracted Analyses

105768116B
105768117Q
327901X
SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

106212

Subcontracted Analyses

1062123Q
1062124B
SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)

106274

Subcontracted Analyses

1062743Q
1062744B
327904S
327904X
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

2100987

Total Metals by EPA 200 Series Methods

2100987-BLK1
2100987-BS1
2100987-DUP1
2100987-MS1
2100987-PS1
SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

2100988

Total Metals by EPA 200 Series Methods

2100988-BLK1
2100988-BS1
2100988-DUP1
2100988-MS1
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

2101063

Total Metals by EPA 200 Series Methods

2101063-BLK1
2101063-BS1
2101063-DUP1
2101063-MS1
2101063-PS1
SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

2101066

Total Metals by EPA 200 Series Methods

2101066-BLK1
2101066-BS1
2101066-DUP1
2101066-MS1
2101066-PS1
SC60982-01 (55 Old Orebed Rd)

2101101

Total Metals by EPA 200/6000 Series Methods

SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

567386A

Subcontracted Analyses

CH80020-BLK
CH80020-LCS
SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

567391A

Subcontracted Analyses

CH80534-BLK
CH80534-LCS
SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

567401A

Subcontracted Analyses

CH80092-BLK
CH80092-LCS
CH80092-LCSD
CH80092-MS
SC60982-01 (55 Old Orebed Rd)
SC60982-02 (87 Old Orebed Rd)
SC60982-03 (95 Old Orebed Rd)
SC60982-04 (99 Old Orebed Rd)

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☐ Final Report
☑ Revised Report

Report Date:
01-Apr-21 18:05

Laboratory Report
SC60981

ATC Group Services, LLC
73 William Franks Drive
West Springfield, MA 01089
Attn: Todd Donze

Project: Old Orebed Rd Landfill - Lanesborough, MA
Project #: 183TD20066

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Connecticut # PH-0722
Massachusetts # RI907
New Jersey DEP - NELAP # RI008
New Hampshire # 2240
New York # 11393
Rhode Island # LAI00368
USDA # P330-20-00109

Authorized by:

Agnes Huntley
Project Manager

Eurofins Environment Testing Northeast, LLC holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 64 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Environment Testing Northeast, LLC.

Eurofins Environment Testing Northeast, LLC is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Environment Testing Northeast, LLC is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.eurofinsus.com/Spectrum for a full listing of our current certifications and fields of accreditation.

Please contact the Laboratory or Technical Director at 413-789-9018 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC60981

Project: Old Orebed Rd Landfill - Lanesborough, MA

Project Number: 183TD20066

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC60981-01	MW-8	Ground Water	16-Mar-21 16:50	17-Mar-21 11:00
SC60981-02	MW-16	Ground Water	16-Mar-21 11:20	17-Mar-21 11:00
SC60981-03	MW-18	Ground Water	16-Mar-21 10:17	17-Mar-21 11:00
SC60981-04	MW-101D	Ground Water	16-Mar-21 12:55	17-Mar-21 11:00
SC60981-05	MW-103D	Ground Water	16-Mar-21 09:10	17-Mar-21 11:00
SC60981-06	MW-104D	Ground Water	16-Mar-21 13:15	17-Mar-21 11:00
SC60981-07	S-1	Surface Water	16-Mar-21 11:20	17-Mar-21 11:00
SC60981-08	S-2	Surface Water	16-Mar-21 11:00	17-Mar-21 11:00
SC60981-09	Trip	Trip Blank	16-Mar-21 00:00	17-Mar-21 11:00

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 3.4 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

Due to possible microbial action or loss or gain of gases when the sample is exposed to air, the sampling recommendation for alkalinity or acidity suggests a separate bottle filled completely and capped tightly. When possible, testing for alkalinity or acidity is performed as soon as possible from the designated unopened, full container.

General Chemistry
Method 410.4: The following samples were diluted due to the nature of the sample matrix: SC60981-02 (410-32789-2), SC60981-03 (410-32789-3) and SC60981-05 (410-32789-5). Elevated reporting limits (RLs) are provided.

Method 9012A: The following sample(s) were found to contain residual chlorine: SC60981-01 (410-32789-1) and SC60981-02 (410-32789-2). The chlorine was treated and removed prior to preparation/analysis.

Report Revision April 1, 2021
Report revised to lower the RL for Managenese per request of the client.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 200.7

Samples:

SC60981-01 *MW-8*

MRL raised to correlate to batch QC reporting limits.
Manganese

SC60981-02 *MW-16*

MRL raised to correlate to batch QC reporting limits.
Manganese

SC60981-03 *MW-18*

MRL raised to correlate to batch QC reporting limits.
Manganese

SC60981-04 *MW-101D*

MRL raised to correlate to batch QC reporting limits.
Manganese

SC60981-05 *MW-103D*

MRL raised to correlate to batch QC reporting limits.
Manganese

SC60981-06 *MW-104D*

EPA 200.7

Samples:

SC60981-06 *MW-104D*

MRL raised to correlate to batch QC reporting limits.

Manganese

SC60981-07 *S-1*

MRL raised to correlate to batch QC reporting limits.

Manganese

SC60981-08 *S-2*

MRL raised to correlate to batch QC reporting limits.

Manganese

EPA 200.7/3005A/6010

Samples:

SC60981-02 *MW-16*

Sample submitted with insufficient time to prepare or analyze within the method recommended holding time.

Filtration

SC60981-03 *MW-18*

Sample submitted with insufficient time to prepare or analyze within the method recommended holding time.

Filtration

SC60981-05 *MW-103D*

Sample submitted with insufficient time to prepare or analyze within the method recommended holding time.

Filtration

SC60981-07 *S-1*

Sample submitted with insufficient time to prepare or analyze within the method recommended holding time.

Filtration

SC60981-08 *S-2*

Sample submitted with insufficient time to prepare or analyze within the method recommended holding time.

Filtration

EPA 245.1/7470A

Samples:

SC60981-01 *MW-8*

MRL raised to correlate to batch QC reporting limits.

Mercury

SC60981-02 *MW-16*

MRL raised to correlate to batch QC reporting limits.

Mercury

SC60981-03 *MW-18*

EPA 245.1/7470A

Samples:

SC60981-03 *MW-18*

MRL raised to correlate to batch QC reporting limits.

Mercury

SC60981-04 *MW-101D*

MRL raised to correlate to batch QC reporting limits.

Mercury

SC60981-05 *MW-103D*

MRL raised to correlate to batch QC reporting limits.

Mercury

SC60981-06 *MW-104D*

MRL raised to correlate to batch QC reporting limits.

Mercury

SC60981-07 *S-1*

MRL raised to correlate to batch QC reporting limits.

Mercury

SC60981-08 *S-2*

MRL raised to correlate to batch QC reporting limits.

Mercury

SM 2320B

Spikes:

327891S *Source: SC60981-01*

MS and/or MSD recovery exceeds control limits.

Total Alkalinity as CaCO3 to pH 4.5

Samples:

SC60981-01 *MW-8*

MS and/or MSD recovery exceeds control limits.

Total Alkalinity as CaCO3 to pH 4.5

SM18-22 2540C

Duplicates:

2100986-DUP2 *Source: SC60981-02*

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.

Total Dissolved Solids

Sample Acceptance Check Form

Client:	ATC Group Services, LLC - West Springfield, MA
Project:	Old Orebed Rd Landfill - Lanesborough, MA / 183TD20066
Work Order:	SC60981
Sample(s) received on:	3/17/2021

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☐	☑	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Summary of Hits

Lab ID: SC60981-01 **Client ID:** MW-8

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.42		0.05	mg/l	E300.0
Calcium (dissolved)	87.0		0.500	mg/l	EPA 200.7
Sodium (dissolved)	4.88		2.00	mg/l	EPA 200.7
Chloride	4.9		2.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	170	F1	8.0	mg/l	SM 2320B
Total Dissolved Solids	438		5	mg/l	SM18-22 2540C

Lab ID: SC60981-01RE01 **Client ID:** MW-8

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Sulfate	100		50	mg/l	EPA 300_ORGFM_28D

Lab ID: SC60981-02 **Client ID:** MW-16

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.51		0.05	mg/l	E300.0
Barium (dissolved)	0.0127		0.0100	mg/l	EPA 200.7
Calcium (dissolved)	75.6		0.500	mg/l	EPA 200.7
Manganese (dissolved)	0.0527	R06	0.0100	mg/l	EPA 200.7
Sodium (dissolved)	5.87		2.00	mg/l	EPA 200.7
Chloride	4.6		2.0	mg/l	EPA 300_ORGFM_28D
Sulfate	36		5.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	190		8.0	mg/l	SM 2320B
Total Dissolved Solids	368		5	mg/l	SM18-22 2540C
Aroclor-1248 [2C]	4.72		0.263	µg/l	SW846 8082A
Aroclor-1254 [2C]	3.93		0.263	µg/l	SW846 8082A
Tetrachloroethene	1.44		1.00	µg/l	SW846 8260C
Trichloroethene	10.4		1.00	µg/l	SW846 8260C

Lab ID: SC60981-03 **Client ID:** MW-18

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.10		0.05	mg/l	E300.0
Calcium (dissolved)	18.8		0.500	mg/l	EPA 200.7
Manganese (dissolved)	0.0113	R06	0.0100	mg/l	EPA 200.7
Sodium (dissolved)	2.04		2.00	mg/l	EPA 200.7
Total Alkalinity as CaCO3 to pH 4.5	63		8.0	mg/l	SM 2320B
Total Dissolved Solids	79		5	mg/l	SM18-22 2540C

Lab ID: SC60981-04 **Client ID:** MW-101D

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Calcium (dissolved)	26.2		0.500	mg/l	EPA 200.7
Sodium (dissolved)	3.24		2.00	mg/l	EPA 200.7
Sulfate	14		5.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	84		8.0	mg/l	SM 2320B
Total Dissolved Solids	113		5	mg/l	SM18-22 2540C

Lab ID: SC60981-05 **Client ID:** MW-103D

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.14		0.05	mg/l	E300.0
Calcium (dissolved)	26.9		0.500	mg/l	EPA 200.7
Manganese (dissolved)	0.0445	R06	0.0100	mg/l	EPA 200.7
Sodium (dissolved)	2.30		2.00	mg/l	EPA 200.7
Chloride	3.0		2.0	mg/l	EPA 300_ORGFM_28D
Sulfate	7.5		5.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	85		8.0	mg/l	SM 2320B
Total Dissolved Solids	251		5	mg/l	SM18-22 2540C

Lab ID: SC60981-06 **Client ID:** MW-104D

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.48		0.05	mg/l	E300.0
Calcium (dissolved)	34.5		0.500	mg/l	EPA 200.7
Iron (dissolved)	0.139		0.100	mg/l	EPA 200.7
Sodium (dissolved)	2.51		2.00	mg/l	EPA 200.7
Chloride	7.1		2.0	mg/l	EPA 300_ORGFM_28D
Sulfate	21		5.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	84		8.0	mg/l	SM 2320B
Total Dissolved Solids	154		5	mg/l	SM18-22 2540C
Trichloroethene	264	E	1.00	µg/l	SW846 8260C

Lab ID: SC60981-06RE1 **Client ID:** MW-104D

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Trichloroethene	174	D	10.0	µg/l	SW846 8260C

Lab ID: SC60981-07 **Client ID:** S-1

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.25		0.05	mg/l	E300.0
Calcium (dissolved)	30.0		0.500	mg/l	EPA 200.7
Manganese (dissolved)	0.0409	R06	0.0100	mg/l	EPA 200.7
Sodium (dissolved)	4.29		2.00	mg/l	EPA 200.7
Chloride	8.5		2.0	mg/l	EPA 300_ORGFM_28D
Sulfate	6.7		5.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	82		8.0	mg/l	SM 2320B
Total Dissolved Solids	107		5	mg/l	SM18-22 2540C

Lab ID: SC60981-08 **Client ID:** S-2

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Nitrate as Nitrogen	0.25		0.05	mg/l	E300.0
Calcium (dissolved)	29.8		0.500	mg/l	EPA 200.7
Manganese (dissolved)	0.0318	R06	0.0100	mg/l	EPA 200.7
Sodium (dissolved)	4.34		2.00	mg/l	EPA 200.7
Chloride	8.4		2.0	mg/l	EPA 300_ORGFM_28D
Sulfate	6.7		5.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	81		8.0	mg/l	SM 2320B
Total Dissolved Solids	109		5	mg/l	SM18-22 2540C

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-8	183TD20066	Ground Water	16-Mar-21 16:50	17-Mar-21
SC60981-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
67-64-1	Acetone	< 10.0		µg/l	10.0	0.90	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.48	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-8	183TD20066	Ground Water	16-Mar-21 16:50	17-Mar-21
SC60981-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.54	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.70	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.54	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.23	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.46	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.52	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0		µg/l	50.0	7.43	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00	0.81	1	"	"	"	"	"	X
64-17-5	Ethanol	< 200		µg/l	200	9.08	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**0.0**		µg/l			1	SW846 8260C TICs	"	"	DDP	"	
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-8	183TD20066	Ground Water	16-Mar-21 16:50	17-Mar-21
SC60981-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM Prepared by method SW846 3510C													
123-91-1	1,4-Dioxane	< 0.200		µg/l	0.200	0.113	1	SW846 8270D SIM	19-Mar-21	19-Mar-21	BJJ	2101024	
Surrogate recoveries:													
17647-74-4	*1,4-Dioxane-d-8 Surr*	*14*			*10-150 %*			"	"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods Prepared by method General Prep-Metal													
	Filtration	**Lab Filtered**	MF	N/A			1	EPA 200.7/3005A/6010	17-Mar-21 12:00		PN	2101075	
Soluble Metals by EPA 200 Series Methods													
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/EDT	2100984	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	X
7440-39-3	Barium	< 0.0100		mg/l	0.0100	0.0036	1	"	"	"	"	"	X
7440-70-2	Calcium	**87.0**		mg/l	0.500	0.0679	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	X
7439-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00030	R06	mg/l	0.00030	0.00010	1	EPA 245.1/7470A	23-Mar-21	23-Mar-21	edt	2100985	X
7439-96-5	Manganese	< 0.0100	R06	mg/l	0.0100	0.0006	1	EPA 200.7	18-Mar-21	22-Mar-21	EDT	2100984	X
7440-23-5	Sodium	**4.88**		mg/l	2.00	0.248	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	X
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Dissolved Solids	**438**		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	X
Subcontracted Analyses													
EPA 300_ORGFM_28D Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
16887-00-6	Chloride	**4.9**		mg/l	2.0	1.0	5	EPA 300_ORGFM_28D	22-Mar-21 22:44	22-Mar-21 22:44	M-PA009	105868	
Re-analysis of EPA 300_ORGFM_28D Prepared by method NONE													
14808-79-8	Sulfate	**100**		mg/l	50	15	50	EPA 300_ORGFM_28D	22-Mar-21 23:00	22-Mar-21 23:00	M-PA009	105868	
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Chemical Oxygen Demand	< 75		mg/l	75	25	1	MCAWW 410.4	19-Mar-21 08:12	19-Mar-21 08:12	M-PA009	105002	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Total Alkalinity as CaCO3 to pH 4.5	**170**	F1	mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 05:39	20-Mar-21 05:39	M-PA009	105768	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
57-12-5	Cyanide, Total	< 0.010		mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:19	M-PA009	105412	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-8 SC60981-01	183TD20066	Ground Water	16-Mar-21 16:50	17-Mar-21

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
14797-55-8	Nitrate as Nitrogen	**0.42**		mg/l	0.05	0.05	1	E300.0	17-Mar-21 22:29	17-Mar-21 22:29	M-CT007	567386A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-16	183TD20066	Ground Water	16-Mar-21 11:20	17-Mar-21
SC60981-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
67-64-1	Acetone	< 10.0		µg/l	10.0	0.90	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.48	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-16	183TD20066	Ground Water	16-Mar-21 11:20	17-Mar-21
SC60981-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.54	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**1.44**		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.70	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.54	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**10.4**		µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.23	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.46	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.52	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0		µg/l	50.0	7.43	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00	0.81	1	"	"	"	"	"	X
64-17-5	Ethanol	< 200		µg/l	200	9.08	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**0.0**		µg/l			1	SW846 8260C TICs	"	"	DDP	"	
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-16	183TD20066	Ground Water	16-Mar-21 11:20	17-Mar-21
SC60981-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM Prepared by method SW846 3510C													
123-91-1	1,4-Dioxane	< 0.200		µg/l	0.200	0.113	1	SW846 8270D SIM	19-Mar-21	19-Mar-21	BJJ	2101024	
Surrogate recoveries:													
17647-74-4	*1,4-Dioxane-d-8 Surr*	*40*			*10-150 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3510C													
12674-11-2	Aroclor-1016	< 0.263		µg/l	0.263	0.0379	1	SW846 8082A	22-Mar-21	23-Mar-21	JMS	2101030	X
11104-28-2	Aroclor-1221	< 0.263		µg/l	0.263	0.164	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 0.263		µg/l	0.263	0.116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 0.263		µg/l	0.263	0.0916	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248 [2C]	**4.72**		µg/l	0.263	0.105	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254 [2C]	**3.93**		µg/l	0.263	0.0937	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 0.263		µg/l	0.263	0.0937	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 0.263		µg/l	0.263	0.0400	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 0.263		µg/l	0.263	0.159	1	"	"	"	"	"	X
Surrogate recoveries:													
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*77*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*66*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*31*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*32*			*30-150 %*			"	"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods Prepared by method General Prep-Metal													
	Filtration	**Lab Filtered**	HT1,MF	N/A			1	EPA 200.7/3005A/6010	17-Mar-21 12:00		PN	2101075	
Soluble Metals by EPA 200 Series Methods													
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/EDT	2100984	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0127**		mg/l	0.0100	0.0036	1	"	"	"	"	"	X
7440-70-2	Calcium	**75.6**		mg/l	0.500	0.0679	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	X
7439-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00030	R06	mg/l	0.00030	0.00010	1	EPA 245.1/7470A	23-Mar-21	23-Mar-21	edt	2100985	X
7439-96-5	Manganese	**0.0527**	R06	mg/l	0.0100	0.0006	1	EPA 200.7	18-Mar-21	22-Mar-21	EDT	2100984	X
7440-23-5	Sodium	**5.87**		mg/l	2.00	0.248	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	X
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Dissolved Solids	**368**		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	X
Subcontracted Analyses													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-16	183TD20066	Ground Water	16-Mar-21 11:20	17-Mar-21
SC60981-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
EPA 300_ORGFM_28D													
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
16887-00-6	Chloride	**4.6**		mg/l	2.0	1.0	5	EPA 300_ORGFM_28D	23-Mar-21 17:51	23-Mar-21 17:51	M-PA009	106212	
14808-79-8	Sulfate	**36**		mg/l	5.0	1.5	5	"	"	"	"	"	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Chemical Oxygen Demand	< 190		mg/l	190	63	2.5	MCAWW 410.4	19-Mar-21 08:12	19-Mar-21 08:12	M-PA009	105002	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Total Alkalinity as CaCO3 to pH 4.5	**190**		mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 06:24	20-Mar-21 06:24	M-PA009	105768	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
57-12-5	Cyanide, Total	< 0.010		mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:20	M-PA009	105412	
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
14797-55-8	Nitrate as Nitrogen	**0.51**		mg/l	0.05	0.05	1	E300.0	17-Mar-21 22:33	17-Mar-21 22:33	M-CT007	567386A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-18	183TD20066	Ground Water	16-Mar-21 10:17	17-Mar-21
SC60981-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
67-64-1	Acetone	< 10.0		µg/l	10.0	0.90	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.48	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-18	183TD20066	Ground Water	16-Mar-21 10:17	17-Mar-21
SC60981-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.54	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.70	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.54	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.23	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.46	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.52	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0		µg/l	50.0	7.43	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00	0.81	1	"	"	"	"	"	X
64-17-5	Ethanol	< 200		µg/l	200	9.08	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**0.0**		µg/l			1	SW846 8260C TICs	"	"	DDP	"	
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-18	183TD20066	Ground Water	16-Mar-21 10:17	17-Mar-21
SC60981-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM Prepared by method SW846 3510C													
123-91-1	1,4-Dioxane	< 0.200		µg/l	0.200	0.113	1	SW846 8270D SIM	19-Mar-21	19-Mar-21	BJJ	2101024	
Surrogate recoveries:													
17647-74-4	*1,4-Dioxane-d-8 Surr*	*47*			*10-150 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3510C													
12674-11-2	Aroclor-1016	< 0.263		µg/l	0.263	0.0379	1	SW846 8082A	22-Mar-21	23-Mar-21	JMS	2101030	X
11104-28-2	Aroclor-1221	< 0.263		µg/l	0.263	0.164	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 0.263		µg/l	0.263	0.116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 0.263		µg/l	0.263	0.0916	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 0.263		µg/l	0.263	0.0737	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 0.263		µg/l	0.263	0.114	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 0.263		µg/l	0.263	0.0937	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 0.263		µg/l	0.263	0.0400	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 0.263		µg/l	0.263	0.159	1	"	"	"	"	"	X
Surrogate recoveries:													
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*73*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*64*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*40*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*42*			*30-150 %*			"	"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods Prepared by method General Prep-Metal													
	Filtration	**Lab Filtered**	HT1,MF	N/A			1	EPA 200.7/3005A/6010	17-Mar-21 12:00		PN	2101075	
Soluble Metals by EPA 200 Series Methods													
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/EDT	2100984	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	X
7440-39-3	Barium	< 0.0100		mg/l	0.0100	0.0036	1	"	"	"	"	"	X
7440-70-2	Calcium	**18.8**		mg/l	0.500	0.0679	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	X
7439-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00030	R06	mg/l	0.00030	0.00010	1	EPA 245.1/7470A	23-Mar-21	23-Mar-21	edt	2100985	X
7439-96-5	Manganese	**0.0113**	R06	mg/l	0.0100	0.0006	1	EPA 200.7	18-Mar-21	22-Mar-21	EDT	2100984	X
7440-23-5	Sodium	**2.04**		mg/l	2.00	0.248	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	X
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Dissolved Solids	**79**		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	X
Subcontracted Analyses													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-18	183TD20066	Ground Water	16-Mar-21 10:17	17-Mar-21
SC60981-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
EPA 300_ORGFM_28D													
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
16887-00-6	Chloride	< 2.0		mg/l	2.0	1.0	5	EPA 300_ORGFM_28D	23-Mar-21 15:08	23-Mar-21 15:08	M-PA009	106212	
14808-79-8	Sulfate	< 5.0		mg/l	5.0	1.5	5	"	"	"	"	"	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Chemical Oxygen Demand	< 380		mg/l	380	130	5	MCAWW 410.4	19-Mar-21 08:12	19-Mar-21 08:12	M-PA009	105002	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Total Alkalinity as CaCO3 to pH 4.5	**63**		mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 06:31	20-Mar-21 06:31	M-PA009	105768	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
57-12-5	Cyanide, Total	< 0.010		mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:22	M-PA009	105412	
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
14797-55-8	Nitrate as Nitrogen	**0.10**		mg/l	0.05	0.05	1	E300.0	17-Mar-21 22:38	17-Mar-21 22:38	M-CT007	567386A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101D	183TD20066	Ground Water	16-Mar-21 12:55	17-Mar-21
SC60981-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
67-64-1	Acetone	< 10.0		µg/l	10.0	0.90	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.48	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101D	183TD20066	Ground Water	16-Mar-21 12:55	17-Mar-21
SC60981-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.54	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.70	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.54	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.23	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.46	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.52	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0		µg/l	50.0	7.43	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00	0.81	1	"	"	"	"	"	X
64-17-5	Ethanol	< 200		µg/l	200	9.08	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**0.0**		µg/l			1	SW846 8260C TICs	"	"	DDP	"	
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101D	183TD20066	Ground Water	16-Mar-21 12:55	17-Mar-21
SC60981-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM Prepared by method SW846 3510C													
123-91-1	1,4-Dioxane	< 0.200		µg/l	0.200	0.113	1	SW846 8270D SIM	19-Mar-21	19-Mar-21	BJJ	2101024	
Surrogate recoveries:													
17647-74-4	*1,4-Dioxane-d-8 Surr*	*26*			*10-150 %*			"	"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods Prepared by method General Prep-Metal													
	Filtration	**Lab Filtered**	MF	N/A			1	EPA 200.7/3005A/6010	17-Mar-21 12:00		PN	2101075	
Soluble Metals by EPA 200 Series Methods													
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/EDT	2100984	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	X
7440-39-3	Barium	< 0.0100		mg/l	0.0100	0.0036	1	"	"	"	"	"	X
7440-70-2	Calcium	**26.2**		mg/l	0.500	0.0679	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	X
7439-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00030	R06	mg/l	0.00030	0.00010	1	EPA 245.1/7470A	23-Mar-21	23-Mar-21	edt	2100985	X
7439-96-5	Manganese	< 0.0100	R06	mg/l	0.0100	0.0006	1	EPA 200.7	18-Mar-21	22-Mar-21	EDT	2100984	X
7440-23-5	Sodium	**3.24**		mg/l	2.00	0.248	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	X
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Dissolved Solids	**113**		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	X
Subcontracted Analyses													
EPA 300_ORGFM_28D Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
16887-00-6	Chloride	< 2.0		mg/l	2.0	1.0	5	EPA 300_ORGFM_28D	23-Mar-21 17:15	23-Mar-21 17:15	M-PA009	106212	
14808-79-8	Sulfate	**14**		mg/l	5.0	1.5	5	"	"	"	"	"	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Chemical Oxygen Demand	< 75		mg/l	75	25	1	MCAWW 410.4	19-Mar-21 08:12	19-Mar-21 08:12	M-PA009	105002	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Total Alkalinity as CaCO3 to pH 4.5	**84**		mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 06:38	20-Mar-21 06:38	M-PA009	105768	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
57-12-5	Cyanide, Total	< 0.010		mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:23	M-PA009	105412	
Subcontracted Analyses Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-101D SC60981-04	183TD20066	Ground Water	16-Mar-21 12:55	17-Mar-21

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
14797-55-8	Nitrate as Nitrogen	< 0.05		mg/l	0.05	0.05	1	E300.0	17-Mar-21 23:12	17-Mar-21 23:12	M-CT007	567387A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-103D	183TD20066	Ground Water	16-Mar-21 09:10	17-Mar-21
SC60981-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
67-64-1	Acetone	< 10.0		µg/l	10.0	0.90	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.48	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-103D	183TD20066	Ground Water	16-Mar-21 09:10	17-Mar-21
SC60981-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.54	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.70	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.54	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.23	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.46	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.52	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0		µg/l	50.0	7.43	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00	0.81	1	"	"	"	"	"	X
64-17-5	Ethanol	< 200		µg/l	200	9.08	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**0.0**		µg/l			1	SW846 8260C TICs	"	"	DDP	"	
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-103D	183TD20066	Ground Water	16-Mar-21 09:10	17-Mar-21
SC60981-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM													
Prepared by method SW846 3510C													
123-91-1	1,4-Dioxane	< 0.200		µg/l	0.200	0.113	1	SW846 8270D SIM	19-Mar-21	19-Mar-21	BJJ	2101024	
Surrogate recoveries:													
17647-74-4	*1,4-Dioxane-d-8 Surr*	*39*			*10-150 %*			"	"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods													
Prepared by method General Prep-Metal													
	Filtration	**Lab Filtered**	HT1,MF	N/A			1	EPA 200.7/3005A/6010	17-Mar-21 12:00		PN	2101075	
Soluble Metals by EPA 200 Series Methods													
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/EDT	2100984	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	X
7440-39-3	Barium	< 0.0100		mg/l	0.0100	0.0036	1	"	"	"	"	"	X
7440-70-2	Calcium	**26.9**		mg/l	0.500	0.0679	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	X
7439-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00030	R06	mg/l	0.00030	0.00010	1	EPA 245.1/7470A	23-Mar-21	23-Mar-21	edt	2100985	X
7439-96-5	Manganese	**0.0445**	R06	mg/l	0.0100	0.0006	1	EPA 200.7	18-Mar-21	22-Mar-21	EDT	2100984	X
7440-23-5	Sodium	**2.30**		mg/l	2.00	0.248	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	X
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Dissolved Solids	**251**		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	X
Subcontracted Analyses													
EPA 300_ORGFM_28D													
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
16887-00-6	Chloride	**3.0**		mg/l	2.0	1.0	5	EPA 300_ORGFM_28D	23-Mar-21 15:45	23-Mar-21 15:45	M-PA009	106212	
14808-79-8	Sulfate	**7.5**		mg/l	5.0	1.5	5	"	"	"	"	"	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Chemical Oxygen Demand	< 190		mg/l	190	63	2.5	MCAWW 410.4	19-Mar-21 08:12	19-Mar-21 08:12	M-PA009	105002	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Total Alkalinity as CaCO3 to pH 4.5	**85**		mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 06:44	20-Mar-21 06:44	M-PA009	105768	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
57-12-5	Cyanide, Total	< 0.010		mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:25	M-PA009	105412	
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-103D SC60981-05	183TD20066	Ground Water	16-Mar-21 09:10	17-Mar-21

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
14797-55-8	Nitrate as Nitrogen	**0.14**		mg/l	0.05	0.05	1	E300.0	17-Mar-21 23:16	17-Mar-21 23:16	M-CT007	567387A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-104D	183TD20066	Ground Water	16-Mar-21 13:15	17-Mar-21
SC60981-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
67-64-1	Acetone	< 10.0		µg/l	10.0	0.90	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.48	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-104D	183TD20066	Ground Water	16-Mar-21 13:15	17-Mar-21
SC60981-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.54	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.70	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.54	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**264**	E	µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.23	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.46	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.52	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0		µg/l	50.0	7.43	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00	0.81	1	"	"	"	"	"	X
64-17-5	Ethanol	< 200		µg/l	200	9.08	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Re-analysis of Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 10.0	D	µg/l	10.0	2.02	10	SW846 8260C	23-Mar-21	23-Mar-21	DDP	2101042	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-104D	183TD20066	Ground Water	16-Mar-21 13:15	17-Mar-21
SC60981-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260													
67-64-1	Acetone	< 100	D	µg/l	100	9.02	10	SW846 8260C	23-Mar-21	23-Mar-21	DDP	2101042	X
107-13-1	Acrylonitrile	< 5.00	D	µg/l	5.00	3.56	10	"	"	"	"	"	X
71-43-2	Benzene	< 10.0	D	µg/l	10.0	2.50	10	"	"	"	"	"	X
108-86-1	Bromobenzene	< 10.0	D	µg/l	10.0	4.03	10	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 10.0	D	µg/l	10.0	3.91	10	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5.00	D	µg/l	5.00	3.34	10	"	"	"	"	"	X
75-25-2	Bromoform	< 10.0	D	µg/l	10.0	4.54	10	"	"	"	"	"	X
74-83-9	Bromomethane	< 20.0	D	µg/l	20.0	6.27	10	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 20.0	D	µg/l	20.0	5.77	10	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 10.0	D	µg/l	10.0	4.50	10	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 10.0	D	µg/l	10.0	4.01	10	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 10.0	D	µg/l	10.0	4.00	10	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 20.0	D	µg/l	20.0	4.38	10	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 10.0	D	µg/l	10.0	2.46	10	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 10.0	D	µg/l	10.0	4.17	10	"	"	"	"	"	X
75-00-3	Chloroethane	< 20.0	D	µg/l	20.0	4.02	10	"	"	"	"	"	X
67-66-3	Chloroform	< 10.0	D	µg/l	10.0	2.97	10	"	"	"	"	"	X
74-87-3	Chloromethane	< 20.0	D	µg/l	20.0	4.85	10	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 10.0	D	µg/l	10.0	4.29	10	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 10.0	D	µg/l	10.0	4.16	10	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 20.0	D	µg/l	20.0	5.11	10	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5.00	D	µg/l	5.00	3.29	10	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5.00	D	µg/l	5.00	3.39	10	"	"	"	"	"	X
74-95-3	Dibromomethane	< 10.0	D	µg/l	10.0	3.64	10	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 10.0	D	µg/l	10.0	4.80	10	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 10.0	D	µg/l	10.0	5.00	10	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 10.0	D	µg/l	10.0	4.87	10	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 20.0	D	µg/l	20.0	3.89	10	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 10.0	D	µg/l	10.0	3.62	10	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 10.0	D	µg/l	10.0	2.60	10	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 10.0	D	µg/l	10.0	3.44	10	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 10.0	D	µg/l	10.0	2.97	10	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 10.0	D	µg/l	10.0	1.88	10	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 10.0	D	µg/l	10.0	3.57	10	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 10.0	D	µg/l	10.0	3.20	10	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 10.0	D	µg/l	10.0	4.88	10	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 10.0	D	µg/l	10.0	2.86	10	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5.00	D	µg/l	5.00	3.00	10	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5.00	D	µg/l	5.00	3.70	10	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 10.0	D	µg/l	10.0	3.63	10	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 10.0	D	µg/l	10.0	2.36	10	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 20.0	D	µg/l	20.0	6.87	10	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 10.0	D	µg/l	10.0	3.76	10	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-104D	183TD20066	Ground Water	16-Mar-21 13:15	17-Mar-21
SC60981-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260													
99-87-6	4-Isopropyltoluene	< 10.0	D	µg/l	10.0	4.29	10	SW846 8260C	23-Mar-21	23-Mar-21	DDP	2101042	X
1634-04-4	Methyl tert-butyl ether	< 10.0	D	µg/l	10.0	2.63	10	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 20.0	D	µg/l	20.0	3.48	10	"	"	"	"	"	X
75-09-2	Methylene chloride	< 20.0	D	µg/l	20.0	5.35	10	"	"	"	"	"	X
91-20-3	Naphthalene	< 20.0	D	µg/l	20.0	6.96	10	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 10.0	D	µg/l	10.0	3.59	10	"	"	"	"	"	X
100-42-5	Styrene	< 10.0	D	µg/l	10.0	4.19	10	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 10.0	D	µg/l	10.0	3.69	10	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5.00	D	µg/l	5.00	4.57	10	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 10.0	D	µg/l	10.0	3.64	10	"	"	"	"	"	X
108-88-3	Toluene	< 10.0	D	µg/l	10.0	2.83	10	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 10.0	D	µg/l	10.0	7.42	10	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 10.0	D	µg/l	10.0	6.95	10	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 10.0	D	µg/l	10.0	5.36	10	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 10.0	D	µg/l	10.0	3.30	10	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 10.0	D	µg/l	10.0	3.50	10	"	"	"	"	"	X
79-01-6	Trichloroethene	**174**	D	µg/l	10.0	3.64	10	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 10.0	D	µg/l	10.0	2.28	10	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 10.0	D	µg/l	10.0	5.13	10	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 10.0	D	µg/l	10.0	4.62	10	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 10.0	D	µg/l	10.0	4.46	10	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 10.0	D	µg/l	10.0	2.56	10	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 20.0	D	µg/l	20.0	7.79	10	"	"	"	"	"	X
95-47-6	o-Xylene	< 10.0	D	µg/l	10.0	4.28	10	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 20.0	D	µg/l	20.0	7.04	10	"	"	"	"	"	
60-29-7	Ethyl ether	< 10.0	D	µg/l	10.0	4.21	10	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 10.0	D	µg/l	10.0	2.60	10	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 10.0	D	µg/l	10.0	2.93	10	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 10.0	D	µg/l	10.0	2.60	10	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 100	D	µg/l	100	85.2	10	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 500	D	µg/l	500	74.3	10	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 50.0	D	µg/l	50.0	8.06	10	"	"	"	"	"	X
64-17-5	Ethanol	< 2000	D	µg/l	2000	90.8	10	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**0.0**		µg/l			1	SW846 8260C TICs	19-Mar-21	19-Mar-21	DDP	2101020	
Semivolatile Organic Compounds by GCMS													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-104D SC60981-06	183TD20066	Ground Water	16-Mar-21 13:15	17-Mar-21

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM Prepared by method SW846 3510C													
123-91-1	1,4-Dioxane	< 0.200		µg/l	0.200	0.113	1	SW846 8270D SIM	19-Mar-21	19-Mar-21	BJJ	2101024	
Surrogate recoveries:													
17647-74-4	*1,4-Dioxane-d-8 Surr*	*33*			*10-150 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3510C													
12674-11-2	Aroclor-1016	< 0.263		µg/l	0.263	0.0379	1	SW846 8082A	22-Mar-21	23-Mar-21	JMS	2101030	X
11104-28-2	Aroclor-1221	< 0.263		µg/l	0.263	0.164	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 0.263		µg/l	0.263	0.116	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 0.263		µg/l	0.263	0.0916	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 0.263		µg/l	0.263	0.0737	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 0.263		µg/l	0.263	0.114	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 0.263		µg/l	0.263	0.0937	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 0.263		µg/l	0.263	0.0400	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 0.263		µg/l	0.263	0.159	1	"	"	"	"	"	X
Surrogate recoveries:													
877-09-8	*2,4,5,6-TC-M-Xylene (IS)*	*66*			*30-150 %*			"	"	"	"	"	
877-09-8	*2,4,5,6-TC-M-Xylene (IS) [2C]*	*58*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*32*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*36*			*30-150 %*			"	"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods Prepared by method General Prep-Metal													
	Filtration	**Lab Filtered**	MF	N/A			1	EPA 200.7/3005A/6010	17-Mar-21 12:00		PN	2101075	
Soluble Metals by EPA 200 Series Methods													
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/EDT	2100984	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	X
7440-39-3	Barium	< 0.0100		mg/l	0.0100	0.0036	1	"	"	"	"	"	X
7440-70-2	Calcium	**34.5**		mg/l	0.500	0.0679	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	X
7439-89-6	Iron	**0.139**		mg/l	0.100	0.0201	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00030	R06	mg/l	0.00030	0.00010	1	EPA 245.1/7470A	23-Mar-21	25-Mar-21	edt	2100985	X
7439-96-5	Manganese	< 0.0100	R06	mg/l	0.0100	0.0006	1	EPA 200.7	18-Mar-21	22-Mar-21	EDT	2100984	X
7440-23-5	Sodium	**2.51**		mg/l	2.00	0.248	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	X
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Dissolved Solids	**154**		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	X
Subcontracted Analyses													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-104D SC60981-06	183TD20066	Ground Water	16-Mar-21 13:15	17-Mar-21

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
EPA 300_ORGFM_28D													
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
16887-00-6	Chloride	**7.1**		mg/l	2.0	1.0	5	EPA 300_ORGFM_28D	23-Mar-21 18:27	23-Mar-21 18:27	M-PA009	106212	
14808-79-8	Sulfate	**21**		mg/l	5.0	1.5	5	"	"	"	"	"	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Chemical Oxygen Demand	< 75		mg/l	75	25	1	MCAWW 410.4	19-Mar-21 08:12	19-Mar-21 08:12	M-PA009	105002	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Total Alkalinity as CaCO3 to pH 4.5	**84**		mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 06:51	20-Mar-21 06:51	M-PA009	105768	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
57-12-5	Cyanide, Total	< 0.010		mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:06	M-PA009	105412	
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
14797-55-8	Nitrate as Nitrogen	**0.48**		mg/l	0.05	0.05	1	E300.0	17-Mar-21 23:21	17-Mar-21 23:21	M-CT007	567387A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-1	183TD20066	Surface Water	16-Mar-21 11:20	17-Mar-21
SC60981-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
67-64-1	Acetone	< 10.0		µg/l	10.0	0.90	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.48	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-1	183TD20066	Surface Water	16-Mar-21 11:20	17-Mar-21
SC60981-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.54	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.70	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.54	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.23	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.46	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.52	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0		µg/l	50.0	7.43	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00	0.81	1	"	"	"	"	"	X
64-17-5	Ethanol	< 200		µg/l	200	9.08	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**0.0**		µg/l			1	SW846 8260C TICs	"	"	DDP	"	
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-1	183TD20066	Surface Water	16-Mar-21 11:20	17-Mar-21
SC60981-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM													
Prepared by method SW846 3510C													
123-91-1	1,4-Dioxane	< 0.200		µg/l	0.200	0.113	1	SW846 8270D SIM	19-Mar-21	19-Mar-21	BJJ	2101024	
Surrogate recoveries:													
17647-74-4	*1,4-Dioxane-d-8 Surr*	*37*			*10-150 %*			"	"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods													
Prepared by method General Prep-Metal													
	Filtration	**Lab Filtered**	HT1,MF	N/A			1	EPA 200.7/3005A/6010	17-Mar-21 12:00		PN	2101075	
Soluble Metals by EPA 200 Series Methods													
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/EDT	2100984	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	X
7440-39-3	Barium	< 0.0100		mg/l	0.0100	0.0036	1	"	"	"	"	"	X
7440-70-2	Calcium	**30.0**		mg/l	0.500	0.0679	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	X
7439-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00030	R06	mg/l	0.00030	0.00010	1	EPA 245.1/7470A	23-Mar-21	25-Mar-21	edt	2100985	X
7439-96-5	Manganese	**0.0409**	R06	mg/l	0.0100	0.0006	1	EPA 200.7	18-Mar-21	22-Mar-21	EDT	2100984	X
7440-23-5	Sodium	**4.29**		mg/l	2.00	0.248	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	X
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Dissolved Solids	**107**		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	X
Subcontracted Analyses													
EPA 300_ORGFM_28D													
Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
16887-00-6	Chloride	**8.5**		mg/l	2.0	1.0	5	EPA 300_ORGFM_28D	23-Mar-21 14:14	23-Mar-21 14:14	M-PA009	106212	
14808-79-8	Sulfate	**6.7**		mg/l	5.0	1.5	5	"	"	"	"	"	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Chemical Oxygen Demand	< 75		mg/l	75	25	1	MCAWW 410.4	19-Mar-21 08:12	19-Mar-21 08:12	M-PA009	105002	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Total Alkalinity as CaCO3 to pH 4.5	**82**		mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 06:57	20-Mar-21 06:57	M-PA009	105768	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
57-12-5	Cyanide, Total	< 0.010		mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:26	M-PA009	105412	
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-1 SC60981-07	183TD20066	Surface Water	16-Mar-21 11:20	17-Mar-21

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
14797-55-8	Nitrate as Nitrogen	**0.25**		mg/l	0.05	0.05	1	E300.0	17-Mar-21 23:25	17-Mar-21 23:25	M-CT007	567387A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-2	183TD20066	Surface Water	16-Mar-21 11:00	17-Mar-21
SC60981-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
67-64-1	Acetone	< 10.0		µg/l	10.0	0.90	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.48	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-2	183TD20066	Surface Water	16-Mar-21 11:00	17-Mar-21
SC60981-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.54	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.70	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.54	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.23	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.46	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.52	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0		µg/l	50.0	7.43	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00	0.81	1	"	"	"	"	"	X
64-17-5	Ethanol	< 200		µg/l	200	9.08	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**0.0**		µg/l			1	SW846 8260C TICs	"	"	DDP	"	
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM													

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-2	183TD20066	Surface Water	16-Mar-21 11:00	17-Mar-21
SC60981-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
1,4-Dioxane by 8270 SIM Prepared by method SW846 3510C													
123-91-1	1,4-Dioxane	< 0.200		µg/l	0.200	0.113	1	SW846 8270D SIM	19-Mar-21	19-Mar-21	BJJ	2101024	
Surrogate recoveries:													
17647-74-4	*1,4-Dioxane-d-8 Surr*	*41*			*10-150 %*			"	"	"	"	"	
Soluble Metals by EPA 200/6000 Series Methods Prepared by method General Prep-Metal													
	Filtration	**Lab Filtered**	HT1,MF	N/A			1	EPA 200.7/3005A/6010	17-Mar-21 12:00		PN	2101075	
Soluble Metals by EPA 200 Series Methods													
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/EDT	2100984	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	X
7440-39-3	Barium	< 0.0100		mg/l	0.0100	0.0036	1	"	"	"	"	"	X
7440-70-2	Calcium	**29.8**		mg/l	0.500	0.0679	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	X
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	X
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	X
7439-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00030	R06	mg/l	0.00030	0.00010	1	EPA 245.1/7470A	23-Mar-21	23-Mar-21	edt	2100985	X
7439-96-5	Manganese	**0.0318**	R06	mg/l	0.0100	0.0006	1	EPA 200.7	18-Mar-21	22-Mar-21	EDT	2100984	X
7440-23-5	Sodium	**4.34**		mg/l	2.00	0.248	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	X
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"	"	X
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	X
General Chemistry Parameters													
	Total Dissolved Solids	**109**		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	X
Subcontracted Analyses													
EPA 300_ORGFM_28D Prepared by method NONE													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
16887-00-6	Chloride	**8.4**		mg/l	2.0	1.0	5	EPA 300_ORGFM_28D	23-Mar-21 16:03	23-Mar-21 16:03	M-PA009	106212	
14808-79-8	Sulfate	**6.7**		mg/l	5.0	1.5	5	"	"	"	"	"	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Chemical Oxygen Demand	< 75		mg/l	75	25	1	MCAWW 410.4	19-Mar-21 08:12	19-Mar-21 08:12	M-PA009	105002	
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
	Total Alkalinity as CaCO3 to pH 4.5	**81**		mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 07:16	20-Mar-21 07:16	M-PA009	105768	
Prepared by method METHOD													
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009													
57-12-5	Cyanide, Total	< 0.010		mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:30	M-PA009	105412	
Subcontracted Analyses Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
S-2 SC60981-08	183TD20066	Surface Water	16-Mar-21 11:00	17-Mar-21

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Prepared by method E300.0													
*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*													
14797-55-8	Nitrate as Nitrogen	**0.25**		mg/l	0.05	0.05	1	E300.0	17-Mar-21 23:30	17-Mar-21 23:30	M-CT007	567387A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip	183TD20066	Trip Blank	16-Mar-21 00:00	17-Mar-21
SC60981-09				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
67-64-1	Acetone	< 10.0		µg/l	10.0	0.90	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.48	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.34	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.69	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip	183TD20066	Trip Blank	16-Mar-21 00:00	17-Mar-21
SC60981-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	X
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.54	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.70	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.54	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.23	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.46	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.45	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	0.70	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	X
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.26	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.52	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0		µg/l	50.0	7.43	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00	0.81	1	"	"	"	"	"	X
64-17-5	Ethanol	< 200		µg/l	200	9.08	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
	Tentatively Identified Compounds	**0.0**		µg/l			1	SW846 8260C TICs	"	"	DDP	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2101020 - SW846 5030 Water MS										
Blank (2101020-BLK1)					Prepared & Analyzed: 19-Mar-21					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 2.00		µg/l	2.00						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 1.00		µg/l	1.00						
2-Hexanone (MBK)	< 2.00		µg/l	2.00						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 2.00		µg/l	2.00						
n-Propylbenzene	< 1.00		µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2101020 - SW846 5030 Water MS										
Blank (2101020-BLK1)					Prepared & Analyzed: 19-Mar-21					
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 50.0		µg/l	50.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 200		µg/l	200						
Surrogate: 4-Bromofluorobenzene	*46.8*		µg/l		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*49.1*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.2*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*51.2*		µg/l		*50.0*		*102*	*70-130*		
LCS (2101020-BS1)					Prepared & Analyzed: 19-Mar-21					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**22.7**		µg/l		20.0		114	70-130		
Acetone	**21.0**		µg/l		20.0		105	70-130		
Acrylonitrile	**23.7**		µg/l		20.0		118	70-130		
Benzene	**21.2**		µg/l		20.0		106	70-130		
Bromobenzene	**21.6**		µg/l		20.0		108	70-130		
Bromochloromethane	**21.4**		µg/l		20.0		107	70-130		
Bromodichloromethane	**21.5**		µg/l		20.0		108	70-130		
Bromoform	**23.9**		µg/l		20.0		120	70-130		
Bromomethane	**19.0**		µg/l		20.0		95	70-130		
2-Butanone (MEK)	**21.5**		µg/l		20.0		108	70-130		
n-Butylbenzene	**21.2**		µg/l		20.0		106	70-130		
sec-Butylbenzene	**21.3**		µg/l		20.0		106	70-130		
tert-Butylbenzene	**20.8**		µg/l		20.0		104	70-130		
Carbon disulfide	**21.9**		µg/l		20.0		109	70-130		
Carbon tetrachloride	**21.8**		µg/l		20.0		109	70-130		
Chlorobenzene	**20.6**		µg/l		20.0		103	70-130		
Chloroethane	**17.0**		µg/l		20.0		85	70-130		
Chloroform	**20.5**		µg/l		20.0		103	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2101020 - SW846 5030 Water MS										
LCS (2101020-BS1)						Prepared & Analyzed: 19-Mar-21				
Chloromethane	**21.1**		µg/l		20.0		106	70-130		
2-Chlorotoluene	**23.2**		µg/l		20.0		116	70-130		
4-Chlorotoluene	**20.9**		µg/l		20.0		104	70-130		
1,2-Dibromo-3-chloropropane	**23.0**		µg/l		20.0		115	70-130		
Dibromochloromethane	**21.8**		µg/l		20.0		109	70-130		
1,2-Dibromoethane (EDB)	**21.8**		µg/l		20.0		109	70-130		
Dibromomethane	**19.6**		µg/l		20.0		98	70-130		
1,2-Dichlorobenzene	**22.3**		µg/l		20.0		112	70-130		
1,3-Dichlorobenzene	**23.2**		µg/l		20.0		116	70-130		
1,4-Dichlorobenzene	**22.2**		µg/l		20.0		111	70-130		
Dichlorodifluoromethane (Freon12)	**23.3**		µg/l		20.0		117	70-130		
1,1-Dichloroethane	**21.4**		µg/l		20.0		107	70-130		
1,2-Dichloroethane	**20.9**		µg/l		20.0		105	70-130		
1,1-Dichloroethene	**22.2**		µg/l		20.0		111	70-130		
cis-1,2-Dichloroethene	**20.2**		µg/l		20.0		101	70-130		
trans-1,2-Dichloroethene	**19.9**		µg/l		20.0		100	70-130		
1,2-Dichloropropane	**20.8**		µg/l		20.0		104	70-130		
1,3-Dichloropropane	**21.6**		µg/l		20.0		108	70-130		
2,2-Dichloropropane	**22.3**		µg/l		20.0		112	70-130		
1,1-Dichloropropene	**22.2**		µg/l		20.0		111	70-130		
cis-1,3-Dichloropropene	**20.5**		µg/l		20.0		103	70-130		
trans-1,3-Dichloropropene	**22.5**		µg/l		20.0		112	70-130		
Ethylbenzene	**21.2**		µg/l		20.0		106	70-130		
Hexachlorobutadiene	**22.6**		µg/l		20.0		113	70-130		
2-Hexanone (MBK)	**16.9**		µg/l		20.0		84	70-130		
Isopropylbenzene	**20.2**		µg/l		20.0		101	70-130		
4-Isopropyltoluene	**20.5**		µg/l		20.0		102	70-130		
Methyl tert-butyl ether	**22.2**		µg/l		20.0		111	70-130		
4-Methyl-2-pentanone (MIBK)	**21.4**		µg/l		20.0		107	70-130		
Methylene chloride	**18.6**		µg/l		20.0		93	70-130		
Naphthalene	**22.5**		µg/l		20.0		113	70-130		
n-Propylbenzene	**23.2**		µg/l		20.0		116	70-130		
Styrene	**21.1**		µg/l		20.0		105	70-130		
1,1,1,2-Tetrachloroethane	**21.2**		µg/l		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	**21.8**		µg/l		20.0		109	70-130		
Tetrachloroethene	**20.6**		µg/l		20.0		103	70-130		
Toluene	**20.0**		µg/l		20.0		100	70-130		
1,2,3-Trichlorobenzene	**23.9**		µg/l		20.0		120	70-130		
1,2,4-Trichlorobenzene	**19.7**		µg/l		20.0		98	70-130		
1,3,5-Trichlorobenzene	**22.4**		µg/l		20.0		112	70-130		
1,1,1-Trichloroethane	**21.8**		µg/l		20.0		109	70-130		
1,1,2-Trichloroethane	**21.4**		µg/l		20.0		107	70-130		
Trichloroethene	**21.0**		µg/l		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	**22.2**		µg/l		20.0		111	70-130		
1,2,3-Trichloropropane	**21.8**		µg/l		20.0		109	70-130		
1,2,4-Trimethylbenzene	**21.5**		µg/l		20.0		108	70-130		
1,3,5-Trimethylbenzene	**21.2**		µg/l		20.0		106	70-130		
Vinyl chloride	**22.6**		µg/l		20.0		113	70-130		
m,p-Xylene	**21.8**		µg/l		20.0		109	70-130		
o-Xylene	**20.3**		µg/l		20.0		102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2101020 - SW846 5030 Water MS										
LCS (2101020-BS1)					Prepared & Analyzed: 19-Mar-21					
Tetrahydrofuran	**21.1**		µg/l		20.0		105	70-130		
Ethyl ether	**23.1**		µg/l		20.0		115	70-130		
Tert-amyl methyl ether	**21.4**		µg/l		20.0		107	70-130		
Ethyl tert-butyl ether	**21.1**		µg/l		20.0		106	70-130		
Di-isopropyl ether	**23.4**		µg/l		20.0		117	70-130		
Tert-Butanol / butyl alcohol	**224**		µg/l		200		112	70-130		
1,4-Dioxane	**179**		µg/l		200		90	70-130		
trans-1,4-Dichloro-2-butene	**23.3**		µg/l		20.0		116	70-130		
Ethanol	**445**		µg/l		400		111	70-130		
Surrogate: 4-Bromofluorobenzene	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*48.3*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.4*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*51.2*		µg/l		*50.0*		*102*	*70-130*		
LCS Dup (2101020-BSD1)					Prepared & Analyzed: 19-Mar-21					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**22.0**		µg/l		20.0		110	70-130	3	20
Acetone	**19.0**		µg/l		20.0		95	70-130	10	20
Acrylonitrile	**22.7**		µg/l		20.0		113	70-130	4	20
Benzene	**21.3**		µg/l		20.0		107	70-130	0.5	20
Bromobenzene	**21.1**		µg/l		20.0		106	70-130	2	20
Bromochloromethane	**21.2**		µg/l		20.0		106	70-130	1	20
Bromodichloromethane	**21.2**		µg/l		20.0		106	70-130	2	20
Bromoform	**24.0**		µg/l		20.0		120	70-130	0.04	20
Bromomethane	**19.0**		µg/l		20.0		95	70-130	0.1	20
2-Butanone (MEK)	**20.2**		µg/l		20.0		101	70-130	6	20
n-Butylbenzene	**21.6**		µg/l		20.0		108	70-130	2	20
sec-Butylbenzene	**21.5**		µg/l		20.0		107	70-130	0.7	20
tert-Butylbenzene	**20.8**		µg/l		20.0		104	70-130	0.05	20
Carbon disulfide	**22.0**		µg/l		20.0		110	70-130	0.7	20
Carbon tetrachloride	**22.1**		µg/l		20.0		110	70-130	1	20
Chlorobenzene	**20.6**		µg/l		20.0		103	70-130	0.1	20
Chloroethane	**19.4**		µg/l		20.0		97	70-130	13	20
Chloroform	**21.0**		µg/l		20.0		105	70-130	2	20
Chloromethane	**21.7**		µg/l		20.0		108	70-130	3	20
2-Chlorotoluene	**23.6**		µg/l		20.0		118	70-130	2	20
4-Chlorotoluene	**20.9**		µg/l		20.0		105	70-130	0.2	20
1,2-Dibromo-3-chloropropane	**22.6**		µg/l		20.0		113	70-130	2	20
Dibromochloromethane	**21.8**		µg/l		20.0		109	70-130	0.3	20
1,2-Dibromoethane (EDB)	**22.6**		µg/l		20.0		113	70-130	4	20
Dibromomethane	**19.2**		µg/l		20.0		96	70-130	2	20
1,2-Dichlorobenzene	**22.3**		µg/l		20.0		112	70-130	0.04	20
1,3-Dichlorobenzene	**23.2**		µg/l		20.0		116	70-130	0.04	20
1,4-Dichlorobenzene	**21.9**		µg/l		20.0		110	70-130	1	20
Dichlorodifluoromethane (Freon12)	**25.7**		µg/l		20.0		128	70-130	10	20
1,1-Dichloroethane	**21.8**		µg/l		20.0		109	70-130	2	20
1,2-Dichloroethane	**20.8**		µg/l		20.0		104	70-130	0.8	20
1,1-Dichloroethene	**21.9**		µg/l		20.0		110	70-130	1	20
cis-1,2-Dichloroethene	**21.4**		µg/l		20.0		107	70-130	6	20
trans-1,2-Dichloroethene	**20.0**		µg/l		20.0		100	70-130	0.3	20
1,2-Dichloropropane	**20.5**		µg/l		20.0		102	70-130	1	20
1,3-Dichloropropane	**21.5**		µg/l		20.0		108	70-130	0.2	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2101020 - SW846 5030 Water MS										
LCS Dup (2101020-BSD1)					Prepared & Analyzed: 19-Mar-21					
2,2-Dichloropropane	**22.4**		µg/l		20.0		112	70-130	0.3	20
1,1-Dichloropropene	**22.1**		µg/l		20.0		110	70-130	0.4	20
cis-1,3-Dichloropropene	**21.2**		µg/l		20.0		106	70-130	3	20
trans-1,3-Dichloropropene	**22.9**		µg/l		20.0		115	70-130	2	20
Ethylbenzene	**22.2**		µg/l		20.0		111	70-130	4	20
Hexachlorobutadiene	**23.4**		µg/l		20.0		117	70-130	3	20
2-Hexanone (MBK)	**16.0**		µg/l		20.0		80	70-130	6	20
Isopropylbenzene	**20.6**		µg/l		20.0		103	70-130	2	20
4-Isopropyltoluene	**20.5**		µg/l		20.0		103	70-130	0.3	20
Methyl tert-butyl ether	**21.7**		µg/l		20.0		109	70-130	2	20
4-Methyl-2-pentanone (MIBK)	**20.3**		µg/l		20.0		101	70-130	5	20
Methylene chloride	**19.1**		µg/l		20.0		96	70-130	3	20
Naphthalene	**21.9**		µg/l		20.0		110	70-130	3	20
n-Propylbenzene	**23.4**		µg/l		20.0		117	70-130	0.7	20
Styrene	**21.4**		µg/l		20.0		107	70-130	2	20
1,1,1,2-Tetrachloroethane	**20.7**		µg/l		20.0		104	70-130	3	20
1,1,2,2-Tetrachloroethane	**21.8**		µg/l		20.0		109	70-130	0.1	20
Tetrachloroethene	**20.1**		µg/l		20.0		101	70-130	3	20
Toluene	**19.9**		µg/l		20.0		100	70-130	0.3	20
1,2,3-Trichlorobenzene	**23.3**		µg/l		20.0		116	70-130	3	20
1,2,4-Trichlorobenzene	**19.0**		µg/l		20.0		95	70-130	4	20
1,3,5-Trichlorobenzene	**22.4**		µg/l		20.0		112	70-130	0.2	20
1,1,1-Trichloroethane	**21.4**		µg/l		20.0		107	70-130	2	20
1,1,2-Trichloroethane	**21.0**		µg/l		20.0		105	70-130	2	20
Trichloroethene	**20.4**		µg/l		20.0		102	70-130	3	20
Trichlorofluoromethane (Freon 11)	**21.7**		µg/l		20.0		108	70-130	2	20
1,2,3-Trichloropropane	**21.4**		µg/l		20.0		107	70-130	2	20
1,2,4-Trimethylbenzene	**21.3**		µg/l		20.0		106	70-130	1	20
1,3,5-Trimethylbenzene	**21.5**		µg/l		20.0		107	70-130	1	20
Vinyl chloride	**22.1**		µg/l		20.0		111	70-130	2	20
m,p-Xylene	**22.5**		µg/l		20.0		113	70-130	3	20
o-Xylene	**21.3**		µg/l		20.0		106	70-130	5	20
Tetrahydrofuran	**20.7**		µg/l		20.0		104	70-130	2	20
Ethyl ether	**23.1**		µg/l		20.0		116	70-130	0.1	20
Tert-amyl methyl ether	**21.0**		µg/l		20.0		105	70-130	2	20
Ethyl tert-butyl ether	**21.5**		µg/l		20.0		107	70-130	2	20
Di-isopropyl ether	**23.6**		µg/l		20.0		118	70-130	0.7	20
Tert-Butanol / butyl alcohol	**214**		µg/l		200		107	70-130	4	20
1,4-Dioxane	**174**		µg/l		200		87	70-130	3	20
trans-1,4-Dichloro-2-butene	**21.4**		µg/l		20.0		107	70-130	8	20
Ethanol	**481**		µg/l		400		120	70-130	8	20
Surrogate: 4-Bromofluorobenzene	*49.8*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*47.7*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.7*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Batch 2101042 - SW846 5030 Water MS										
Blank (2101042-BLK1)					Prepared & Analyzed: 23-Mar-21					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2101042 - SW846 5030 Water MS										
Blank (2101042-BLK1)					Prepared & Analyzed: 23-Mar-21					
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 2.00		µg/l	2.00						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 1.00		µg/l	1.00						
2-Hexanone (MBK)	< 2.00		µg/l	2.00						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 2.00		µg/l	2.00						
n-Propylbenzene	< 1.00		µg/l	1.00						
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2101042 - SW846 5030 Water MS										
Blank (2101042-BLK1)					Prepared & Analyzed: 23-Mar-21					
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 50.0		µg/l	50.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 200		µg/l	200						
Surrogate: 4-Bromofluorobenzene	*47.7*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*49.3*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.2*		µg/l		*50.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*51.6*		µg/l		*50.0*		*103*	*70-130*		
LCS (2101042-BS1)					Prepared & Analyzed: 23-Mar-21					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**24.0**		µg/l		20.0		120	70-130		
Acetone	**16.6**		µg/l		20.0		83	70-130		
Acrylonitrile	**24.1**		µg/l		20.0		121	70-130		
Benzene	**22.0**		µg/l		20.0		110	70-130		
Bromobenzene	**22.5**		µg/l		20.0		113	70-130		
Bromochloromethane	**22.9**		µg/l		20.0		115	70-130		
Bromodichloromethane	**22.7**		µg/l		20.0		113	70-130		
Bromoform	**25.5**		µg/l		20.0		127	70-130		
Bromomethane	**21.0**		µg/l		20.0		105	70-130		
2-Butanone (MEK)	**18.2**		µg/l		20.0		91	70-130		
n-Butylbenzene	**21.8**		µg/l		20.0		109	70-130		
sec-Butylbenzene	**22.0**		µg/l		20.0		110	70-130		
tert-Butylbenzene	**21.9**		µg/l		20.0		110	70-130		
Carbon disulfide	**23.5**		µg/l		20.0		117	70-130		
Carbon tetrachloride	**24.0**		µg/l		20.0		120	70-130		
Chlorobenzene	**21.2**		µg/l		20.0		106	70-130		
Chloroethane	**16.4**		µg/l		20.0		82	70-130		
Chloroform	**21.8**		µg/l		20.0		109	70-130		
Chloromethane	**21.7**		µg/l		20.0		109	70-130		
2-Chlorotoluene	**24.4**		µg/l		20.0		122	70-130		
4-Chlorotoluene	**21.7**		µg/l		20.0		109	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2101042 - SW846 5030 Water MS										
LCS (2101042-BS1)					Prepared & Analyzed: 23-Mar-21					
1,2-Dibromo-3-chloropropane	**24.0**		µg/l		20.0		120	70-130		
Dibromochloromethane	**22.7**		µg/l		20.0		114	70-130		
1,2-Dibromoethane (EDB)	**22.7**		µg/l		20.0		113	70-130		
Dibromomethane	**20.6**		µg/l		20.0		103	70-130		
1,2-Dichlorobenzene	**23.1**		µg/l		20.0		115	70-130		
1,3-Dichlorobenzene	**23.8**		µg/l		20.0		119	70-130		
1,4-Dichlorobenzene	**22.1**		µg/l		20.0		110	70-130		
Dichlorodifluoromethane (Freon12)	**21.7**		µg/l		20.0		109	70-130		
1,1-Dichloroethane	**22.6**		µg/l		20.0		113	70-130		
1,2-Dichloroethane	**22.3**		µg/l		20.0		112	70-130		
1,1-Dichloroethene	**23.4**		µg/l		20.0		117	70-130		
cis-1,2-Dichloroethene	**21.4**		µg/l		20.0		107	70-130		
trans-1,2-Dichloroethene	**21.0**		µg/l		20.0		105	70-130		
1,2-Dichloropropane	**22.4**		µg/l		20.0		112	70-130		
1,3-Dichloropropane	**22.6**		µg/l		20.0		113	70-130		
2,2-Dichloropropane	**24.2**		µg/l		20.0		121	70-130		
1,1-Dichloropropene	**23.6**		µg/l		20.0		118	70-130		
cis-1,3-Dichloropropene	**22.0**		µg/l		20.0		110	70-130		
trans-1,3-Dichloropropene	**24.1**		µg/l		20.0		121	70-130		
Ethylbenzene	**22.4**		µg/l		20.0		112	70-130		
Hexachlorobutadiene	**23.5**		µg/l		20.0		118	70-130		
2-Hexanone (MBK)	**14.2**		µg/l		20.0		71	70-130		
Isopropylbenzene	**21.4**		µg/l		20.0		107	70-130		
4-Isopropyltoluene	**21.0**		µg/l		20.0		105	70-130		
Methyl tert-butyl ether	**21.8**		µg/l		20.0		109	70-130		
4-Methyl-2-pentanone (MIBK)	**20.0**		µg/l		20.0		100	70-130		
Methylene chloride	**20.0**		µg/l		20.0		100	70-130		
Naphthalene	**21.2**		µg/l		20.0		106	70-130		
n-Propylbenzene	**25.0**		µg/l		20.0		125	70-130		
Styrene	**21.5**		µg/l		20.0		107	70-130		
1,1,1,2-Tetrachloroethane	**22.6**		µg/l		20.0		113	70-130		
1,1,2,2-Tetrachloroethane	**22.0**		µg/l		20.0		110	70-130		
Tetrachloroethene	**22.0**		µg/l		20.0		110	70-130		
Toluene	**21.3**		µg/l		20.0		107	70-130		
1,2,3-Trichlorobenzene	**22.6**		µg/l		20.0		113	70-130		
1,2,4-Trichlorobenzene	**18.5**		µg/l		20.0		93	70-130		
1,3,5-Trichlorobenzene	**22.4**		µg/l		20.0		112	70-130		
1,1,1-Trichloroethane	**23.4**		µg/l		20.0		117	70-130		
1,1,2-Trichloroethane	**22.0**		µg/l		20.0		110	70-130		
Trichloroethene	**21.6**		µg/l		20.0		108	70-130		
Trichlorofluoromethane (Freon 11)	**24.0**		µg/l		20.0		120	70-130		
1,2,3-Trichloropropane	**22.3**		µg/l		20.0		112	70-130		
1,2,4-Trimethylbenzene	**22.0**		µg/l		20.0		110	70-130		
1,3,5-Trimethylbenzene	**22.1**		µg/l		20.0		111	70-130		
Vinyl chloride	**23.1**		µg/l		20.0		115	70-130		
m,p-Xylene	**23.0**		µg/l		20.0		115	70-130		
o-Xylene	**21.0**		µg/l		20.0		105	70-130		
Tetrahydrofuran	**22.4**		µg/l		20.0		112	70-130		
Ethyl ether	**23.8**		µg/l		20.0		119	70-130		
Tert-amyl methyl ether	**21.7**		µg/l		20.0		108	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2101042 - SW846 5030 Water MS										
LCS (2101042-BS1)					Prepared & Analyzed: 23-Mar-21					
Ethyl tert-butyl ether	**21.4**		µg/l		20.0		107	70-130		
Di-isopropyl ether	**24.4**		µg/l		20.0		122	70-130		
Tert-Butanol / butyl alcohol	**222**		µg/l		200		111	70-130		
1,4-Dioxane	**202**		µg/l		200		101	70-130		
trans-1,4-Dichloro-2-butene	**24.5**		µg/l		20.0		123	70-130		
Ethanol	**458**		µg/l		400		115	70-130		
Surrogate: 4-Bromofluorobenzene	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.7*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*52.8*		µg/l		*50.0*		*106*	*70-130*		
LCS Dup (2101042-BSD1)					Prepared & Analyzed: 23-Mar-21					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**23.1**		µg/l		20.0		115	70-130	4	20
Acetone	**17.4**		µg/l		20.0		87	70-130	5	20
Acrylonitrile	**23.7**		µg/l		20.0		119	70-130	2	20
Benzene	**22.0**		µg/l		20.0		110	70-130	0	20
Bromobenzene	**22.5**		µg/l		20.0		113	70-130	0	20
Bromochloromethane	**22.0**		µg/l		20.0		110	70-130	4	20
Bromodichloromethane	**22.3**		µg/l		20.0		111	70-130	2	20
Bromoform	**25.0**		µg/l		20.0		125	70-130	2	20
Bromomethane	**20.5**		µg/l		20.0		102	70-130	2	20
2-Butanone (MEK)	**18.0**		µg/l		20.0		90	70-130	0.7	20
n-Butylbenzene	**21.9**		µg/l		20.0		110	70-130	0.5	20
sec-Butylbenzene	**22.7**		µg/l		20.0		114	70-130	3	20
tert-Butylbenzene	**22.5**		µg/l		20.0		112	70-130	2	20
Carbon disulfide	**23.6**		µg/l		20.0		118	70-130	0.7	20
Carbon tetrachloride	**23.8**		µg/l		20.0		119	70-130	0.8	20
Chlorobenzene	**21.5**		µg/l		20.0		107	70-130	1	20
Chloroethane	**19.3**		µg/l		20.0		97	70-130	16	20
Chloroform	**21.9**		µg/l		20.0		110	70-130	0.7	20
Chloromethane	**22.1**		µg/l		20.0		110	70-130	1	20
2-Chlorotoluene	**24.6**		µg/l		20.0		123	70-130	0.9	20
4-Chlorotoluene	**22.3**		µg/l		20.0		111	70-130	2	20
1,2-Dibromo-3-chloropropane	**23.6**		µg/l		20.0		118	70-130	2	20
Dibromochloromethane	**22.7**		µg/l		20.0		113	70-130	0.1	20
1,2-Dibromoethane (EDB)	**22.7**		µg/l		20.0		114	70-130	0.2	20
Dibromomethane	**20.0**		µg/l		20.0		100	70-130	3	20
1,2-Dichlorobenzene	**22.7**		µg/l		20.0		114	70-130	1	20
1,3-Dichlorobenzene	**24.6**		µg/l		20.0		123	70-130	3	20
1,4-Dichlorobenzene	**22.0**		µg/l		20.0		110	70-130	0.3	20
Dichlorodifluoromethane (Freon12)	**22.9**		µg/l		20.0		115	70-130	5	20
1,1-Dichloroethane	**22.9**		µg/l		20.0		115	70-130	2	20
1,2-Dichloroethane	**21.4**		µg/l		20.0		107	70-130	4	20
1,1-Dichloroethene	**22.8**		µg/l		20.0		114	70-130	3	20
cis-1,2-Dichloroethene	**21.8**		µg/l		20.0		109	70-130	2	20
trans-1,2-Dichloroethene	**21.1**		µg/l		20.0		105	70-130	0.4	20
1,2-Dichloropropane	**22.4**		µg/l		20.0		112	70-130	0.09	20
1,3-Dichloropropane	**22.7**		µg/l		20.0		114	70-130	0.4	20
2,2-Dichloropropane	**24.0**		µg/l		20.0		120	70-130	0.9	20
1,1-Dichloropropene	**23.2**		µg/l		20.0		116	70-130	1	20
cis-1,3-Dichloropropene	**22.7**		µg/l		20.0		114	70-130	3	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2101042 - SW846 5030 Water MS										
LCS Dup (2101042-BSD1)					Prepared & Analyzed: 23-Mar-21					
trans-1,3-Dichloropropene	**24.5**		µg/l		20.0		122	70-130	1	20
Ethylbenzene	**22.5**		µg/l		20.0		113	70-130	0.6	20
Hexachlorobutadiene	**23.5**		µg/l		20.0		117	70-130	0.2	20
2-Hexanone (MBK)	**14.2**		µg/l		20.0		71	70-130	0	20
Isopropylbenzene	**21.9**		µg/l		20.0		110	70-130	3	20
4-Isopropyltoluene	**21.4**		µg/l		20.0		107	70-130	2	20
Methyl tert-butyl ether	**22.1**		µg/l		20.0		110	70-130	1	20
4-Methyl-2-pentanone (MIBK)	**20.0**		µg/l		20.0		100	70-130	0.3	20
Methylene chloride	**19.9**		µg/l		20.0		100	70-130	0.2	20
Naphthalene	**22.2**		µg/l		20.0		111	70-130	5	20
n-Propylbenzene	**24.8**		µg/l		20.0		124	70-130	0.8	20
Styrene	**22.4**		µg/l		20.0		112	70-130	4	20
1,1,1,2-Tetrachloroethane	**21.5**		µg/l		20.0		108	70-130	5	20
1,1,2,2-Tetrachloroethane	**22.8**		µg/l		20.0		114	70-130	3	20
Tetrachloroethene	**21.6**		µg/l		20.0		108	70-130	2	20
Toluene	**21.4**		µg/l		20.0		107	70-130	0.2	20
1,2,3-Trichlorobenzene	**24.0**		µg/l		20.0		120	70-130	6	20
1,2,4-Trichlorobenzene	**19.2**		µg/l		20.0		96	70-130	4	20
1,3,5-Trichlorobenzene	**23.0**		µg/l		20.0		115	70-130	3	20
1,1,1-Trichloroethane	**22.7**		µg/l		20.0		113	70-130	3	20
1,1,2-Trichloroethane	**22.4**		µg/l		20.0		112	70-130	2	20
Trichloroethene	**21.9**		µg/l		20.0		110	70-130	1	20
Trichlorofluoromethane (Freon 11)	**23.4**		µg/l		20.0		117	70-130	2	20
1,2,3-Trichloropropane	**22.9**		µg/l		20.0		114	70-130	3	20
1,2,4-Trimethylbenzene	**22.6**		µg/l		20.0		113	70-130	2	20
1,3,5-Trimethylbenzene	**22.4**		µg/l		20.0		112	70-130	1	20
Vinyl chloride	**23.1**		µg/l		20.0		115	70-130	0	20
m,p-Xylene	**24.1**		µg/l		20.0		121	70-130	5	20
o-Xylene	**21.9**		µg/l		20.0		109	70-130	4	20
Tetrahydrofuran	**22.9**		µg/l		20.0		115	70-130	2	20
Ethyl ether	**24.0**		µg/l		20.0		120	70-130	0.5	20
Tert-amyl methyl ether	**21.9**		µg/l		20.0		110	70-130	1	20
Ethyl tert-butyl ether	**22.0**		µg/l		20.0		110	70-130	2	20
Di-isopropyl ether	**24.5**		µg/l		20.0		122	70-130	0.3	20
Tert-Butanol / butyl alcohol	**230**		µg/l		200		115	70-130	3	20
1,4-Dioxane	**173**		µg/l		200		87	70-130	15	20
trans-1,4-Dichloro-2-butene	**24.0**		µg/l		20.0		120	70-130	2	20
Ethanol	**472**		µg/l		400		118	70-130	3	20
Surrogate: 4-Bromofluorobenzene	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.9*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*51.6*		µg/l		*50.0*		*103*	*70-130*		
SW846 8260C TICs										
Batch 2101020 - SW846 5030 Water MS										
Blank (2101020-BLK1)					Prepared & Analyzed: 19-Mar-21					
Tentatively Identified Compounds	**0.0**		µg/l							

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8270D SIM										
Batch 2101024 - SW846 3510C										
Blank (2101024-BLK1)						Prepared & Analyzed: 19-Mar-21				
1,4-Dioxane	< 0.200		µg/l	0.200						
Surrogate: 1,4-Dioxane-d-8 Surr	*2.18*		µg/l		*4.00*		*54*	*10-150*		
LCS (2101024-BS1)						Prepared & Analyzed: 19-Mar-21				
1,4-Dioxane	**0.260**		µg/l	0.200	0.500		52	40-140		
Surrogate: 1,4-Dioxane-d-8 Surr	*2.28*		µg/l		*4.00*		*57*	*10-150*		
LCS Dup (2101024-BSD1)						Prepared & Analyzed: 19-Mar-21				
1,4-Dioxane	**0.240**		µg/l	0.200	0.500		48	40-140	8	30
Surrogate: 1,4-Dioxane-d-8 Surr	*2.16*		µg/l		*4.00*		*54*	*10-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8082A										
Batch 2101030 - SW846 3510C										
Blank (2101030-BLK1)					Prepared: 22-Mar-21 Analyzed: 23-Mar-21					
Aroclor-1016	< 0.250		µg/l	0.250						
Aroclor-1016 [2C]	< 0.250		µg/l	0.250						
Aroclor-1221	< 0.250		µg/l	0.250						
Aroclor-1221 [2C]	< 0.250		µg/l	0.250						
Aroclor-1232	< 0.250		µg/l	0.250						
Aroclor-1232 [2C]	< 0.250		µg/l	0.250						
Aroclor-1242	< 0.250		µg/l	0.250						
Aroclor-1242 [2C]	< 0.250		µg/l	0.250						
Aroclor-1248	< 0.250		µg/l	0.250						
Aroclor-1248 [2C]	< 0.250		µg/l	0.250						
Aroclor-1254	< 0.250		µg/l	0.250						
Aroclor-1254 [2C]	< 0.250		µg/l	0.250						
Aroclor-1260	< 0.250		µg/l	0.250						
Aroclor-1260 [2C]	< 0.250		µg/l	0.250						
Aroclor-1262	< 0.250		µg/l	0.250						
Aroclor-1262 [2C]	< 0.250		µg/l	0.250						
Aroclor-1268	< 0.250		µg/l	0.250						
Aroclor-1268 [2C]	< 0.250		µg/l	0.250						
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*0.158*		µg/l		*0.200*		*79*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*0.145*		µg/l		*0.200*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.131*		µg/l		*0.200*		*66*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.151*		µg/l		*0.200*		*76*	*30-150*		
LCS (2101030-BS1)					Prepared: 22-Mar-21 Analyzed: 23-Mar-21					
Aroclor-1016	**2.35**		µg/l	0.250	2.50		94	40-140		
Aroclor-1016 [2C]	**2.43**		µg/l	0.250	2.50		97	40-140		
Aroclor-1260	**2.45**		µg/l	0.250	2.50		98	40-140		
Aroclor-1260 [2C]	**2.49**		µg/l	0.250	2.50		99	40-140		
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*0.160*		µg/l		*0.200*		*80*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*0.147*		µg/l		*0.200*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.151*		µg/l		*0.200*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.173*		µg/l		*0.200*		*87*	*30-150*		
LCS Dup (2101030-BSD1)					Prepared: 22-Mar-21 Analyzed: 23-Mar-21					
Aroclor-1016	**2.40**		µg/l	0.250	2.50		96	40-140	2	20
Aroclor-1016 [2C]	**2.31**		µg/l	0.250	2.50		92	40-140	5	20
Aroclor-1260	**2.45**		µg/l	0.250	2.50		98	40-140	0.2	20
Aroclor-1260 [2C]	**2.50**		µg/l	0.250	2.50		100	40-140	0.5	20
Surrogate: 2,4,5,6-TC-M-Xylene (IS)	*0.157*		µg/l		*0.200*		*78*	*30-150*		
Surrogate: 2,4,5,6-TC-M-Xylene (IS) [2C]	*0.144*		µg/l		*0.200*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.155*		µg/l		*0.200*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.174*		µg/l		*0.200*		*87*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 200.7										
Batch 2100984 - EPA 200 Series										
Blank (2100984-BLK1)					Prepared: 18-Mar-21 Analyzed: 20-Mar-21					
Selenium	< 0.0300		mg/l	0.0300						
Iron	< 0.100		mg/l	0.100						
Manganese	**0.0218**		mg/l	0.0100						
Sodium	< 2.00		mg/l	2.00						
Arsenic	< 0.0080		mg/l	0.0080						
Barium	< 0.0100		mg/l	0.0100						
Cadmium	< 0.0050		mg/l	0.0050						
Calcium	< 0.500		mg/l	0.500						
Chromium	< 0.0100		mg/l	0.0100						
Copper	< 0.0100		mg/l	0.0100						
Lead	< 0.0150		mg/l	0.0150						
Silver	< 0.0100		mg/l	0.0100						
Zinc	< 0.0200		mg/l	0.0200						
LCS (2100984-BS1)					Prepared: 18-Mar-21 Analyzed: 20-Mar-21					
Selenium	**2.52**		mg/l	0.0300	2.50		101	85-115		
Iron	**2.63**		mg/l	0.100	2.50		105	85-115		
Manganese	**2.64**		mg/l	0.0100	2.50		105	85-115		
Sodium	**12.9**		mg/l	2.00	12.5		103	85-115		
Arsenic	**2.54**		mg/l	0.0080	2.50		102	85-115		
Barium	**2.52**		mg/l	0.0100	2.50		101	85-115		
Cadmium	**2.37**		mg/l	0.0050	2.50		95	85-115		
Calcium	**12.5**		mg/l	0.500	12.5		100	85-115		
Chromium	**2.59**		mg/l	0.0100	2.50		104	85-115		
Copper	**2.47**		mg/l	0.0100	2.50		99	85-115		
Lead	**2.57**		mg/l	0.0150	2.50		103	85-115		
Silver	**2.32**		mg/l	0.0100	2.50		93	85-115		
Zinc	**2.50**		mg/l	0.0200	2.50		100	85-115		
Duplicate (2100984-DUP1)			**Source: SC60981-08**		Prepared: 18-Mar-21 Analyzed: 20-Mar-21					
Selenium	< 0.0300		mg/l	0.0300		BRL				20
Iron	**0.0699**	J	mg/l	0.100		0.0810			15	20
Manganese	**0.0319**		mg/l	0.0100		0.0318			0.3	20
Sodium	**4.35**		mg/l	2.00		4.34			0.1	20
Arsenic	< 0.0080		mg/l	0.0080		BRL				20
Barium	< 0.0100		mg/l	0.0100		BRL				20
Cadmium	< 0.0050		mg/l	0.0050		BRL				20
Calcium	**29.9**		mg/l	0.500		29.8			0.4	20
Chromium	< 0.0100		mg/l	0.0100		BRL				20
Copper	< 0.0100		mg/l	0.0100		BRL				20
Lead	< 0.0150		mg/l	0.0150		BRL				20
Silver	< 0.0100		mg/l	0.0100		BRL				20
Zinc	**0.0059**	J	mg/l	0.0200		0.0055			7	20
Matrix Spike (2100984-MS1)			**Source: SC60981-08**		Prepared: 18-Mar-21 Analyzed: 20-Mar-21					
Selenium	**2.55**		mg/l	0.0300	2.50	BRL	102	70-130		
Iron	**2.64**		mg/l	0.100	2.50	0.0810	103	70-130		
Manganese	**2.73**		mg/l	0.0100	2.50	0.0318	108	70-130		
Sodium	**16.8**		mg/l	2.00	12.5	4.34	99	70-130		
Arsenic	**2.59**		mg/l	0.0080	2.50	BRL	103	70-130		
Barium	**2.54**		mg/l	0.0100	2.50	BRL	102	70-130		
Cadmium	**2.37**		mg/l	0.0050	2.50	BRL	95	70-130		
Calcium	**42.5**		mg/l	0.500	12.5	29.8	102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 200.7										
Batch 2100984 - EPA 200 Series										
Matrix Spike (2100984-MS1)			**Source: SC60981-08**			Prepared: 18-Mar-21 Analyzed: 20-Mar-21				
Chromium	**2.60**		mg/l	0.0100	2.50	BRL	104	70-130		
Copper	**2.51**		mg/l	0.0100	2.50	BRL	100	70-130		
Lead	**2.57**		mg/l	0.0150	2.50	BRL	103	70-130		
Silver	**2.35**		mg/l	0.0100	2.50	BRL	94	70-130		
Zinc	**2.51**		mg/l	0.0200	2.50	0.0055	100	70-130		
Post Spike (2100984-PS1)			**Source: SC60981-08**			Prepared: 18-Mar-21 Analyzed: 20-Mar-21				
Selenium	**2.55**		mg/l	0.0300	2.50	BRL	102	85-115		
Iron	**2.65**		mg/l	0.100	2.50	0.0810	103	85-115		
Manganese	**2.74**		mg/l	0.0100	2.50	0.0318	108	85-115		
Sodium	**16.8**		mg/l	2.00	12.5	4.34	100	85-115		
Arsenic	**2.59**		mg/l	0.0080	2.50	BRL	104	85-115		
Barium	**2.58**		mg/l	0.0100	2.50	BRL	103	85-115		
Cadmium	**2.39**		mg/l	0.0050	2.50	BRL	96	85-115		
Calcium	**42.6**		mg/l	0.500	12.5	29.8	102	85-115		
Chromium	**2.61**		mg/l	0.0100	2.50	BRL	104	85-115		
Copper	**2.51**		mg/l	0.0100	2.50	BRL	100	85-115		
Lead	**2.59**		mg/l	0.0150	2.50	BRL	104	85-115		
Silver	**2.13**		mg/l	0.0100	2.50	BRL	85	85-115		
Zinc	**2.53**		mg/l	0.0200	2.50	0.0055	101	85-115		
EPA 245.1/7470A										
Batch 2100985 - EPA200/SW7000 Series										
Blank (2100985-BLK1)						Prepared & Analyzed: 23-Mar-21				
Mercury	< 0.00030		mg/l	0.00030						
LCS (2100985-BS1)						Prepared & Analyzed: 23-Mar-21				
Mercury	**0.00528**		mg/l	0.00030	0.00500		106	85-115		
Duplicate (2100985-DUP1)			**Source: SC60981-05**			Prepared & Analyzed: 23-Mar-21				
Mercury	**0.00015**	J	mg/l	0.00030		0.00014			3	20
Matrix Spike (2100985-MS1)			**Source: SC60981-05**			Prepared & Analyzed: 23-Mar-21				
Mercury	**0.00523**		mg/l	0.00030	0.00500	0.00014	102	80-120		
Post Spike (2100985-PS1)			**Source: SC60981-05**			Prepared & Analyzed: 23-Mar-21				
Mercury	**0.00469**		mg/l	0.00030	0.00500	0.00014	91	85-115		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SM18-22 2540C										
Batch 2100986 - General Preparation										
Blank (2100986-BLK1)						Prepared: 23-Mar-21 Analyzed: 25-Mar-21				
Total Dissolved Solids	< 5		mg/l	5						
LCS (2100986-BS1)						Prepared: 23-Mar-21 Analyzed: 25-Mar-21				
Total Dissolved Solids	**980**		mg/l	10	1000		98	90-110		
Duplicate (2100986-DUP1)			**Source: SC60981-01**			Prepared: 23-Mar-21 Analyzed: 25-Mar-21				
Total Dissolved Solids	**456**		mg/l	5		438			4	5
Duplicate (2100986-DUP2)			**Source: SC60981-02**			Prepared: 23-Mar-21 Analyzed: 25-Mar-21				
Total Dissolved Solids	**293**	QR7	mg/l	5		368			23	5

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
EPA 300_ORGFM_28D										
Batch 105868 - NONE										
LCS (1058683Q)					Prepared & Analyzed: 22-Mar-21					
Chloride	**2.91**		mg/l	0.40	3.00		97	90-110		
Sulfate	**7.21**		mg/l	1.0	7.50		96	90-110		
Blank (1058684B)					Prepared & Analyzed: 22-Mar-21					
Chloride	< 0.40		mg/l	0.40				-		
Sulfate	< 1.0		mg/l	1.0				-		
Batch 106212 - NONE										
LCS (1062123Q)					Prepared & Analyzed: 23-Mar-21					
Chloride	**3.04**		mg/l	0.40	3.00		101	90-110		
Sulfate	**7.70**		mg/l	1.0	7.50		103	90-110		
Blank (1062124B)					Prepared & Analyzed: 23-Mar-21					
Chloride	< 0.40		mg/l	0.40				-		
Sulfate	< 1.0		mg/l	1.0				-		
Matrix Spike (327897S)			**Source: SC60981-07**		Prepared & Analyzed: 23-Mar-21					
Chloride	**18.3**		mg/l	2.0	10.0	8.5	99	90-110		
Sulfate	**30.5**		mg/l	5.0	25.0	6.7	95	90-110		
Duplicate (327897X)			**Source: SC60981-07**		Prepared & Analyzed: 23-Mar-21					
Chloride	**8.36**		mg/l	2.0		8.5		-	1	15
Sulfate	**6.74**		mg/l	5.0		6.7		-	0.4	15
MCAWW 410.4										
Batch 105002 - NONE										
Blank (1050021B)					Prepared & Analyzed: 19-Mar-21					
Chemical Oxygen Demand	< 75		mg/l	75				-		
LCS (1050022Q)					Prepared & Analyzed: 19-Mar-21					
Chemical Oxygen Demand	**484**		mg/l	75	500		97	94-110		
Matrix Spike (327897S)			**Source: SC60981-07**		Prepared & Analyzed: 19-Mar-21					
Chemical Oxygen Demand	**391**		mg/l	75	400	BRL	98	94-110		
Duplicate (327897X)			**Source: SC60981-07**		Prepared & Analyzed: 19-Mar-21					
Chemical Oxygen Demand	< 75		mg/l	75		BRL		-	NC	9
SM 2320B										
Batch 105768 - NONE										
Blank (105768116B)					Prepared & Analyzed: 20-Mar-21					
Total Alkalinity as CaCO3 to pH 4.5	< 8.0		mg/l	8.0				-		
LCS (105768117Q)					Prepared & Analyzed: 20-Mar-21					
Total Alkalinity as CaCO3 to pH 4.5	**178**		mg/l	8.0	189		94	82-106		
Matrix Spike (327891S)			**Source: SC60981-01**		Prepared & Analyzed: 20-Mar-21					
Total Alkalinity as CaCO3 to pH 4.5	**222**	F1	mg/l	8.0	189	170	29	82-106		
Duplicate (327891X)			**Source: SC60981-01**		Prepared & Analyzed: 20-Mar-21					
Total Alkalinity as CaCO3 to pH 4.5	**168**		mg/l	8.0		170		-	0.3	5
SW846 9012A										
Batch 105412 - Distill_CN										
LCS (1054121AQ)					Prepared: 21-Mar-21 Analyzed: 22-Mar-21					
Cyanide, Total	**0.203**		mg/l	0.010	0.200		102	90-110		
LCS Dup (10541224AY)			**Source: 1054121AQ**		Prepared: 21-Mar-21 Analyzed: 22-Mar-21					
Cyanide, Total	**0.190**		mg/l	0.010	0.200	0.203	95	90-110	7	20
Blank (1054122AB)					Prepared: 21-Mar-21 Analyzed: 22-Mar-21					
Cyanide, Total	< 0.010		mg/l	0.010				-		
Matrix Spike (327896S)			**Source: SC60981-06**		Prepared: 21-Mar-21 Analyzed: 22-Mar-21					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 9012A										
Batch 105412 - METHOD										
Matrix Spike (327896S)			**Source: SC60981-06**			Prepared: 21-Mar-21 Analyzed: 22-Mar-21				
Cyanide, Total	**0.206**		mg/l	0.010	0.200	BRL	103	72-114		
Duplicate (327896X)			**Source: SC60981-06**			Prepared: 21-Mar-21 Analyzed: 22-Mar-21				
Cyanide, Total	< 0.010		mg/l	0.010		BRL		-	NC	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
E300.0										
Batch 567386A - E300.0										
Blank (CH80020-BLK)						Prepared & Analyzed: 17-Mar-21				
Nitrate as Nitrogen	< 0.05		mg/l	0.05			BRL	-		
LCS (CH80020-LCS)						Prepared & Analyzed: 17-Mar-21				
Nitrate as Nitrogen	**1.122**		mg/l	0.05	031218529		99.3	90-110		20
Batch 567387A - E300.0										
Blank (CH80518-BLK)						Prepared & Analyzed: 17-Mar-21				
Nitrate as Nitrogen	< 0.05		mg/l	0.05			BRL	-		
LCS (CH80518-LCS)						Prepared & Analyzed: 18-Mar-21				
Nitrate as Nitrogen	**1.118**		mg/l	0.05	053589484		98.9	90-110		20

Notes and Definitions

D	Data reported from a dilution
E	This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.
F1	MS and/or MSD recovery exceeds control limits.
HT1	Sample submitted with insufficient time to prepare or analyze within the method recommended holding time.
QR7	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.
R06	MRL raised to correlate to batch QC reporting limits.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
[2C]	Indicates concentration was reported from the secondary, confirmation column.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
MF	In accordance with 40 CFR 136.3, samples for dissolved metals analysis must be filtered within 15 minutes of collection and before adding preservatives. Samples not filtered in the field within 15 minutes of collection are not within method requirements.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

SC6098 ITEM

eurofins | Environment Testing New England

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: Todd Donze
ATR
Telephone #: (413) 781-0070
Project Mgr: Todd Donze

Invoice To: Same
P.O No.: _____ Quote #: extreme

Project No: 183TD20066
Site Name: Old Orchard Road Landfill
Location: Langsborough State: MA
Sampler(s): _____

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= ice 12= _____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= $DI H_2O$ X2= _____ X3= _____

G= Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TDS, Alkalinity, Chloride, Sulfate	Nitrate Nitrogen	COD	Total CN	*Dissolved Metals	**VOCs 8260	***1,4-Dioxane	PCBs 8080	Check if chlorinated
	~~MW-7~~	3 21		G	GW	3	2		5	X	X	X	X	X	X	X		
-01	MW-8	3 16 21	16:50	G	GW	3	2		5	X	X	X	X	X	X	X		
-02	MW-16	3 16 21	11:20	G	GW	3	4		5	X	X	X	X	X	X	X	X	
	~~MW-17~~	21		G	GW	3	2		5	X	X	X	X	X	X	X		
-03	MW-18	3 16 21	10:17	G	GW	3	X3		5	X	X	X	X	X	X	X	X	
-04	MW-101D	3 16 21	12:55	G	GW	3	2		5	X	X	X	X	X	X	X		
-05	MW-103D	3 16 21	9:10	G	GW	3	X1		5	X	X	X	X	X	X	X		
-06	MW-104D	3 16 21	13:15	G	GW	3	4		5	X	X	X	X	X	X	X	X	
-07	S-1	3 16 21	11:20	G	SW	3	2		5	X	X	X	X	X	X	X		
-09	S-2	3 16 21	11:00	G	SW	3	2		5	X	X	X	X	X	X	X		

List Preservative Code below:

11	11	3,11	5,11	X,11	2,16	11	11
TDS, Alkalinity, Chloride, Sulfate	Nitrate Nitrogen	COD	Total CN	*Dissolved Metals	**VOCs 8260	***1,4-Dioxane	PCBs 8080

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? [ ] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[ ] Standard [ ] No QC [ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other: _____
State-specific reporting standards:

* Ag, As, Ba, Ca, Cd, Cr, Cu, Fe, Hg, Mn, Na, Pb, Se, Zn
** include MEK, MIBK, Acetone at lowest detection limits
*** at lowest detection limit <0.3 ppb (ug/L)
# Please Provide TICs forms
* Lab to filter & preserve diss. metals

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	3-17-21	4:26
[signature]	[signature]	3/17/21	11:00

Temp °C: Observed 2.4; Correction Factor +1; Corrected 3.4; IR ID # 6

[ ] EDD format:
[x] E-mail to: Todd.donze@atcassociates.com

Condition upon receipt: [ ] Ambient [x] Iced [ ] Refrigerated
Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] DI VOA Frozen [ ] Soil Jar Frozen

SC60981

eurofins | Environment Testing New England

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: Todd Donze
ATC
Telephone #: (413) 781-0070
Project Mgr: Todd Donze

Invoice To: Same
P.O No.: _____ Quote #: extreme

Project No: 183TD20066
Site Name: Old Orebed Road Landfill
Location: Lanesborough State: MA
Sampler(s): _____

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= Ice 12= _____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= D_2H_2O X2= _____ X3= _____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List Preservative Code below: 2, 11 — Analysis: ** VOCs 8260	Check if chlorinated
-09	Trip	3/16/21	Provided by eurofins	G	X1	1				X	

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? [ ] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[ ] Standard [ ] No QC [ ] DQA*
[ ] ASP A* [ ] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other: _____
State-specific reporting standards:

** include MEK MIBK Acetone at lowest detection Limits
+Unknown Peaks >5x Background + TICs

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	[signature]	3/17/21	9:26	Observed 2.4
[signature]	[signature]	3/17/21	11:00	Correction Factor +1
				Corrected 3.4
				IR ID # 6

[ ] EDD format: _____
[x] E-mail to: Todd.donze@atcassociates.com

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [x] Iced [ ] Refrigerated [ ] DI VOA Frozen [ ] Soil Jar Frozen

Batch Summary

105002

Subcontracted Analyses

1050021B
1050022Q
327897S
327897X
SC60981-01 (MW-8)
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)

105412

Subcontracted Analyses

1054121AQ
10541224AY
1054122AB
327896S
327896X
SC60981-01 (MW-8)
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)

105768

Subcontracted Analyses

105768116B
105768117Q
327891S
327891X
SC60981-01 (MW-8)
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)

105868

Subcontracted Analyses

1058683Q
1058684B
SC60981-01 (MW-8)
SC60981-01RE01 (MW-8)

106212

Subcontracted Analyses

1062123Q
1062124B
327897S
327897X
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)

2100984

Soluble Metals by EPA 200 Series Methods

2100984-BLK1
2100984-BS1
2100984-DUP1
2100984-MS1
2100984-PS1
SC60981-01 (MW-8)
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)

2100985

Soluble Metals by EPA 200 Series Methods

2100985-BLK1
2100985-BS1
2100985-DUP1
2100985-MS1
2100985-PS1
SC60981-01 (MW-8)
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)

2100986

General Chemistry Parameters

2100986-BLK1
2100986-BS1
2100986-DUP1
2100986-DUP2
SC60981-01 (MW-8)
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)

2101020

Volatile Organic Compounds

2101020-BLK1
2101020-BS1
2101020-BSD1
SC60981-01 (MW-8)
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)
SC60981-09 (Trip)

2101024

Semivolatile Organic Compounds by GCMS

2101024-BLK1
2101024-BS1
2101024-BSD1
SC60981-01 (MW-8)
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)

2101030

Semivolatile Organic Compounds by GC

2101030-BLK1
2101030-BS1
2101030-BSD1
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-06 (MW-104D)

2101042

Volatile Organic Compounds

2101042-BLK1
2101042-BS1
2101042-BSD1
SC60981-06RE1 (MW-104D)

2101075

Soluble Metals by EPA 200/6000 Series Methods

SC60981-01 (MW-8)
SC60981-02 (MW-16)
SC60981-03 (MW-18)
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)

567386A

Subcontracted Analyses

CH80020-BLK
CH80020-LCS
SC60981-01 (MW-8)
SC60981-02 (MW-16)
SC60981-03 (MW-18)

567387A

Subcontracted Analyses

CH80518-BLK
CH80518-LCS
SC60981-04 (MW-101D)
SC60981-05 (MW-103D)
SC60981-06 (MW-104D)
SC60981-07 (S-1)
SC60981-08 (S-2)

APPENDIX D

WELL GAUGING AND FIELD PARAMETER LOG

ATC Group Services, LLC

73 William Franks Drive, West Springfield, Massachusetts 01089
MA: (413) 781-0070 FAX: (413) 781-3734

WELL GAUGING AND SAMPLING LOG

Client:	Town of Lanesborough	**Job Number:**	183TD20066	Sheet 1 of 1	
Location:	Former Old Orebed Road Landfill	**Date:**	3/16/2021		
Personnel:	Kaley Fournier - *Environmental Field Technician*	**Weather Conditions:**	Cloudy, 23.4°, West @ 1.4 mph		

Well ID	*D*	*Point of Reference (PVC/Rim)*	*Total Depth of Well (feet)*	*Depth to Water (feet)*	*Standing Water (feet)*	*Static Volume (gallons)*	*Water Volume Purged (gallons)*	*Odors (Y/N)*	*Color (Y/N)*	*Dissolved Oxygen (mg/L)*	*pH (S.U.)*	*Specific Conductivity (us/cm)*	*Temperature (^{0}C)*	*Sample Time*	*Comments*
MW-7	2	PVC	34.51	Groundwater monitoring well location gauged as dry and consequently, a sample set was not collected during the monitoring period.											Locked, labeled, covered
MW-8	2	PVC	33.73	20.29	13.44	1.24	6.00	N	N	4.18	7.66	502	5.50	4:50	Locked, labeled, covered
MW-16	2	PVC	46.28	44.63	1.65	0.15	1.00	N	N	1.55	8.00	462	1.71	11:20	Locked, labeled, covered
MW-17	2	PVC	44.14	Groundwater monitoring well location gauged as dry and consequently, a sample set was not collected during the monitoring period.											Locked, labeled, covered
MW-18	2	PVC	52.90	27.96	24.94	4.07	12.00	N	N	1.28	7.43	278	1.44	10:17	Locked, labeled, covered
MW-101D	2	PVC	84.24	37.25	46.99	7.66	24.00	N	N	6.82	7.19	211	3.15	12:55	Locked, labeled, covered
MW-103D	2	PVC	101.70	48.61	53.09	8.65	27.00	N	Y	1.18	7.82	258	1.16	9:10	Locked, labeled, covered
MW-104D	2	PVC	99.50	33.56	65.94	10.75	33.00	N	Y	3.41	7.34	256	2.90	1:15	Locked, labeled, covered
S-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	5.82	7.23	220	2.08	11:20	Surface Water
S-2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	5.43	7.37	226	1.30	11:00	Surface Water
55 Old Orebed Road	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	4.76	7.48	252	1.64	10:20	Private Well
87 Old Orebed Road	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	6.90	7.35	249	1.92	9:02	Private Well
95 Old Orebed Road	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	5.24	7.12	243	1.99	9:50	Private Well
99 Old Orebed Road	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N	N	8.68	7.93	182	5.14	12:15	Private Well

Instrumentation & Equipment	*Manufacturer/Model*	*I.D.*	*Calibration*	*Decon*	*Notes*
Heron Water Level Indicator	Heron	5	N/A	Yes	
pH/ °C Meter	YSI Model 650		Yes	Yes	
Specific Conductivity Meter	YSI Model 650		Yes	Yes	
Dissolved Oxygen Meter	YSI Model 650		Yes	Yes	

D = Well diameter in inches.

73 William Frank Drive
Westfield, MA 010898
Telephone 413.781.0070
Fax 737.207.8280
www.atcgroupservices.com

Instruments Calibration

Project Number: 183TD20066 ***Date:*** March 16, 2021

Site: Old Orebed Road Landfill ***Task:*** 2

Instrument: CES Landtec GEM-5000 (Serial # G 502321) Pine Environmental Equipment, Inc. Rental # 36248

Calibration Gas: Geotech
Lot Number: 16 – 5792

Component	Concentration
Hydrogen Sulfide	25 ppm
Nitrogen	Balance

Calibration Gas: Geotech
Lot Number: 16 – 5710

Component	Concentration
Carbon Dioxide	15.0%
Methane	15.0%
Nitrogen	Balance

OVM Calibrated: Yes

By signing below employee is certifying the instrument(s) indicated above has/have been calibrated and is/are functioning properly.

Personnel Calibrating Instrument(s): Kaley Fournier – *Environmental Technician*

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Westfield, MA 010898
Telephone 413.781.0070
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www.atcgroupservices.com

Instrument Calibration Log

Project Number: 183TD20066 ***Date:*** March 16, 2021

Site: Old Orebed Road Landfill ***Task:*** 1

Instrument: YSI pH/Temp/Specific Conductivity/Dissolved Oxygen Meter with Automatic Temperature Compensation (ATC) Model # 650 MDS

pH Calibration Buffers: (7&10) check in odd buffer:

AquaPhoenix	pH Buffer	Lot No.	Exp Date	Reading
Pine	7.00	9GL809	Dec 2021	7.00
Pine	10.00	9GGF372	June 2021	10.00

Conductivity Calibration Solution:

ExTech Instruments	Solution	Lot No.	Exp Date	Reading
EC-12880-P	12.88 us/cm	H269-04	April 2022	12.88

Dissolved Oxygen Calibration:

Instrument Calibrated: Yes

By signing below employee is certifying the instrument(s) indicated above has/have been calibrated and is/are functioning properly.

Personnel Calibrating Instrument(s): Kaley Fournier – *Environmental Technician*