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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



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(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.



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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

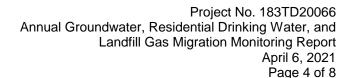
Final field screening results and the laboratory indicator parameter analyses indicated that no applicable MMCL and/or SMCL standards were exceeded relative to the residential drinking water samples collected during this event. See Table – 1 for individual sample results. No applicable ORSG standards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

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 <u>Chloride</u>

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 <u>Arsenic</u>

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



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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

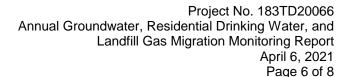
The following exceedances of the applicable SMCL standard for iron were documented concerning the samples collected at and/or in the vicinity of the landfill during the period of September 2018 through March 2021: MW-8 (2020); MW-101D (2020); MW-104D (2020); and S-1 (2020). Concentrations of iron ranged 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 <u>Lead</u>

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



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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 (% CH₄), % Lower Explosive Limit (% LEL), % oxygen (% O₂), % carbon dioxide (% CO₂), and hydrogen sulfide (H₂S 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.



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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 fires 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

Filone. (413) 344-2700

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)
Well I.D.
Monitoring Well
V1:
Landfill Vent Well
GW-2:
Landfill Gas Well

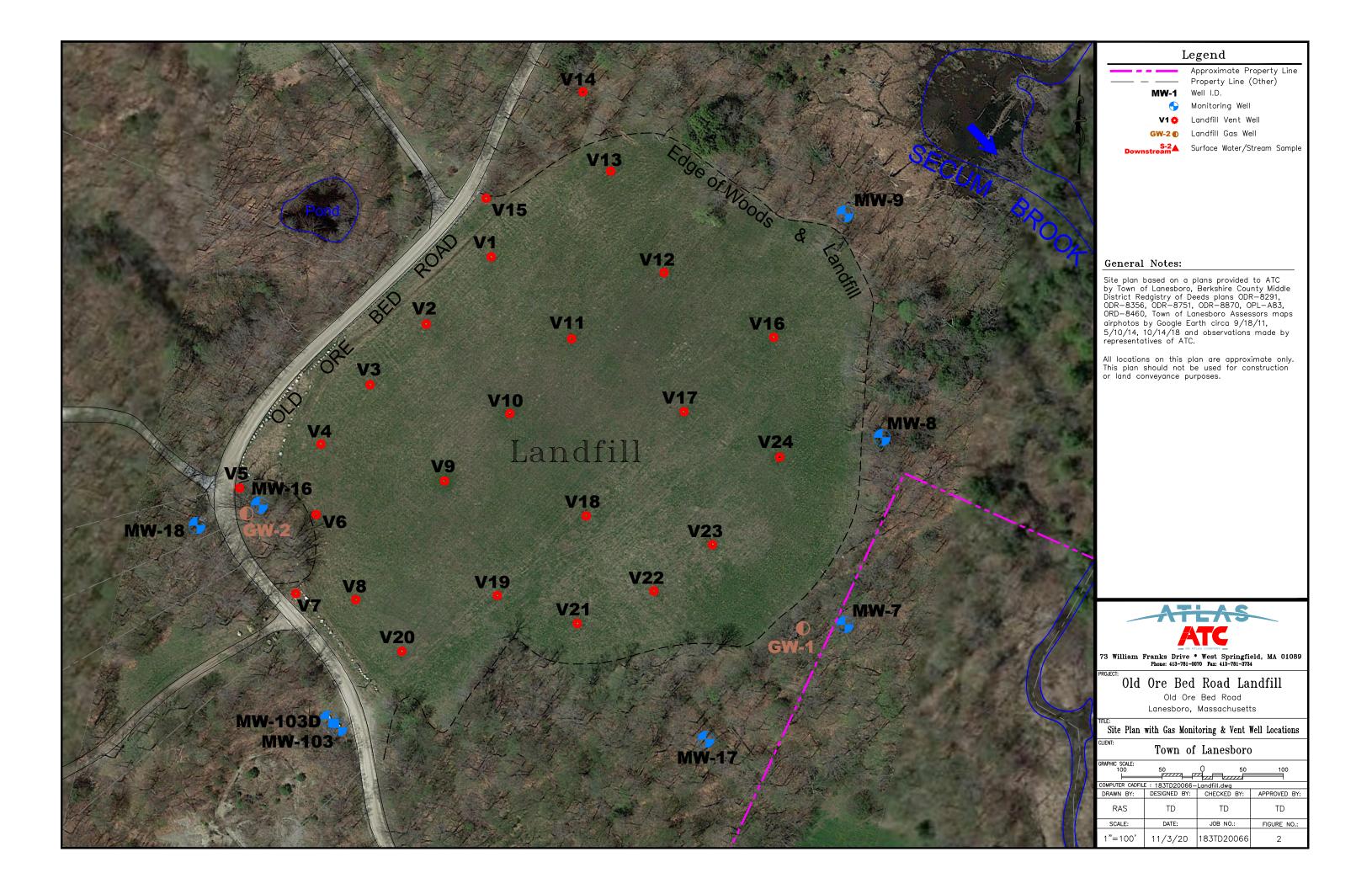
Downstream Surface Water/Stream Sample





T NOOLO		0r	(Old	l Road Ore Bed oro, Mass	Road		
TITLE: Site	Plan	with	Well	&	Surface	Water	Samples	Locations

	CADFILE: 1	83TD20066-	Landfill.dwa	
	DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
	RAS	TD	TD	TD
	SCALE:	DATE:	JOB NO.:	FIGURE NO.:
3	1"=300'	11/3/20	183TD20066	1



APPENDIX B

TABLES

TABLE - 1
Indicator Parameters Analyses of Samples Collected at and in the Vicinity of the Old Orebed Road Landfill March 2021

		Field	Field	Field	Field			Indi	icator Parame	eters		
Sample Location	Date	pН	Тетр.	Sp. Cond	D.O.	Alkalinity	Chloride	Chemical Oxygen Demand	Total Cyanide	Nitrate-(N)	Sulfate	Total Dissolved Solids
Sample Location	Date							(COD)	(T CN -)			(TDS)
		(S.U.)	(°C)	(umhos)	(mg/L)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
MA Surface W	ater Stds.											
MA SW	'QS	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 V	Vater 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 Acute Cr		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 Cronic Cr		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) St	d 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) St	d 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
							ırface 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
	,						roundwater					
MW-7	3/16/2021							d consequently, a sample				
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							d consequently, a sample				
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
FF 0110 1 171							inking 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

		Soluble/	Silver	Arsenic	Barium	Calcium	Cadmium	Chromium	Copper	Iron	Mercury	Manganese	Sodium	Lead	Selenium	Zinc
Sample Location	Date	Total	Ag	As	Ва	Ca	Cd	Cr	Cu	Fe	Hg	Mn	Na	Pb	Se	Zn
Sumple Econom	Direc	Metals	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
MA Drinking V	Vater Stds.		(112)	(iiig)	(112)	(,2)	((,2)	(,3)	(((119)	(,3,4)	((3)	(11-2)
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) 6 Acute Cr			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) 6 Cronic Cr			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) Sto	d 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) Sto	d 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
								undwater								
MW-7	3/16/2021	Soluble										collected duri				
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										collected duri			1	
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 MW-104D	3/16/2021	Soluble	< 0.0100	< 0.0080	< 0.0100	26.9	< 0.0050 < 0.0050	< 0.0100	< 0.0100	< 0.100	< 0.00030 < 0.00030	0.0445 < 0.0100	2.30	< 0.0150	< 0.0300	< 0.0200
MW-104D	3/16/2021	Soluble	< 0.0100	< 0.0080	< 0.0100	34.5		< 0.0100 cing Water	< 0.0100	0.139	< 0.00030	< 0.0100	2.51	< 0.0150	< 0.0300	< 0.0200
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	0.00230	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	< 0.00217	< 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	0.00320	< 0.100	< 0.00030	< 0.00500	< 2.00	0.00100	< 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 V	Vater Stds.									Ů
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) 6 Acute Cr		N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
314 CMR 4.05(5) 6 Cronic Cr		N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
MCP 40.0974(2) Sto	d 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) Sto	d Table GW -3	N/S	50	50	50	50	50	30	5	0.01
						Surface Wate	er			
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
						Groundwate	•			
MW-7	3/16/2021		Ground	lwater monito	oring well loca	tion gauged as dry a	and consequently, a sample	e set was not collected du	ring 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		Ground	lwater monito	oring well loca	tion gauged as dry a	and consequently, a sample	e set was not collected dur	ring 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 Wat				
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.
- $\textbf{4. } \textcolor{red}{\textbf{Bold Red}} \text{ indicates an exceedance of the Primary Drinking Water Standards } \textcolor{red}{\textbf{MMCLs}}.$
- 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 Exceedan

					Note:	Analyte Not	Listed = No S	tandard , Not	Required for	Notification, an	d/or No Hist	orical Detecti	on or Exceeda:	nces						
	1,4-Dioxane	Tetrachloroethene	Trichloroethene	Total PCBs	Arsenic	Barium	Cadmium	Copper	Iron	Manganese	Sodium	Lead	Zinc	pН	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					0.45		0.00072					0.005	0.12	6.5-8.3	20	220	0.0052			
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	0.00038	< 0.001	< 0.001		< 0.0008	< 0.01	< 0.0002	< 0.001	< 0.050	consequently, a s	6.6	< 0.0005	< 0.010	7.78	vent. 180	12	< 0.010	0.79	15	230
9/9/19	0.00038	< 0.001	< 0.001							consequently, a						12	< 0.010	0.79	15	230
3/16/21										consequently, a										
										1										
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								L	L	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
Dete										MW-17										
Date 9/26/18					Groun	dwater manit	toring well loo	otion observe	d on dry and	consequently, a	omnle set wo	e not collecte	d during this	monitoring e	vent					
9/9/19										consequently, a										
9/16/20										consequently, a										
3/16/21					Groundwa	ter monitori	ng well locati	ion observed	as dry and c	onsequently, a	sample set w	as not collec	ted during th	is monitori	ng event.					
D /										100										
<i>Date</i> 9/26/18	< 0.0002	< 0.001	< 0.001	< 0.0005	< 0.004	0.007	< 0.001	< 0.005	< 0.011	MW-18 0.014	0.84	< 0.002	< 0.002	7.28	68	< 3.0	< 0.010	0.10	< 3.0	88
9/26/18	< 0.0002	< 0.001	< 0.001	< 0.0003	< 0.004	< 0.007	< 0.001	< 0.005	< 0.011	0.0056	< 2.0	< 0.002	< 0.002	7.28	63	1.7	< 0.010	0.16	2.5	48
9/16/20	< 0.0002	< 0.001	< 0.001	< 0.0002	< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	0.137	< 2.00	< 0.0003	< 0.0200	7.44	68	1.8	< 0.010	0.10	< 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 < 0.001		< 0.0080 < 0.0080	0.141	< 0.0050 < 0.0050	0.0104	1.54	0.665 < 0.0100	2.91 3.24	< 0.0150	0.0226	7.90 7.19	85 84	< 2.0	< 0.010	< 0.05	17 14	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	64	< 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					<u> </u>		<u> </u>			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	< 0.001	0.26	< 0.0003	< 0.0004	< 0.007	< 0.0001	< 0.003	< 0.011	0.0028	2.14	< 0.002	< 0.002	8.03	93	7.2	< 0.010	0.43	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
		< 0.001	~	0.000000			0.0050								r i					
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 Roa	d									
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 Roa	d									
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									Old Orebed Roa										
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						ı	ı		Old Orebed Roa					1	1	1			
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
D (0.4.11										
Date	0.0000	0.004	0.004	0.004	0.000	0.004	0.005		S-1 Upstream	0.05	0.000	0.000	= ==			0.040	0.40	2.0	440
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 0.314	0.082 0.101	4.2	0.0042	0.016	8.05 6.99	99 110	8.4	0.11	0.17	3.7	100
9/16/20	< 0.00028	< 0.001	< 0.001	< 0.0080	< 0.0100	< 0.0050 < 0.0050	< 0.0100			4.09	< 0.0150	< 0.0200	7.23	82	11	< 0.010	< 0.05	< 5.0	160 107
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
D - / -			L			<u> </u>	l		2 D		l					l			
9/26/18	< 0.0002	< 0.001	< 0.001	< 0.004	0.003	< 0.001	< 0.005	0.051	-2 Downstream 0.023	3.14	< 0.002	< 0.002	7.52	87	4.4	< 0.010	0.10	< 3.0	120
9/26/18	< 0.0002	< 0.001	< 0.001	< 0.004	< 0.003	< 0.001	< 0.005	< 0.051	0.023	3.14 4.4	< 0.002	< 0.002	7.52	93	8.3	< 0.010	0.10	3.7	120
9/9/19	< 0.0002	< 0.001	< 0.001	< 0.0008	< 0.01	< 0.0002	< 0.001	< 0.050	0.0366	3.98	< 0.0005	< 0.010	8.05	110	10	< 0.010	< 0.05	< 5.0	145
3/16/21		< 0.001	< 0.001	< 0.0080	< 0.0100	< 0.0050	< 0.0100	< 0.100	0.0366	4.34	< 0.0150	< 0.0200	7.37	81	8.4		0.05	6.7	
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	1.31	91	8.4	< 0.010	0.25	6.7	109
I			1			ĺ	i				i			1	1				

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

Ground Cover: Snow

LOCATION	TIME	% CH 4	% LEL	% O 2	% CO 2	H_2Sppm	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.

H₂S: 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.

[%] CH₄: Percent methane.

[%] LEL: Percent of the Lower Explosive Limit.

[%] O2: Percent oxygen.

[%] CO₂: Percent carbon dioxide.

APPENDIX C

LABORATORY ANALYTICAL REPORTS



V	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

Project #: 183TD20066

Project: Old Orebed Rd Landfill - Lanesborough, MA

Attn: Todd Donze

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

agnish Shut

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	<u>Matrix</u>	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?			\checkmark
Were samples received at a temperature of $\leq 6^{\circ}$ C?	\checkmark		
Were samples cooled on ice upon transfer to laboratory representative?	\checkmark		
Were sample containers received intact?	\checkmark		
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	\checkmark		
Were samples accompanied by a Chain of Custody document?	\checkmark		
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?	V		
Did sample container labels agree with Chain of Custody document?	\checkmark		
Were samples received within method-specific holding times?			

Summary of Hits

Reporting Limit

Units

Analytical Method

Flag

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

Result

Parameter

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 C	rebed 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 C	rebed 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	- 4			/1	
Surrate	7.4		5.0	mg/l	EPA 300_ORGFM_28D
Total Alkalinity as CaCO3 to pH 4.5	7.4		5.0 8.0	mg/l mg/l	EPA 300_ORGFM_28D SM 2320B
Total Alkalinity as CaCO3 to pH 4.5	84		8.0 30	mg/l	SM 2320B
Total Alkalinity as CaCO3 to pH 4.5 Total Dissolved Solids	84	Flag	8.0 30	mg/l mg/l	SM 2320B
Total Alkalinity as CaCO3 to pH 4.5 Total Dissolved Solids Lab ID: SC60982-04	84 140	Flag	8.0 30 Client ID: 99 Old C	mg/l mg/l Prebed Rd	SM 2320B SM 2540C_Calcd
Total Alkalinity as CaCO3 to pH 4.5 Total Dissolved Solids Lab ID: SC60982-04 Parameter	84 140 Result	Flag	8.0 30 Client ID: 99 Old C Reporting Limit	mg/l mg/l Orebed Rd Units	SM 2320B SM 2540C_Calcd Analytical Method
Total Alkalinity as CaCO3 to pH 4.5 Total Dissolved Solids Lab ID: SC60982-04 Parameter Nitrate as Nitrogen	84 140 Result 0.11	Flag	8.0 30 Client ID: 99 Old C Reporting Limit 0.01	mg/l mg/l Orebed Rd Units mg/l	SM 2320B SM 2540C_Calcd Analytical Method E300.0
Total Alkalinity as CaCO3 to pH 4.5 Total Dissolved Solids Lab ID: SC60982-04 Parameter Nitrate as Nitrogen Calcium	84 140 Result 0.11 25.6	Flag	8.0 30 Client ID: 99 Old C Reporting Limit 0.01 0.500	mg/l mg/l Orebed Rd Units mg/l mg/l	SM 2320B SM 2540C_Calcd Analytical Method E300.0 EPA 200.7
Total Alkalinity as CaCO3 to pH 4.5 Total Dissolved Solids Lab ID: SC60982-04 Parameter Nitrate as Nitrogen Calcium Zinc	84 140 Result 0.11 25.6 0.0460		8.0 30 Client ID: 99 Old Co Reporting Limit 0.01 0.500 0.0200	mg/l mg/l Drebed Rd Units mg/l mg/l mg/l	SM 2320B SM 2540C_Calcd Analytical Method E300.0 EPA 200.7 EPA 200.7
Total Alkalinity as CaCO3 to pH 4.5 Total Dissolved Solids Lab ID: SC60982-04 Parameter Nitrate as Nitrogen Calcium Zinc Barium	Result 0.11 25.6 0.0460 0.00205		8.0 30 Client ID: 99 Old Co Reporting Limit 0.01 0.500 0.0200 0.00100	mg/l mg/l Orebed Rd Units mg/l mg/l mg/l mg/l	SM 2320B SM 2540C_Calcd Analytical Method E300.0 EPA 200.7 EPA 200.7 EPA 200.8
Total Alkalinity as CaCO3 to pH 4.5 Total Dissolved Solids Lab ID: SC60982-04 Parameter Nitrate as Nitrogen Calcium Zinc Barium Copper	84 140 Result 0.11 25.6 0.0460 0.00205 0.117		8.0 30 Client ID: 99 Old Control of Contro	mg/l mg/l Drebed Rd Units mg/l mg/l mg/l mg/l mg/l	SM 2320B SM 2540C_Calcd Analytical Method E300.0 EPA 200.7 EPA 200.7 EPA 200.8 EPA 200.8
Total Alkalinity as CaCO3 to pH 4.5 Total Dissolved Solids Lab ID: SC60982-04 Parameter Nitrate as Nitrogen Calcium Zinc Barium Copper Lead	84 140 Result 0.11 25.6 0.0460 0.00205 0.117 0.00191		8.0 30 Client ID: 99 Old Control of Contro	mg/l mg/l Orebed Rd Units mg/l mg/l mg/l mg/l mg/l mg/l	SM 2320B SM 2540C_Calcd Analytical Method E300.0 EPA 200.7 EPA 200.7 EPA 200.8 EPA 200.8 EPA 200.8

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.

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Sample Identification 55 Old Orebed Rd SC60982-01					ent Project : 3TD20066		<u>Matı</u> Drinking		Collection Da 16-Mar-21			<u>ceived</u> Mar-21	
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst	Cert.
Total Metals by EPA 20 Prepared by method 0													
Preservation	Lab Preserved		N/A		1				EPA 200/6000 methods	23-Mar-21		PMH	
Total Metals by EPA 20	00 Series Metl	hods											
Silver	< 0.0100		mg/l	0.0100	1		0.1		EPA 200.7	24-Mar-21	24-Mar-21	EDT	Х
Arsenic	< 0.00100		mg/l	0.00100	1	0.01			EPA 200.8	24-Mar-21	25-Mar-21	edt	Х
Barium	0.00230		mg/l	0.00100	1	2			u u	"	25-Mar-21	"	Х
Calcium	24.5		mg/l	0.500	1				EPA 200.7	24-Mar-21	24-Mar-21	EDT	Х
Cadmium	< 0.00050		mg/l	0.00050	1	0.005			EPA 200.8	24-Mar-21	25-Mar-21	edt	Х
Chromium	< 0.00200		mg/l	0.00200	1	0.1			"	"	"	"	Х
Copper	< 0.00500		mg/l	0.00500	1	1.3	1		"	"	"		Х
Iron	0.132		mg/l	0.100	1		0.3		EPA 200.7	24-Mar-21	24-Mar-21	EDT	Х
Mercury	< 0.00030	R06	mg/l	0.00030	1	0.002			EPA 245.1	25-Mar-21	25-Mar-21	edt	Х
Manganese	0.0104		mg/l	0.00500	1		0.05		EPA 200.8	24-Mar-21	25-Mar-21	edt	Х
Sodium	4.40		mg/l	2.00	1			20	EPA 200.7	24-Mar-21	24-Mar-21	EDT	Х
Lead	< 0.00100		mg/l	0.00100	1	0.015			EPA 200.8	24-Mar-21	25-Mar-21	edt	Х
Selenium	< 0.00200		mg/l	0.00200	1	0.05			"				Х
Zinc	< 0.0200		mg/l	0.0200	1		5		EPA 200.7	24-Mar-21	25-Mar-21	PMH/ED	
Subcontracted Analyse			9.		•		-						
EPA 300 ORGFM 28 Prepared by method Nanalysis performed by E	NONE	ster Lahorat	ories Envir	onmental - N	1-P4009								
Chloride	< 1.0	sier Laborai	mg/l	2.0	5		250		EPA	23_Mar_21	23-Mar-21	Μ-ΡΔΩΩ	a
Onlonde	1.0		mg/i	2.0	3		230		300_ORGFM_28 D		19:04	W-I Adda	,
Sulfate	13		mg/l	5.0	5		250		m m	"	"	"	
EPA-DW 524.2 Prese	erved												
Analysis performed by E	Eurofins Lanca	ster Laborat	ories Envir	onmental - M	<i>I-PA009</i>								
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				m m	"	"	"	
1,4-Dichlorobenzene	< 0.10		ug/l	0.50	1	75			m m	"	"	"	
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			"		"	"	
•						100			"		"	"	
1,3-Dichloropropane	< 0.10		ug/l	0.50	1						••		

Sample Identification 55 Old Orebed Rd					ent Project 3	<u>#</u>	<u>Mata</u> Drinking	 '	Collection Da			<u>ceived</u> Mar-21
SC60982-01									10 11111 21	10.20	1,	
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst Cert
Subcontracted Analyses EPA-DW 524.2 Prese												
Analysis performed by E	urofins Lanc	aster Laborat	ories Enviro	nmental - N	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				"	"	"	II .
1,1,2-Trichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	u .
p-Isopropyltoluene	< 0.10		ug/l	0.50	1				"	"	"	u
1,2-Dichlorobenzene	< 0.10		ug/l	0.50	1	600			"	"	"	II .
di-Isopropyl ether	< 0.10		ug/l	0.50	1				u u	"	"	··
tert-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"
1,2-Dibromoethane	< 0.10		ug/l	0.50	1	0.05			n n	"	"	"
4-Chlorotoluene	< 0.20		ug/l	0.50	1				W		"	"
trans-1,3-Dichloroprope ne	< 0.10		ug/l	0.50	1				"	"	"	"
Acetone	< 3.0		ug/l	10	1			6300	u u	"	"	"
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				"	"		II .
1,2,4-Trichlorobenzene	< 0.20		ug/l	0.50	1	70			"	"		II .
N-Propylbenzene	< 0.10		ug/l	0.50	1				и	"	"	u .
t-Amyl methyl ether	< 0.10		ug/l	0.50	1			90	n n	"	"	u
Dichlorodifluoromethan e	< 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				m m	"	"	u
Toluene	< 0.10		ug/l	0.50	1	1000			m m	"	"	u
1,2-Dibromo-3-Chloropr opane	< 0.40		ug/l	1.0	1	0.2			u	"	"	"
1,3-Dichlorobenzene	< 0.10		ug/l	0.50	1				"	"	"	"
1,2-Dichloropropane	< 0.10		ug/l	0.50	1	5			u u	"	"	"
cis-1,3-Dichloropropen e	< 0.10		ug/l	0.50	1				и	"	"	"
Bromobenzene	< 0.10		ug/l	0.50	1				н	"	"	II .
1,1,1-Trichloroethane	< 0.10		ug/l	0.50	1	200			u u	"	"	"
Chloroform	< 0.10		ug/l	0.50	1			70	u u	"	"	"
Freon 113	< 0.20		ug/l	0.50	1			210000	"		"	"
1,1,1,2-Tetrachloroetha	< 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				"	"	"	u .
trans-1,2-Dichloroethen e	< 0.10		ug/l	0.50	1	100			"	"	"	н
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 55 Old Orebed Rd SC60982-01					ent Project a 3TD20066	<u>#</u>	<u>Matı</u> Drinking		Collection Da 16-Mar-21			eceived Mar-21
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst Ce
Subcontracted Analyses												
EPA-DW 524.2_Prese	rved											
Analysis performed by Ei	ırofins Lanca	ster Laborato	ries Enviro	nmental - N	A-PA009							
Methylene Chloride	< 0.30		ug/l	1.0	1	5			EPA-DW 524.2_Preserved		22-Mar-21 13:22	M-PA009
Dibromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"
1,1,2,2-Tetrachloroetha ne	< 0.10		ug/l	0.50	1				u	"	"	"
Ethyl ether	< 0.20		ug/l	0.50	1				"	"	"	"
Methyl tertiary butyl ether	< 0.10		ug/l	0.50	1		40	70	u	"	"	II .
Carbon disulfide	< 0.40		ug/l	2.0	1				"	"	"	"
1,1-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	II .
,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			"	"	"	"
richlorofluoromethane	< 0.20		ug/l	0.50	1				"	"	"	"
,1-Dichloroethane	< 0.10		ug/l	0.50	1			70	"	"	"	"
entatively Identified Compound	None		ug/l		1				"	"	"	"
Carbon tetrachloride	< 0.10		ug/l	0.50	1	5			"	"	"	"
-Butylbenzene	< 0.20		ug/l	0.50	1				"	"	"	II .
Surrogate recoveries:												
,2-Dichlorobenzene-d ! (Surr)	112		80-1	20 %					u u	"	"	"
4-Bromofluorobenzene 'Surr)	103		80-1	20 %					n	"	"	"
Prepared by method D	istill_CN											
Analysis performed by E	-	ster Laborato	ries Enviro	nmental - N	A-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 N										11.03	11.32	
Analysis performed by Ei	-	ster Laborato							011 0000	00.14		
Fotal 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 Ei	•	ster Laborato							CM	40 M 01	10 M== 01	M DAGGG
otal 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 E												
Analysis performed by Pl	hoenix Enviro	nmental Labs,	Inc. * - M	ACT007								
litrate 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 Analyse Prepared by method E												
Analysis performed by Pl	hoenix Enviro	nmental Labs,	Inc. * - M	ACT007								
,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 Prepared by method S	85 M 5220D		70-1	30 %					"	"	"	"

Sample Identific 55 Old Orebed I SC60982-01					ent Project 3TD20066	_	<u>Matr</u> Drinking		Collection D 16-Mar-21			eceived -Mar-21
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst Cert.
Subcontracted An Prepared by met	•											
Analysis performed	d by Phoenix Enviro	nmental Labs	s, Inc. * - M	ACT007								
C.O.D.	< 10		ma/l	10	1				SM 5220D-11	18-Mar-21	18-Mar-21	M-CT007

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13:55

Sample Identification 87 Old Orebed Rd SC60982-02					ent Project : 3TD20066	<u>#</u>	<u>Matı</u> Drinking		Collection Da 16-Mar-21			<u>ceived</u> Mar-21	
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst	Cert.
Total Metals by EPA 20 Prepared by method 0													
Preservation	Lab Preserved		N/A		1				EPA 200/6000 methods	23-Mar-21		PMH	
Total Metals by EPA 20	00 Series Metl	hods											
Silver	< 0.0100		mg/l	0.0100	1		0.1		EPA 200.7	24-Mar-21	24-Mar-21	EDT	Х
Arsenic	< 0.00100		mg/l	0.00100	1	0.01			EPA 200.8	24-Mar-21	25-Mar-21	edt	Х
Barium	0.00217		mg/l	0.00100	1	2			"	"	"	"	Х
Calcium	20.0		mg/l	0.500	1				EPA 200.7	24-Mar-21	24-Mar-21	EDT	Х
Cadmium	< 0.00050		mg/l	0.00050	1	0.005			EPA 200.8	24-Mar-21	25-Mar-21	edt	Х
Chromium	< 0.00200		mg/l	0.00200	1	0.1			"	"	"	"	Х
Copper	< 0.00500		mg/l	0.00500	1	1.3	1		"	"	"		Х
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	0.0		EPA 245.1		25-Mar-21	edt	X
Manganese	< 0.00500	1100	mg/l	0.00500	1	0.002	0.05		EPA 200.8		25-Mar-21	edt	X
Sodium	< 2.00		mg/l	2.00	1		0.00	20	EPA 200.7		24-Mar-21	EDT	X
Lead	< 0.00100		_	0.00100	1	0.015		20	EPA 200.8		25-Mar-21	edt	X
Selenium	< 0.00200		mg/l	0.00100	1	0.015			EFA 200.6	24-IVIdI-2 I	20-IVIAI - 2 I	eut "	X
			mg/l	0.0200	1	0.05	5			24 Mar 21	25-Mar-21		
Zinc Subcontracted Analyse	< 0.0200		mg/l	0.0200	'		5		EPA 200.7	24-Mai-2 i	20-IVIAI - 2 I	FIVIT/ED I	
Prepared by method N Analysis performed by E	NONE	ster Laborat	ories Envir	onmental - M	<i>1-P</i> 4009								
Chloride	< 1.0		mg/l	2.0	5		250		EPA 300_ORGFM_28 D		23-Mar-21 15:26	M-PA009	í
Sulfate	7.6		mg/l	5.0	5		250		"		"		
EPA-DW 524.2 Prese	erved												
Analysis performed by E	 Eurofins Lanca	ster Laborat	ories Envir	onmental - M	<i>1-PA009</i>								
o-Xylene			ug/l		1				EPA-DW 524.2_Preserved		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	< 0.20		ug/l	0.50	1	5				"	"		
p-Isopropyltoluene	< 0.10			0.50	1	J				"	"		
			ug/l			600			"	,,	,,	"	
1,2-Dichlorobenzene	< 0.10		ug/l	0.50	1	600			-	•		•	

Sample Identification 87 Old Orebed Rd SC60982-02					ent Project :	<u>#</u>	<u>Mat</u> Drinking		Collection Da 16-Mar-21			<u>ceived</u> Mar-21
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst Cert.
Subcontracted Analyse EPA-DW 524.2 Prese												
Analysis performed by E	Eurofins Lanca	ster Laborat	ories Enviro	nmental - N	<i>A-PA009</i>							
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				W.	"	"	"
1,2-Dibromoethane	< 0.10		ug/l	0.50	1	0.05			n .	"	"	"
4-Chlorotoluene	< 0.20		ug/l	0.50	1				n .	"	"	"
trans-1,3-Dichloroprope ne	< 0.10		ug/l	0.50	1				"	"	"	"
Acetone	< 3.0		ug/l	10	1			6300	"	"	"	п
4-Methyl-2-pentanone	< 0.60		ug/l	5.0	1			350	n n	"	"	"
Naphthalene	< 0.20		ug/l	0.50	1			140	W		"	"
Trichloroethene	< 0.10		ug/l	0.50	1	5			W		"	"
Acrylonitrile	< 2.0		ug/l	10	1				н	"	"	II .
1,2,3-Trichloropropane	< 0.20		ug/l	0.50	1				"	"	"	п
1,4-Dichlorobenzene	< 0.10		ug/l	0.50	1	75			н	"	"	II .
t-Butyl alcohol	< 5.0	*+	ug/l	25	1			120	н	"	"	II .
2-Chlorotoluene	< 0.10		ug/l	0.50	1				"	"	"	II .
1,2,4-Trichlorobenzene	< 0.20		ug/l	0.50	1	70			н	"	"	II .
N-Propylbenzene	< 0.10		ug/l	0.50	1				н	"	"	II .
t-Amyl methyl ether	< 0.10		ug/l	0.50	1			90	н	"	"	II .
Dichlorodifluoromethan e	< 0.20		ug/l	0.50	1			1400	n	"	"	"
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-Chloropr opane	< 0.40		ug/l	1.0	1	0.2			n	"	"	"
1,3-Dichlorobenzene	< 0.10		ug/l	0.50	1				"	"	"	II .
1,2-Dichloropropane	< 0.10		ug/l	0.50	1	5			u u	"	"	"
cis-1,3-Dichloropropen e	< 0.10		ug/l	0.50	1				и	"	"	"
Bromobenzene	< 0.10		ug/l	0.50	1				u u	"	"	"
1,1,1-Trichloroethane	< 0.10		ug/l	0.50	1	200			n n	"	"	u .
Chloroform	< 0.10		ug/l	0.50	1			70	"		"	"
Freon 113	< 0.20		ug/l	0.50	1			210000	"	"	"	"
1,1,1,2-Tetrachloroetha	< 0.10		ug/l	0.50	1				"	"	"	"
Bromomethane	< 0.10		ug/l	0.50	1			10	n n	"	"	
1,2,4-Trimethylbenzene	< 0.10		ug/l	0.50	1				n n	"	"	
1,1-Dichloroethene	< 0.10		ug/l	0.50	1	7			"	"	"	"
sec-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"
trans-1,2-Dichloroethen e	< 0.10		ug/l	0.50	1	100			n .	"	"	"
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				u u	"	"	"
1,2,3-Trichlorobenzene	< 0.20		ug/l	0.50	1				"	"	"	"

87 Old Orebed Rd SC60982-02	Orebed Rd 2-02				-	<u>#</u>					·	eceived Mar-21
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst Ce
Subcontracted Analyses												
EPA-DW 524.2 Preser	rved											
Analysis performed by Ei	183TD20066 Drinking Water 16-Mar-21 09-02											
Methylene Chloride	< 0.30		ug/l	1.0	1	5					22-Mar-21 13:47	M-PA009
Dibromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	u .
1,1,2,2-Tetrachloroetha ne	< 0.10		ug/l	0.50	1				"	"	"	"
Ethyl ether	< 0.20		ug/l	0.50	1				"	"	"	II .
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				"	"	"	"
,2-Dichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"
,3,5-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"
Benzene	< 0.10		ug/l	0.50	1	5			"	"	"	"
richlorofluoromethane	< 0.20		ug/l	0.50	1				"	"	"	"
,1-Dichloroethane	< 0.10		ug/l	0.50	1			70	"	"	"	"
entatively Identified Compound	None		ug/l		1				и	"	"	"
Carbon tetrachloride	< 0.10		ug/l	0.50	1	5			"	"	"	"
-Butylbenzene	< 0.20		ug/l	0.50	1				"	"	"	"
Surrogate recoveries:												
1,2-Dichlorobenzene-d 1 (Surr)	112		80-1	20 %					"	"	"	"
4-Bromofluorobenzene (Surr)	104		80-1	20 %					n .	"	"	"
Prepared by method D	istill_CN											
Analysis performed by Ei	ırofins Lanca	ster Laborato	ries Enviro	onmental - N	<i>A-PA009</i>							
Cyanide, Total	< 0.0050		mg/l	0.010	1	0.2			MCAWW 335.4			M-PA009
Prepared by method N	<u>ONE</u>									11:03	11:10	
Inalysis performed by Ei	ırofins Lanca	ster Laborato	ries Enviro	onmental - N	<i>A-PA009</i>							
Fotal Alkalinity as CaCO3 to pH 4.5	69		mg/l	8.0	1				SM 2320B		20-Mar-21 07:22	M-PA009
Analysis performed by Ei	ırofins Lanca	ster Laborato	ries Enviro	onmental - N	<i>A-PA009</i>							
Total Dissolved Solids	88		mg/l	30	1						19-Mar-21 11:56	M-PA009
Subcontracted Analyses Prepared by method E												
Analysis performed by Pl	noenix Enviro	nmental Labs	, Inc. * - M	IACT007								
Nitrate as Nitrogen	0.19		mg/l	0.01	1	10			E300.0		17-Mar-21 22:15	M-CT007
Subcontracted Analyse Prepared by method E												
Analysis performed by Pl	noenix Enviro	nmental Labs	, Inc. * - M	ACT007								
,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 Prepared by method S	83 M 5220D		70-1	30 %					"	"	"	"

87 Old Orebed R SC60982-02				-	ent Project 3TD20066	_	<u>Matı</u> Drinking		Collection D 16-Mar-21		<u>Received</u> 17-Mar-21
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed Analyst Cert.
Subcontracted Ana Prepared by meth	•										
Analysis performed	by Phoenix Enviro	nmental Lab	s, Inc. * - M	ACT007							
C.O.D.	< 10		mg/l	10	1				SM 5220D-11	18-Mar-21	18-Mar-21 M-CT007

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Sample Identification 95 Old Orebed Rd SC60982-03					ent Project : 3TD20066	<u>#</u>	<u>Matı</u> Drinking		Collection Da 16-Mar-21			<u>ceived</u> Mar-21	
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst	Cert.
Total Metals by EPA 20 Prepared by method 0													
Preservation	Lab Preserved		N/A		1				EPA 200/6000 methods	23-Mar-21		PMH	
Total Metals by EPA 20	0 Series Metl	hods											
Silver	< 0.0100		mg/l	0.0100	1		0.1		EPA 200.7	24-Mar-21	24-Mar-21	EDT	Χ
Arsenic	< 0.00100		mg/l	0.00100	1	0.01			EPA 200.8	24-Mar-21	25-Mar-21	edt	Х
Barium	< 0.00100		mg/l	0.00100	1	2			"	"	"	"	Х
Calcium	< 0.500		mg/l	0.500	1				EPA 200.7	24-Mar-21	24-Mar-21	EDT	Х
Cadmium	< 0.00050		mg/l	0.00050	1	0.005			EPA 200.8	24-Mar-21	25-Mar-21	edt	Х
Chromium	< 0.00200		mg/l	0.00200	1	0.1			"	"	"	"	Х
Copper	0.00526		mg/l	0.00500	1	1.3	1		"	"	"		Х
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	0.0		EPA 245.1		25-Mar-21	edt	X
Manganese	< 0.00500	1100	mg/l	0.00500	1	0.002	0.05		EPA 200.8		25-Mar-21	edt	X
Sodium	52.3		mg/l	2.00	1		0.00	20	EPA 200.7		24-Mar-21	EDT	X
Lead	< 0.00100		_	0.00100	1	0.015		20	EPA 200.7		25-Mar-21	edt	X
			mg/l		1	0.015			EFA 200.6	24-IVIdI-2 I	20-IVIAI - 2 I	eut "	X
Selenium	< 0.00200		mg/l	0.00200	1	0.03	5			24 Mar 21	25-Mar-21		
Zinc Subcontracted Analyse	< 0.0200		mg/l	0.0200	'		5		EPA 200.7	24-Mai-2 i	20-IVIAI - 2 I	FIVIT/ED I	
EPA 300 ORGFM 28 Prepared by method N Analysis performed by E	NONE	ster Laborat	ories Enviro	onmental - M	<i>1-P</i> 4009								
Sulfate	7.4		mg/l	5.0	5		250		EPA 300_ORGFM_28 D		23-Mar-21 19:47	M-PA009	ı
Chloride	12		mg/l	2.0	5		250		"	"	"		
EPA-DW 524.2 Prese			3										
Analysis performed by E		ster Lahorat	ories Envir	onmental - N	1-P4009								
, , ,	< 0.10		ug/l		1				EPA-DW 524.2_Preserved		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			0.50	1	70			"		,,		
Styrene	< 0.10		ug/l	0.50	1	100			"		"		
•			ug/l			100			"	"	"		
1,3-Dichloropropane	< 0.10		ug/l	0.50	1	2			"		"	"	
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 95 Old Orebed Rd SC60982-03					ent Project :	<u>#</u>	<u>Matr</u> Drinking		Collection Da 16-Mar-21			<u>cceived</u> Mar-21
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst Cert.
Subcontracted Analyses	s											
EPA-DW 524.2_Prese	rved											
Analysis performed by E	urofins Lanca	ster Laborate	ories Enviro	nmental - 1	M-PA009							
di-Isopropyl ether	< 0.10		ug/l	0.50	1				EPA-DW 524.2_Preserved		22-Mar-21 14:12	M-PA009
tert-Butylbenzene	< 0.10		ug/l	0.50	1				W.	"	"	"
1,2-Dibromoethane	< 0.10		ug/l	0.50	1	0.05			n .	"	"	"
4-Chlorotoluene	< 0.20		ug/l	0.50	1				n .	"	"	"
trans-1,3-Dichloroprope ne	< 0.10		ug/l	0.50	1				"	"	"	"
Acetone	< 3.0		ug/l	10	1			6300	"	"	"	II .
4-Methyl-2-pentanone	< 0.60		ug/l	5.0	1			350	n n	"	"	"
Naphthalene	< 0.20		ug/l	0.50	1			140	n n	"	"	"
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				n n	"	"	"
1,4-Dichlorobenzene	< 0.10		ug/l	0.50	1	75			n n	"	"	"
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 n	"	"	"
N-Propylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"
t-Amyl methyl ether	< 0.10		ug/l	0.50	1			90	"	"	"	"
Dichlorodifluoromethan e	< 0.20		ug/l	0.50	1			1400	"	"	"	"
Isopropylbenzene	< 0.10		ug/l	0.50	1				n n	"	"	"
Bromochloromethane	< 0.10		ug/l	0.50	1				n n	"	"	"
Bromoform	< 0.20		ug/l	0.50	1				w	"	"	"
Toluene	< 0.10		ug/l	0.50	1	1000			"	"	"	"
1,2-Dibromo-3-Chloropr opane	< 0.40		ug/l	1.0	1	0.2			"	"	"	"
1,3-Dichlorobenzene	< 0.10		ug/l	0.50	1				n n	"	"	"
1,2-Dichloropropane	< 0.10		ug/l	0.50	1	5			"	"	"	II .
cis-1,3-Dichloropropen e	< 0.10		ug/l	0.50	1				n	"	"	"
Bromobenzene	< 0.10		ug/l	0.50	1				"		"	"
1,1,1-Trichloroethane	< 0.10		ug/l	0.50	1	200			"	"	"	II .
Chloroform	< 0.10		ug/l	0.50	1			70	m m	"	"	II .
Freon 113	< 0.20		ug/l	0.50	1			210000	m m	"	"	II .
1,1,1,2-Tetrachloroetha ne	< 0.10		ug/l	0.50	1				**	"	"	н
Bromomethane	< 0.10		ug/l	0.50	1			10	"	"	"	"
1,2,4-Trimethylbenzene	< 0.10		ug/l	0.50	1				u u	"	"	"
1,1-Dichloroethene	< 0.10		ug/l	0.50	1	7			"	"	"	"
sec-Butylbenzene	< 0.10		ug/l	0.50	1				"	"	"	II .
trans-1,2-Dichloroethen e	< 0.10		ug/l	0.50	1	100			n	"	"	"
Ethylbenzene	< 0.10		ug/l	0.50	1	700			п	"	"	"
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 95 Old Orebed Rd SC60982-03					ent Project : 3TD20066	<u> </u>	<u>Matı</u> Drinking		Collection Date/Time 16-Mar-21 09:50 Method Ref. Prepare		·	eceived Mar-21
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst Ce
Subcontracted Analyses EPA-DW 524.2 Prese												
Analysis performed by E		ster Laborato	ries Enviro	onmental - N	<i>A-PA009</i>							
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				"	"	"	"
I,1,2,2-Tetrachloroetha ne	< 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				"	"	"	"
,2-Dichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"
,3,5-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"
Benzene	< 0.10		ug/l	0.50	1	5			"	"	"	"
richlorofluoromethane	< 0.20		ug/l	0.50	1				"	"	"	"
,1-Dichloroethane	< 0.10		ug/l	0.50	1			70	"	"	"	"
entatively Identified Compound	None		ug/l		1				"	"	"	"
Carbon tetrachloride	< 0.10		ug/l	0.50	1	5			"	"	"	"
-Butylbenzene	< 0.20		ug/l	0.50	1				"	"	"	"
Surrogate recoveries:												
,2-Dichlorobenzene-d ! (Surr)	113		80-1	20 %					"	"	"	"
4-Bromofluorobenzene (Surr)	107		80-1	20 %					u u	"	"	"
Prepared by method D	oistill_CN											
Analysis performed by E	urofins Lanca	ster Laborato	ries Enviro	onmental - N	<i>A-PA009</i>							
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 N												
Analysis performed by E	urofins Lanca	ster Laborato			<i>A-PA009</i>							
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
Inalysis performed by E	•	ster Laborato										
otal 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 E												
Inalysis performed by P	hoenix Enviro	nmental Labs	, Inc. * - M	IACT007								
litrate 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 Analyse Prepared by method E												
Inalysis performed by P	hoenix Enviro	nmental Labs	, Inc. * - M	ACT007								
,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 Prepared by method S	82 3M 5220D		70-1	30 %					"	"	"	"

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

SM 5220D-11 18-Mar-21 18-Mar-21 M-CT007

13:56

C.O.D.

< 10

mg/l

10

25-Mar-21 17:08 Page 17 of 33

Sample Identification 99 Old Orebed Rd SC60982-04					ent Project : 3TD20066	<u>#</u>	<u>Matr</u> Drinking		Collection Da 16-Mar-21			ceived Mar-21	
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst	Cert.
Total Metals by EPA 20 Prepared by method 0													
Preservation	Lab Preserved		N/A		1				EPA 200/6000 methods	23-Mar-21		PMH	
Total Metals by EPA 20	0 Series Metl	nods											
Silver	< 0.0100		mg/l	0.0100	1		0.1		EPA 200.7	24-Mar-21	24-Mar-21	EDT	Х
Arsenic	< 0.00100		mg/l	0.00100	1	0.01			EPA 200.8	24-Mar-21	25-Mar-21	edt	Х
Barium	0.00205		mg/l	0.00100	1	2			"	"	"	"	Х
Calcium	25.6		mg/l	0.500	1				EPA 200.7	24-Mar-21	24-Mar-21	EDT	Х
Cadmium	< 0.00050		mg/l	0.00050	1	0.005			EPA 200.8	24-Mar-21	25-Mar-21	edt	Х
Chromium	< 0.00200		mg/l	0.00200	1	0.1			"	"	"		Х
Copper	0.117	GS1, D	mg/l	0.0500	10	1.3	1		"	"	25-Mar-21	"	Х
Iron	< 0.100	00., 2	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	0.0		EPA 245.1		25-Mar-21	edt	X
Manganese	< 0.00500	1100	mg/l	0.00500	1	0.002	0.05		EPA 200.8		25-Mar-21	edt	X
Sodium	< 2.00		mg/l	2.00	1		0.00	20	EPA 200.7		24-Mar-21	EDT	X
Lead	0.00191		mg/l	0.00100	1	0.015		20	EPA 200.8		25-Mar-21	edt	X
Selenium	< 0.00200		_	0.00100	1	0.013			LFA 200.0	24-iviai-2 i	ZJ-IVIAI-Z I	eut "	X
Zinc			mg/l	0.0200	1	0.05	5		EPA 200.7	24 Mar 21	25-Mar-21		
Subcontracted Analyse	0.0460		mg/l	0.0200	'		5		EFA 200.7	24-Mai-2 i	20-IVIAI - 2 I	FIVIH/ED I	^
Prepared by method Nanalysis performed by E	NONE	ster Laborato F1			<i>1-PA009</i> 5		250		EPA	22 Mar 21	22 Mar 21	M BA000	
Chloride	< 1.0	FI	mg/l	2.0	5		250		300_ORGFM_28 D		23-Mar-21 15:50	W-PAUU9	
Sulfate	< 1.5	F1	mg/l	5.0	5		250		"		"	"	
EPA-DW 524.2 Prese	erved												
Analysis performed by E	urofins Lanca	ster Laborato	ories Envir	onmental - M	<i>I-PA009</i>								
o-Xylene	< 0.10		ug/l	0.50	1				EPA-DW 524.2_Preserved		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	J			"		"	"	
			_	0.50		600			"	"	"		
1,2-Dichlorobenzene	< 0.10		ug/l	0.50	1	000							

Sample Identification 99 Old Orebed Rd SC60982-04					ent Project i 3TD20066	<u>#</u>	<u>Mat</u> Drinking		Collection Da 16-Mar-21			<u>cceived</u> Mar-21
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst Cert.
Subcontracted Analyse EPA-DW 524.2 Prese												
Analysis performed by E	Eurofins Lanca	ster Laborat	ories Enviro	nmental - N	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				"	"	"	W .
trans-1,3-Dichloroprope ne	< 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	н	"	"	m .
Naphthalene	< 0.20		ug/l	0.50	1			140	н	"	"	II .
Trichloroethene	< 0.10		ug/l	0.50	1	5			н	"	"	"
Acrylonitrile	< 2.0		ug/l	10	1				н	"	"	II .
1,2,3-Trichloropropane	< 0.20		ug/l	0.50	1				"	"	"	II .
1,4-Dichlorobenzene	< 0.10		ug/l	0.50	1	75			н	"	"	"
t-Butyl alcohol	< 5.0	*+	ug/l	25	1			120	н	"	"	II .
2-Chlorotoluene	< 0.10		ug/l	0.50	1				н	"	"	II .
1,2,4-Trichlorobenzene	< 0.20		ug/l	0.50	1	70			н	"	"	н
N-Propylbenzene	< 0.10		ug/l	0.50	1				н	"	"	н
t-Amyl methyl ether	< 0.10		ug/l	0.50	1			90	н	"	"	II .
Dichlorodifluoromethan e	< 0.20		ug/l	0.50	1			1400	и	"	"	"
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-Chloropr opane	< 0.40		ug/l	1.0	1	0.2			u	"	"	"
1,3-Dichlorobenzene	< 0.10		ug/l	0.50	1				u u	"	"	"
1,2-Dichloropropane	< 0.10		ug/l	0.50	1	5			"		"	"
cis-1,3-Dichloropropen e	< 0.10		ug/l	0.50	1				"	"	•	"
Bromobenzene	< 0.10		ug/l	0.50	1				n n	"	"	m .
1,1,1-Trichloroethane	< 0.10		ug/l	0.50	1	200			н	"	"	"
Chloroform	< 0.10		ug/l	0.50	1			70	"	"	"	п
Freon 113	< 0.20		ug/l	0.50	1			210000	и	"	"	п
1,1,1,2-Tetrachloroetha	< 0.10		ug/l	0.50	1				"	"	"	"
Bromomethane	< 0.10		ug/l	0.50	1			10	и	"	"	п
1,2,4-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	п
1,1-Dichloroethene	< 0.10		ug/l	0.50	1	7			w	"	"	п
sec-Butylbenzene	< 0.10		ug/l	0.50	1				w	"	"	п
trans-1,2-Dichloroethen e	< 0.10		ug/l	0.50	1	100			"	"	"	II
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				"	"	"	п

Sample Identification 99 Old Orebed Rd SC60982-04					ent Project : 3TD20066	<u> </u>	<u>Matı</u> Drinking		Collection Da 16-Mar-21			eceived Mar-21
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed	Analyst Ce
Subcontracted Analyses												
EPA-DW 524.2 Prese	<u>rved</u>											
Analysis performed by Et	ırofins Lanca	ster Laborato	ries Enviro	onmental - N	A-PA009							
Methylene Chloride	< 0.30		ug/l	1.0	1	5			EPA-DW 524.2_Preserved		22-Mar-21 14:37	M-PA009
Dibromochloromethane	< 0.10		ug/l	0.50	1				"	"	"	"
1,1,2,2-Tetrachloroetha ne	< 0.10		ug/l	0.50	1				"	"	"	II
Ethyl ether	< 0.20		ug/l	0.50	1				"	"	"	II .
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				"	"	"	"
,2-Dichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"
,3,5-Trimethylbenzene	< 0.10		ug/l	0.50	1				"	"	"	"
Benzene	< 0.10		ug/l	0.50	1	5			"	"	"	"
richlorofluoromethane	< 0.20		ug/l	0.50	1				"	"	"	"
,1-Dichloroethane	< 0.10		ug/l	0.50	1			70	"	"	"	"
entatively Identified Compound	None		ug/l		1				и	"	"	"
Carbon tetrachloride	< 0.10		ug/l	0.50	1	5			"	"	"	"
-Butylbenzene	< 0.20		ug/l	0.50	1				"	"	"	"
Surrogate recoveries:												
1,2-Dichlorobenzene-d 1 (Surr)	113		80-1	20 %					"	"	"	"
4-Bromofluorobenzene (Surr)	105		80-1	20 %					"	"	"	"
Prepared by method D	istill_CN											
Analysis performed by Ei	ırofins Lanca	ster Laborato	ries Enviro	onmental - A	<i>A-PA009</i>							
Cyanide, Total	< 0.0050		mg/l	0.010	1	0.2			MCAWW 335.4			M-PA009
Prepared by method N	<u>ONE</u>									11:03	11:35	
Analysis performed by Et	ırofins Lanca	ster Laborato	ries Enviro	onmental - N	A-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
Inalysis performed by Ei	ırofins Lanca	ster Laborato	ries Enviro	onmental - 1	<i>A-PA009</i>							
otal 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 E												
Analysis performed by Pl	hoenix Enviro	nmental Labs	, Inc. * - M	ACT007								
litrate 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 Analyse Prepared by method E												
Analysis performed by Pl	hoenix Enviro	nmental Labs	, Inc. * - M	ACT007								
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 Prepared by method S	76 M 5220D		70-1	30 %					"	"	"	"

99 Old Orebed R SC60982-04				-	ent Project 3TD20066	_	<u>Matı</u> Drinking		Collection D 16-Mar-21		Received 17-Mar-21
Analyte(s)	Result	Flag	Units	*RDL	Dilution	MCL	SMCL	ORSG	Method Ref.	Prepared	Analyzed Analyst Cert.
Subcontracted Ana Prepared by meth	•										
Analysis performed	by Phoenix Enviro	nmental Lab	s, Inc. * - M	ACT007							
C.O.D.	< 10		mg/l	10	1				SM 5220D-11	18-Mar-21	18-Mar-21 M-CT007

13:56

Trip					ent Project i	_		<u>1X</u>	Collection Da			cerved	
SC60982-05				18	3TD20066		Trip B	lank	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 Analyse	es												
EPA-DW 524.2 Prese	<u>erved</u>												
Analysis performed by I	Eurofins Lanca	ister Laborato	ries Enviro		<i>A-PA009</i>								
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
1,1,2-Trichloroethane	< 0.10		ug/l	0.50	1	5			"	"	"	"	
1,1-Dichloropropene	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1,1,2-Tetrachloroetha ne	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethane	< 0.10		ug/l	0.50	1			70	"	"	"	"	
1,1,2,2-Tetrachloroetha ne	< 0.10		ug/l	0.50	1				"	"	"	"	
1,1-Dichloroethene	< 0.10		ug/l	0.50	1	7			W	"	"	"	
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-Chloropr opane	< 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			W	"	"	"	
1,3-Dichloropropane	< 0.10		ug/l	0.50	1				W	"	"	"	
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			"	"	"	"	

Client Project #

Matrix

Collection Date/Time

Received

Total Metals by EPA 200 Series Methods - Quality Control

analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
CPA 200.7										
Batch 2100987 - EPA 200 Series										
Blank (2100987-BLK1)					Pre	epared & Ar	nalyzed: 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)					Pre	epared & Ar	nalyzed: 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: SO	C60982-01	Pre	epared & Ar	nalyzed: 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: SC	C60982-01	Pre	epared & Ar	nalyzed: 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: SC				nalyzed: 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		
			9							
PA 200.8										
atch 2100988 - EPA 200 Series					_					
Blank (2100988-BLK1)					Pre	epared: 24-	Mar-21 An	alyzed: 25-M	lar-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)			_			epared: 24-		alyzed: 25-N	<u>lar-21</u>	
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		
	0.0252		mg/l	0.00050	0.0250		101	85-115		
Cadmium										
Chromium	0.0245		mg/l	0.00200	0.0250		98	85-115		
			mg/l mg/l mg/l	0.00200 0.00100 0.00100	0.0250 0.0250 0.0250		98 98 101	85-115 85-115 85-115		

Total Metals by EPA 200 Series Methods - Quality Control

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: So	C60982-03	Pro	epared: 24-l	Mar-21 An	alyzed: 25-M	lar-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
	₹0.00200		_		Б				04	20
Matrix Spike (2100988-MS1)		-	Source: So			•		alyzed: 25-M	lar-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		
atch 2101066 - EPA 200 Series										
Blank (2101066-BLK1)					Pro	epared: 24-l	Mar-21 An	alyzed: 25-M	<u>lar-21</u>	
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						
	0.00000		mg/i	0.00000	Dr	oparad: 24 l	Mar 21 An	alyzed: 25-M	lor 21	
LCS (2101066-BS1) Manganese	0.0868	D	ma a /l	0.0500	0.100	epareu. 24-i	87	85-115	<u>IdI-Z I</u>	
•	0.088	D	mg/l	0.0500						
Selenium	020		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: So	C60982-01	<u>Pr</u>	epared: 24-l	Mar-21 An	alyzed: 25-N	<u>lar-21</u>	
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: So	C60982-01	<u>P</u> ro	epared: 24-l	<u>Mar-21 A</u> n	alyzed: 25-N	<u>lar-21</u>	
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		
	¥		9,1	0_00	000	BRL	89	. 5 . 50		

Total Metals by EPA 200 Series Methods - Quality Control

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Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limi
EPA 200.8										
Batch 2101066 - EPA 200 Series										
Matrix Spike (2101066-MS1)			Source: S	C60982-01	Pr	epared: 24-l	Mar-21	Analyzed: 25-Ma	<u>r-21</u>	
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: S	C60982-01	Pr	epared: 24-l	Mar-21	Analyzed: 25-Ma	<u>r-21</u>	
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)					<u>Pr</u>	epared: 23-l	Mar-21	Analyzed: 25-Ma	<u>r-21</u>	
Mercury	< 0.00030		mg/l	0.00030						
LCS (2101063-BS1)					<u>Pr</u>	epared: 23-l	Mar-21	Analyzed: 25-Ma	r-21	
Mercury	0.00485		mg/l	0.00030	0.00500		97	85-115		
Duplicate (2101063-DUP1)			Source: S	C60982-02	Pr	epared: 23-l	Mar-21	Analyzed: 25-Ma	r-21	
Mercury	< 0.00030		mg/l	0.00030		BRL			_	20
Matrix Spike (2101063-MS1)			_	C60982-02	Pr	epared: 23-l	Mar-21	Analyzed: 25-Ma	r-21	
Mercury	0.00491		mg/l	0.00030	0.00500	BRL	98	80-120		
Post Spike (2101063-PS1)			ū	C60982-02	Pr	epared: 23-l	Mar-21	Analyzed: 25-Ma	r-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)					Pre	epared & Ar	nalyzed: 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)					Pre	epared & Ar	nalyzed: 23-	- <u>Mar-21</u>		
Sulfate	< 0.30		mg/l	0.30		•	•	-		
Chloride	< 0.20		mg/l	0.20				-		
Batch 106274 - NONE										
LCS (1062743Q)					Pre	epared & Ar	nalyzed: 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)			· ·		Pre	epared & Ar	nalyzed: 23-	-Mar-21		
Sulfate	< 0.30		mg/l	0.30	<u></u>		,0	<u>-</u>		
Chloride	< 0.20		mg/l	0.20				-		
Matrix Spike (327904S)	- 2		Source: SC		Pre	epared & Ar	nalyzed: 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: SC				nalyzed: 23-			
Chloride	< 1.0		mg/l	1.0	<u>. 10</u>	BRL	,		NC	15
Sulfate	< 1.5		mg/l	1.5		BRL		-	0.4	15
EPA-DW 524.2 Preserved			3 ··							
Batch 105609 - NONE										
					Des	anarad O Ar	aluzadi 00	Mor 21		
LCS (1056094Q) Bromochloromethane	4.00		ua/l	0.10	5.00	epared & Ar	<u>nalyzed: 22-</u> 98	70-130		
2-Chlorotoluene	4.90		ug/l					70-130 70-130		
	4.95 25.5		ug/l	0.10 0.60	5.00 25.0		99	70-130 70-130		
2-Hexanone 4-Chlorotoluene	5.00		ug/l	0.80	5.00		102 100	70-130 70-130		
4-Methyl-2-pentanone	25.5		ug/l ug/l	0.60	25.0		100	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 Triphlaraethana	5.18		ug/l	0.10	5.00		104	70-130		
1,1,2-Trichloroethane	••									
1,1,2-Michloroethane	4.56		ug/l	0.10	5.00		91	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)					Pro	epared & An	alyzed: 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)			-		Pro	epared & An	alyzed: 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 Limi
EPA-DW 524.2 Preserved										
Batch 105609 - NONE										
Blank (1056096B)					Pro	epared & Ai	nalyzed: 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	0.10				_		
Toluene	< 0.10		ug/l	0.20				_		
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	0.0				-		
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	Ele~	Units	*RDL	Spike Level	Source	%REC	%REC Limits	RPD	RPD Limit
	Result	Flag	Units	·KDL	Level	Result	70KEC	Limits	KPD	Limit
EPA-DW 524.2 Preserved										
Batch 105609 - NONE										
Blank (1056096B)					Pre	epared & Aı	nalyzed: 22	<u>-Mar-21</u>		
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)					Pre	epared: 21-	Mar-21 An	alyzed: 22-N	Лar-21	
Cyanide, Total	0.203		mg/l	0.0050	0.200	•	102	90-110		
LCS Dup (10541224AY)			Source: 10	54121AO		enared: 21-	Mar-21 An	alyzed: 22-N	/lar-21	
Cyanide, Total	0.190		mg/l	0.0050	0.200	0.203	95	90-110	7	20
	0.150		mg/i	0.0000				alyzed: 22-N	/ /ar 21	20
Blank (1054122AB)	< 0.0050		ma/l	0.0050	<u>F18</u>	epareu. Z i-	IVIAI-ZI AI	iaiyzeu. zz-ii	<u>//di-21</u>	
Cyanide, Total	< 0.0030		mg/l		Б			-	4 04	
Matrix Spike (327902S)			Source: SO					alyzed: 22-N	<u>//ar-21</u>	
Cyanide, Total	0.202		mg/l	0.0050	0.200	BRL	101	90-110		
Duplicate (327902X)			Source: SO		Pre		Mar-21 An	alyzed: 22-N		_
Cyanide, Total	< 0.0050		mg/l	0.0050		BRL		-	NC	20
SM 2320B										
Batch 105768 - NONE										
Blank (105768116B)					Pre	epared & Aı	nalyzed: 20	-Mar-21		
Total Alkalinity as CaCO3 to pH 4.5	< 2.6		mg/l	2.6				-		
LCS (105768117Q)					Pre	epared & Aı	nalyzed: 20	-Mar-21		
Total Alkalinity as CaCO3 to pH 4.5	178		mg/l	2.6	189		94	82-106		
Duplicate (327901X)			Source: SO			epared & Ai	nalyzed: 20			
Total Alkalinity as CaCO3 to pH 4.5	94.6		mg/l	2.6	<u></u>	96	.,	-	1	5
·	- ··•		J/-	-						-
SM 2540C Calcd										
Batch 105148 - NONE						_				
LCS Dup (10514820Y)			Source: 10		·		nalyzed: 19			
Total Dissolved Solids	202		mg/l	20	200	203	101	72-127	0	23

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

Analyte(s)	Result	Flag Un	its *RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>E300.0</u>									
Batch 567386A - E300.0									
Blank (CH80020-BLK)				<u>P</u>	repared & A	nalyzed: 17	'-Mar-21		
Nitrate as Nitrogen	< 0.05	mç	ı/l 0.05			BRL	-		
LCS (CH80020-LCS)				<u>P</u>	repared & A	nalyzed: 17	<u>'-Mar-21</u>		
Nitrate as Nitrogen	1.122	mę	ı/l 0.05	0312185	29	99.3	90-110		20
<u>EPA522</u>									
Batch 567401A - EPA522									
Blank (CH80092-BLK)				<u>P</u>	repared: 18	-Mar-21 Ar	nalyzed: 19-N	/lar-21	
1,4-dioxane	< 0.20	นรู	/I 0.20			ND	-		
Surrogate: % 1,4-dioxane-d8	81	uç	/I	5		81	70-130		
LCS (CH80092-LCS)				<u>P</u>	repared: 18	-Mar-21 Ar	nalyzed: 19-N	<u>//ar-21</u>	
1,4-dioxane	0.4674	ug	/I 0.20	0.5		93	70-130		20
Surrogate: % 1,4-dioxane-d8	4.025	uç	/I	5		80	70-130		
LCS Dup (CH80092-LCSD)		Source	e: CH80092-L0	<u>es</u> <u>P</u>	repared: 18	-Mar-21 Ar	nalyzed: 19-N	/lar-21	
1,4-dioxane	0.4331	นดู	/I 0.20	0.5		87	70-130	6.7	20
Surrogate: % 1,4-dioxane-d8	3.654	uç	/I	5		73	70-130		
Matrix Spike (CH80092-MS)		Source	e: SC60982-01	<u>Р</u>	repared: 18	-Mar-21 Ar	nalyzed: 19-N	/lar-21	
1,4-dioxane	0.4719	uç	/I 0.20	0.5	BRL	94	70-130		20
Surrogate: % 1,4-dioxane-d8	3.721	uç	/I	5		74	70-130		
<u>SM 5220D-11</u>									
Batch 567391A - SM 5220D									
Blank (CH80534-BLK)				<u>P</u>	repared & A	nalyzed: 18	8-Mar-21		
C.O.D.	< 10	mç	ı/l 10			BRL	-		
LCS (CH80534-LCS)				<u>P</u>	repared & A	nalyzed: 18	8-Mar-21		
C.O.D.	207.8	mę	ı/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).

<u>Laboratory Control Sample (LCS)</u>: 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.

<u>Matrix Spike</u>: 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.

<u>Method Blank</u>: 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.

<u>Surrogate</u>: 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.

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

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Environment Testing

CHAIN OF CUSTODY RECORD

Standard TAT - 7 to 10 business days

Special Handling:

ATC Pente	New England
Invoice To: Same	Page of
Project No 18372 20066 Site Name: Old Orched Road Landfill	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.

Continue Continue

Relinquished by:

Received by:

Date:

Time:

Temp °C

EDD format

E-mail to:

Tall, donze

Catassociates, con

 $\frac{1}{2}$

7

11.30

3.6

Condition upon receipt:

Ambient

Iced

Refrigerated Custody Seals:

DI VOA Frozen

Soil Jar Frozen Broken

Present

Intact

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)

<u>106212</u>

<u>Subcontracted Analyses</u>

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)

<u>210098</u>8

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)



	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

agnisk Shin

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	<u>Matrix</u>	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 corre	MRL raised to correlate to batch QC reporting limits.					
Manganese						
SC60981-02	MW-16					
MRL raised to corre	elate 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 corre	elate to batch QC reporting limits.					
Manganese						
SC60981-05	MW-103D					
MRL raised to corre	elate to batch QC reporting limits.					
Manganese						
SC60981-06	MW-104D					

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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

3/17/2021

Sample(s) received on:

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

	Yes	<u>No</u>	N/A
Were custody seals present?		\checkmark	
Were custody seals intact?			\checkmark
Were samples received at a temperature of $\leq 6^{\circ}$ C?	\checkmark		
Were samples cooled on ice upon transfer to laboratory representative?	\checkmark		
Were sample containers received intact?	\checkmark		
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	\checkmark		
Were samples accompanied by a Chain of Custody document?	\checkmark		
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?	\checkmark		
Were samples received within method-specific holding times?	\checkmark		

Summary of Hits

Lab ID:	SC60981-01	Client ID:	MW-8
Lav ID.	5000001 01	Chent ID.	171 77 0

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	$\mu g/l$	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-1011)	
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
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mg/l mg/l mg/l mg/l mg/l mg/l mg/l mg/l	E300.0 EPA 200.7 EPA 200.7 EPA 200.7 EPA 300_ORGFM_28D EPA 300_ORGFM_28D SM 2320B SM18-22 2540C
mg/l mg/l mg/l mg/l mg/l mg/l mg/l mg/l	EPA 200.7 EPA 200.7 EPA 300_ORGFM_28D EPA 300_ORGFM_28D SM 2320B
mg/l mg/l mg/l mg/l mg/l mg/l	EPA 200.7 EPA 300_ORGFM_28D EPA 300_ORGFM_28D SM 2320B
mg/l mg/l mg/l mg/l	EPA 300_ORGFM_28D EPA 300_ORGFM_28D SM 2320B
mg/l mg/l mg/l	EPA 300_ORGFM_28D SM 2320B
mg/l mg/l	SM 2320B
mg/l IW-104D	
IW-104D	SM18-22 2540C
·	
it Units	Analytical Method
mg/l	E300.0
mg/l	EPA 200.7
mg/l	EPA 200.7
mg/l	EPA 200.7
mg/l	EPA 300_ORGFM_28D
mg/l	EPA 300_ORGFM_28D
mg/l	SM 2320B
mg/l	SM18-22 2540C
μg/l	SW846 8260C
IW-104D	
it Units	Analytical Method
$\mu g/l$	SW846 8260C
-1	
it Units	Analytical Method
mg/l	E300.0
mg/l	EPA 200.7
mg/l	EPA 200.7
ma/1	EPA 200.7
1118/1	EPA 300_ORGFM_28D
mg/l	EPA 300_ORGFM_28D
	SM 2320B
mg/l	SM18-22 2540C
	mg/l mg/l mg/l

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.

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MW-8	umple Identification W-8 C60981-01				Project # 020066	<u>Matrix</u> Ground Water			Collection Date/Time 16-Mar-21 16:50			Received 17-Mar-21		
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.	
	rganic Compounds	946 9260												
	by method SW846 5030 V													
76-13-1	1,1,2-Trichlorotrifluoroetha ne (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	"	"	"	"	"	Х	
107-13-1	Acrylonitrile	< 0.50		μg/l	0.50	0.36	1	"	"	"	"	"	Χ	
71-43-2	Benzene	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Χ	
108-86-1	Bromobenzene	< 1.00		μg/l	1.00	0.40	1	"	u u	"	"	"	Χ	
74-97-5	Bromochloromethane	< 1.00		μg/l	1.00	0.39	1	"	u u	"	"	"	Χ	
75-27-4	Bromodichloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"	"	Χ	
75-25-2	Bromoform	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ	
74-83-9	Bromomethane	< 2.00		μg/l	2.00	0.63	1	"	"	"	"	"	Χ	
78-93-3	2-Butanone (MEK)	< 2.00		μg/l	2.00	0.58	1	"	"	"	"	"	Χ	
104-51-8	n-Butylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ	
135-98-8	sec-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ	
98-06-6	tert-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ	
75-15-0	Carbon disulfide	< 2.00		μg/l	2.00	0.44	1	"	"	"	"	"	Χ	
56-23-5	Carbon tetrachloride	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Х	
108-90-7	Chlorobenzene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х	
75-00-3	Chloroethane	< 2.00		μg/l	2.00	0.40	1	"	"	"	"	"	Х	
67-66-3	Chloroform	< 1.00		μg/l	1.00	0.30	1	"	u u	"	"	"	Х	
74-87-3	Chloromethane	< 2.00		μg/l	2.00	0.48	1	"	u u	"	"	"	Х	
95-49-8	2-Chlorotoluene	< 1.00		μg/l	1.00	0.43	1	"	u u	"	"	"	Х	
106-43-4	4-Chlorotoluene	< 1.00		μg/l	1.00	0.42	1	"	u u	"	"	"	Х	
96-12-8	1,2-Dibromo-3-chloroprop ane	< 2.00		μg/l	2.00	0.51	1	"	"	"	"	"	Х	
124-48-1	Dibromochloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"	"	Х	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		μg/l	0.50	0.34	1	"	"	"	"	"	Х	
74-95-3	Dibromomethane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х	
95-50-1	1,2-Dichlorobenzene	< 1.00		μg/l	1.00	0.48	1	"	"	"	"		Х	
541-73-1	1,3-Dichlorobenzene	< 1.00		μg/l	1.00	0.50	1	"	"	"	"	"	Х	
106-46-7	1,4-Dichlorobenzene	< 1.00		μg/l	1.00	0.49	1	"	"	"	"	"	Х	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.39	1	"	H .	"	"	"	Х	
75-34-3	1,1-Dichloroethane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Χ	
107-06-2	1,2-Dichloroethane	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Х	
75-35-4	1,1-Dichloroethene	< 1.00		μg/l	1.00	0.34	1	"	"	"	"	"	Х	
156-59-2	cis-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.30	1	"	"	"	"	"	Х	
156-60-5	trans-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.19	1	"	"	"	"		Х	
78-87-5	1,2-Dichloropropane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х	
142-28-9	1,3-Dichloropropane	< 1.00		μg/l	1.00	0.32	1	"	"	"	"	"	Х	
594-20-7	2,2-Dichloropropane	< 1.00		μg/l	1.00	0.49	1	II .	"	"	"	"	Х	
563-58-6	1,1-Dichloropropene	< 1.00		μg/l	1.00	0.29	1	n n	"	"	"	"	Х	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		μg/l	0.50	0.30	1	n n	"	"	"	"	Х	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		μg/l	0.50	0.37	1	n n	"	"	"	"	Х	
100-41-4	Ethylbenzene	< 1.00		μg/l	1.00	0.36	1		"	"	"	"	Х	
87-68-3	Hexachlorobutadiene	< 1.00		μg/l	1.00	0.24	1		"	"	"	"	Х	
591-78-6	2-Hexanone (MBK)	< 2.00		μg/l	2.00	0.69	1	"	"	"		"	Х	

	mple Identification		Client Project #			<u>Matrix</u>		Collection Date/Time			Received		
MW-8					020066		Ground Wa	·	-Mar-21 16		17-Mar-21		
SC60981-	01												
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Volatile Or	ganic Compounds												
√olatile Or	ganic Compounds by SW	<u>846 8260</u>											
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	"	"	"	"	"	Χ
1634-04-4	Methyl tert-butyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		μg/l	2.00	0.35	1	"	"	"	"	"	Х
75-09-2	Methylene chloride	< 2.00		μg/l	2.00	0.54	1	"	"	"	"	"	Χ
91-20-3	Naphthalene	< 2.00		μg/l	2.00	0.70	1	"	"	"	"	"	Χ
103-65-1	n-Propylbenzene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Χ
100-42-5	Styrene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"		Χ
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		μg/l	1.00	0.37	1	"	"	"	"		Χ
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		μg/l	0.50	0.46	1	"	"	"	"		Χ
127-18-4	Tetrachloroethene	< 1.00		μg/l	1.00	0.36	1		"	"	"	"	Х
108-88-3	Toluene	< 1.00		μg/l	1.00	0.28	1		"	"	"	"	Х
87-61-6	1,2,3-Trichlorobenzene	< 1.00		μg/l	1.00	0.74	1	"	"	"		"	Х
120-82-1	1,2,4-Trichlorobenzene	< 1.00		μg/l	1.00	0.70	1	"	"	"	"	"	Х
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	"	"	"	"	"	Х
79-00-5	1,1,2-Trichloroethane	< 1.00		μg/l	1.00	0.35	1	"	"	"	"	"	Х
79-01-6	Trichloroethene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		μg/l	1.00	0.23	1	"	"	"	"	"	Х
96-18-4	1,2,3-Trichloropropane	< 1.00		μg/l	1.00	0.51	1		"	"	"	"	Х
95-63-6	1,2,4-Trimethylbenzene	< 1.00		μg/l	1.00	0.46	1	"	"	"	"		Х
108-67-8	1,3,5-Trimethylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"		Х
75-01-4	Vinyl chloride	< 1.00		μg/l	1.00	0.26	1	"	"	"	"		Х
179601-23-1	m,p-Xylene	< 2.00		μg/l	2.00	0.78	1	"	"	"	"		Х
95-47-6	o-Xylene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
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	"	"	"	"	"	Х
994-05-8	Tert-amyl methyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Х
637-92-3	Ethyl tert-butyl ether	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	Х
108-20-3	Di-isopropyl ether	< 1.00		μg/l	1.00	0.26	1		"	"	"		Х
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		μg/l	10.0	8.52	1		"	"			Х
123-91-1	1,4-Dioxane	< 50.0		μg/l	50.0	7.43	1	"	"	"	"		Х
110-57-6	trans-1,4-Dichloro-2-buten	< 5.00		μg/l	5.00	0.81	1	u	"	"	"	"	Х
64-17-5	Ethanol	< 200		μg/l	200	9.08	1	"	"	"	"	"	Χ
Surrogate r	recoveries:							<u> </u>					
460-00-4	4-Bromofluorobenzene	95			70-13	0 %		"	"	"	"	"	
2037-26-5	Toluene-d8	97			70-13	0 %		п	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	109			70-13	0 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	101			70-13			п	"	"	"	"	
Tentatively	/ Identified Compounds by	GC/MS											
	Tentatively Identified Compounds	0.0		µg/l			1	SW846 8260C TICs	"	"	DDP	ıı	
	•							- *					

Sample Identification MW-8 SC60981-01			<u>Client Project #</u> 183TD20066						Collection Date/Time 16-Mar-21 16:50				
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by	GCMS											
	ne by 8270 SIM												
	by method SW846 3510C	<u>.</u>											
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 r	recoveries:												
17647-74-4	1,4-Dioxane-d-8 Surr	14			10-15	0 %		•	"	"	"	"	
	etals by EPA 200/6000 Serie												
Prepared	by method General Prep-l Filtration	Lab Filtered	MF	N/A			1	EPA 200.7/3005A/601 0	17-Mar-21 12:00		PN	2101075	
Soluble Mo	etals by EPA 200 Series Met	thods						v					
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/ED1	2100984	Χ
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	Χ
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		"	"		"	Х
7439-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1		"	"		"	Х
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	Х
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	"	"	"	"	"	Χ
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	Χ
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 C	hemistry Parameters												
	Total Dissolved Solids	438		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	X
EPA 300	ORGFM 28D												
	<u>by method NONE</u> erformed by Eurofins Lancast	tar I aboratorias	Environma	ental M.P.	1000								
16887-00-6		4.9	Environme	mg/l	2.0	1.0	5	EPA 300_ORGFM_28 D	22-Mar-21 22:44	22-Mar-21 22:44	M-PA009	105868	
	sis of EPA 300 ORGFM 2 by method NONE	<u>8D</u>											
14808-79-8		100		mg/l	50	15	50	EPA 300_ORGFM_28 D	22-Mar-21 23:00	22-Mar-21 23:00	M-PA009	105868	
Prepared	by method NONE							D					
Analysis pe	erformed by Eurofins Lancast	ter Laboratories	Environme	ental - M-PA	1009								
	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 pe	erformed by Eurofins Lancast	ter Laboratories	Environme	ental - M-PA	1009								
Prenared	Total Alkalinity as CaCO3 to pH 4.5 by method METHOD	170	F1	mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 05:39	20-Mar-21 05:39	M-PA009	105768	
	erformed by Eurofins Lancast	tar Lahovatovice	Environma	ental - M D	1000								
57-12-5	Cyanide, Total	< 0.010	ыннопте	mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:19	M-PA009	105412	

Sample Identification MW-8 SC60981-01				<u>Project #</u> 020066		<u>Matrix</u> Ground Wa		Collection Date/Time 16-Mar-21 16:50			Received 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 Envi	ronmental Labs, Ir	ac. * - MACT	7007										
14797-55-8 Nitrate as Nitrogen	0.42		mg/l	0.05	0.05	1	E300.0	17-Mar-21	17-Mar-21	M-CT007	567386 <i>A</i>	١	

22:29

22:29

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MW-16 SC60981	dentification -02				Project # 020066		<u>Matrix</u> Ground Wa	·	ection Date 5-Mar-21 11		Received 17-Mar-21		
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	Organic Compounds by SW												
Prepared 76-13-1	by method SW846 5030 V			ug/l	1.00	0.20	1	C/N/046 0260C	10 Mar 21	10 Mar 21	DDP	2101020) X
70-13-1	1,1,2-Trichlorotrifluoroetha ne (Freon 113)	< 1.00		μg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	Α
67-64-1	Acetone	< 10.0		μg/l	10.0	0.90	1		"	"	"	"	Х
107-13-1	Acrylonitrile	< 0.50		μg/l	0.50	0.36	1	"	"	"	"	"	Χ
71-43-2	Benzene	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Χ
108-86-1	Bromobenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ
74-97-5	Bromochloromethane	< 1.00		μg/l	1.00	0.39	1	"	"	"	"	"	Χ
75-27-4	Bromodichloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"	"	Χ
75-25-2	Bromoform	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
74-83-9	Bromomethane	< 2.00		μg/l	2.00	0.63	1	"	"	"	"	"	Χ
78-93-3	2-Butanone (MEK)	< 2.00		μg/l	2.00	0.58	1	"	"	"	"	"	Χ
104-51-8	n-Butylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
135-98-8	sec-Butylbenzene	< 1.00		μg/l	1.00	0.40	1		"	"	"	"	Х
98-06-6	tert-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Х
75-15-0	Carbon disulfide	< 2.00		μg/l	2.00	0.44	1	"	"	"	"	"	Х
56-23-5	Carbon tetrachloride	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Х
108-90-7	Chlorobenzene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
75-00-3	Chloroethane	< 2.00		μg/l	2.00	0.40	1	"	"	"	"	"	Х
67-66-3	Chloroform	< 1.00		μg/l	1.00	0.30	1	"	"	"	"	"	Х
74-87-3	Chloromethane	< 2.00		μg/l	2.00	0.48	1	"	"	"	"	"	Х
95-49-8	2-Chlorotoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
106-43-4	4-Chlorotoluene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"		Х
96-12-8	1,2-Dibromo-3-chloroprop ane	< 2.00		μg/l	2.00	0.51	1	"	"	u	"	ıı	X
124-48-1	Dibromochloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"	"	Х
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		μg/l	0.50	0.34	1	"	"	"	"	"	Х
74-95-3	Dibromomethane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
95-50-1	1,2-Dichlorobenzene	< 1.00		μg/l	1.00	0.48	1	"	"	"	"	"	Х
541-73-1	1,3-Dichlorobenzene	< 1.00		μg/l	1.00	0.50	1	"	"	"	"		Х
106-46-7	1,4-Dichlorobenzene	< 1.00		μg/l	1.00	0.49	1	"	"	"	"		Х
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		μg/l	2.00	0.39	1	"	"	u	"	ıı	Х
75-34-3	1,1-Dichloroethane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
107-06-2	1,2-Dichloroethane	< 1.00		μg/l	1.00	0.26	1	II .	п	"	"	"	Х
75-35-4	1,1-Dichloroethene	< 1.00		μg/l	1.00	0.34	1	"	"	"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.30	1	"	"	"	"	"	Х
156-60-5	trans-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.19	1	"	"	"	"	"	Х
78-87-5	1,2-Dichloropropane	< 1.00		μg/l	1.00	0.36	1	"	п	"	"	"	Х
142-28-9	1,3-Dichloropropane	< 1.00		μg/l	1.00	0.32	1	"	п	"	"	"	Х
594-20-7	2,2-Dichloropropane	< 1.00		μg/l	1.00	0.49	1	"	п	"	"	"	Х
563-58-6	1,1-Dichloropropene	< 1.00		μg/l	1.00	0.29	1	n	"	"	"	"	Х
10061-01-5	cis-1,3-Dichloropropene	< 0.50		μg/l	0.50	0.30	1	n	"	"	"	"	Х
10061-02-6	trans-1,3-Dichloropropene	< 0.50		μg/l	0.50	0.37	1		"	"	"	"	Х
100-41-4	Ethylbenzene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
87-68-3	Hexachlorobutadiene	< 1.00		μg/l	1.00	0.24	1	"	"	"	"	"	Х
591-78-6	2-Hexanone (MBK)	< 2.00		μg/l	2.00	0.69	1	"					Х

MW-16	nple Identification		Client Project #			<u>Matrix</u> <u>Col</u>		ection Date	Received				
~~<^^					020066		Ground Wa	·	-Mar-21 11		17-Mar-21		
SC60981-													
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cei
/olatile O	rganic Compounds												
	rganic Compounds by SW												
98-82-8	Isopropylbenzene	< 1.00		μg/l	1.00	0.38	1	SW846 8260C		19-Mar-21	DDP	2101020	
99-87-6	4-Isopropyltoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
634-04-4	Methyl tert-butyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Х
08-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		μg/l	2.00	0.35	1	"	"	"	"	"	Х
75-09-2	Methylene chloride	< 2.00		μg/l	2.00	0.54	1		"	"	"	"	Х
1-20-3	Naphthalene	< 2.00		μg/l	2.00	0.70	1	"	"	"	"	"	Х
03-65-1	n-Propylbenzene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"		Х
00-42-5	Styrene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
30-20-6	1,1,1,2-Tetrachloroethane	< 1.00		μg/l	1.00	0.37	1	"	"	"	"	"	Х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		μg/l	0.50	0.46	1	п	"	"	"	"	Х
27-18-4	Tetrachloroethene	1.44		μg/l	1.00	0.36	1	п	"	"	"	"	Х
108-88-3	Toluene	< 1.00		μg/l	1.00	0.28	1	п	"	"	"	"	Х
37-61-6	1,2,3-Trichlorobenzene	< 1.00		μg/l	1.00	0.74	1	п	"	"	"	"	Х
120-82-1	1,2,4-Trichlorobenzene	< 1.00		μg/l	1.00	0.70	1	"	"	"	"	"	Х
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	"	"	"	"	"	Х
9-00-5	1,1,2-Trichloroethane	< 1.00		μg/l	1.00	0.35	1	"	"	"	"	"	Х
9-01-6	Trichloroethene	10.4		μg/l	1.00	0.36	1	"	"	"	"	"	Х
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		μg/l	1.00	0.23	1	"	"	"	"	"	Х
96-18-4	1,2,3-Trichloropropane	< 1.00		μg/l	1.00	0.51	1	"	"	"	"		Χ
95-63-6	1,2,4-Trimethylbenzene	< 1.00		μg/l	1.00	0.46	1	"	"	"	"	"	Х
08-67-8	1,3,5-Trimethylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
75-01-4	Vinyl chloride	< 1.00		μg/l	1.00	0.26	1	"	"	"	"		Χ
79601-23-1	m,p-Xylene	< 2.00		μg/l	2.00	0.78	1	"	"	"	"	"	Χ
95-47-6	o-Xylene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Χ
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	"	"	"	"	"	Χ
994-05-8	Tert-amyl methyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
37-92-3	Ethyl tert-butyl ether	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	Χ
08-20-3	Di-isopropyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		μg/l	10.0	8.52	1	"	"	"	"	"	Χ
123-91-1	1,4-Dioxane	< 50.0		μg/l	50.0	7.43	1	"	"	"	"	"	Х
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		μg/l	5.00	0.81	1	"	"	"	"	"	Х
64-17-5	Ethanol	< 200		μg/l	200	9.08	1	"	"	"	"	"	Х
Surrogate i	recoveries:												
160-00-4	4-Bromofluorobenzene	92			70-13	0 %		п	"	"	"	"	
2037-26-5	Toluene-d8	97			70-13	0 %		"	"	"	"	"	
7060-07-0	1,2-Dichloroethane-d4	107			70-13	0 %		"	"	"	"	"	
868-53-7	Dibromofluoromethane	101			70-13	0 %		п	"	"	"	"	
<u>entativel</u>	y Identified Compounds by	GC/MS											
	Tentatively Identified Compounds	0.0		µg/l			1	SW846 8260C TICs	"	"	DDP	"	
	ile Organic Compounds by (CONTO											

Sample Id	<u>le Identification</u>		Client	Project #		Matrix	Call	ection Date	/Time	Received			
MW-16)20066		<u>Matrix</u> Ground W	<u> </u>	-Mar-21 11			Mar-21	
SC60981	-02			10311	J20000		Ground W	ater 10	-iviai-21 11	1.20	1/-	1 v 1a1-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by C	GCMS											
1,4-Dioxa	ne by 8270 SIM												
<u>Prepared</u>	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 i	recoveries:												
17647-74-4	1,4-Dioxane-d-8 Surr	40			10-15	50 %		"	"	"	"	"	
Semivolati	ile Organic Compounds by C	GC											
	nated Biphenyls by method SW846 3510C												
	Aroclor-1016	< 0.263		μg/l	0.263	0.0379	1	SW846 8082A	22-Mar-21	23-Mar-21	JMS	2101030	Х
11104-28-2	Aroclor-1221	< 0.263		μg/l	0.263	0.164	1	"	"	"	"	"	Х
11141-16-5	Aroclor-1232	< 0.263		μg/l	0.263	0.116	1	"	"	"	"		Х
53469-21-9	Aroclor-1242	< 0.263		μg/l	0.263	0.0916	1	"	"		"		Х
12672-29-6	Aroclor-1248 [2C]	4.72		μg/l	0.263	0.105	1	"	"	"	"		Х
11097-69-1	Aroclor-1254 [2C]	3.93		μg/l	0.263	0.0937	1	"	"		"		Х
11096-82-5	Aroclor-1260	< 0.263		μg/l	0.263	0.0937	1	"	"	"	"		Х
37324-23-5	Aroclor-1262	< 0.263		μg/l	0.263	0.0400	1	"			"		Х
11100-14-4	Aroclor-1268	< 0.263		μg/l	0.263	0.159	1	"	"	"	"	"	Х
Surrogate	recoveries:												
877-09-8	2,4,5,6-TC-M-Xylene (IS)	77			30-15	50 %		"	"	"	"	"	
877-09-8	2,4,5,6-TC-M-Xylene (IS) [2C]	66			30-15	50 %		п	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	31			30-15	50 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	32			30-15	50 %		"	u	"	"	"	
	etals by EPA 200/6000 Series by method General Prep-N												
•	Filtration	Lab Filtered	HT1,MF	N/A			1	EPA 200.7/3005A/601 0	17-Mar-21 12:00		PN	2101075	
Soluble M	etals by EPA 200 Series Met	hods											
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/ED	T2100984	Х
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	Х
7440-39-3	Barium	0.0127		mg/l	0.0100	0.0036	1	"	"	"	"	"	Х
7440-70-2	Calcium	75.6		mg/l	0.500	0.0679	1	"	"	"	"	"	Χ
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	Х
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	II .	"	"	"	Χ
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	Х
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	Χ
7440-23-5	Sodium	5.87		mg/l	2.00	0.248	1	п	n n	"	"	"	Χ
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	11	n	20-Mar-21	"	"	Χ
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	п	n n	"	"	"	Х
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	Χ
General C	hemistry Parameters												
	Total Dissolved Solids	368		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	Χ
Subcontra	cted Analyses												

MW-16	C60981-02			Client Project # 183TD20066			<u>Matrix</u> Ground W					ceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Subcontra	acted Analyses												
	ORGFM_28D by method NONE												
Analysis pe	erformed by Eurofins Lancast	ter Laboratories	Environmen	tal - M-PA	1009								
16887-00-6	Chloride	4.6		mg/l	2.0	1.0	5	EPA 300_ORGFM_28 D		23-Mar-21 17:51	M-PA009	106212	
14808-79-8	Sulfate	36		mg/l	5.0	1.5	5	"	u	"	"	"	
Analysis pe	erformed by Eurofins Lancast	ter Laboratories	Environmen	tal - M-PA	1009								
	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 p	erformed by Eurofins Lancast	ter Laboratories	Environmen	tal - M-PA	1009								
Drongrad	Total Alkalinity as CaCO3 to pH 4.5 by method METHOD	190		mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 06:24	20-Mar-21 06:24	M-PA009	105768	
		T l	F:	tol M.D.	1000								
57-12-5	erformed by Eurofins Lancast Cyanide, Total	< 0.010	Environmen	mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:20	M-PA009	105412	
	octed Analyses by method E300.0												
Analysis pe	erformed by Phoenix Environ	mental Labs, Inc.	* - MACTO	007									
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	ı

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Sample Id MW-18 SC60981-	dentification -03				Project # 020066		<u>Matrix</u> Ground Wa	· · · · · · · · · · · · · · · · · · ·	ection Date -Mar-21 10			eceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
Volatile O	rganic Compounds by SW	846 8260											
<u>Prepared</u>	by method SW846 5030 V	Vater MS											
76-13-1	1,1,2-Trichlorotrifluoroetha ne (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	"	"	"	"	"	Χ
107-13-1	Acrylonitrile	< 0.50		μg/l	0.50	0.36	1	"	"	"	"	"	Χ
71-43-2	Benzene	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Χ
108-86-1	Bromobenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ
74-97-5	Bromochloromethane	< 1.00		μg/l	1.00	0.39	1	"	"	"	"	"	Χ
75-27-4	Bromodichloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"	"	Χ
75-25-2	Bromoform	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
74-83-9	Bromomethane	< 2.00		μg/l	2.00	0.63	1	"	"	"	"	"	Χ
78-93-3	2-Butanone (MEK)	< 2.00		μg/l	2.00	0.58	1	"	"	"	"	"	Χ
104-51-8	n-Butylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
135-98-8	sec-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ
98-06-6	tert-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ
75-15-0	Carbon disulfide	< 2.00		μg/l	2.00	0.44	1	"	"	"	"	"	Х
56-23-5	Carbon tetrachloride	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Х
108-90-7	Chlorobenzene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
75-00-3	Chloroethane	< 2.00		μg/l	2.00	0.40	1	"	"	"	"	"	Х
67-66-3	Chloroform	< 1.00		μg/l	1.00	0.30	1	"	"	"	"	"	Х
74-87-3	Chloromethane	< 2.00		μg/l	2.00	0.48	1	"	"	"	"	"	Х
95-49-8	2-Chlorotoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
106-43-4	4-Chlorotoluene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
96-12-8	1,2-Dibromo-3-chloroprop ane	< 2.00		μg/l	2.00	0.51	1	"	"	"	"	"	Х
124-48-1	Dibromochloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"		Х
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		μg/l	0.50	0.34	1	"	"	"	"	"	Х
74-95-3	Dibromomethane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"		Х
95-50-1	1,2-Dichlorobenzene	< 1.00		μg/l	1.00	0.48	1	"	"	"		"	Х
541-73-1	1,3-Dichlorobenzene	< 1.00		μg/l	1.00	0.50	1	"	"	"	"	"	Х
106-46-7	1,4-Dichlorobenzene	< 1.00		μg/l	1.00	0.49	1	"	"	"	"	"	Х
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		μg/l	2.00	0.39	1	"	"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
107-06-2	1,2-Dichloroethane	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Х
75-35-4	1,1-Dichloroethene	< 1.00		μg/l	1.00	0.34	1	"	"	"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.30	1	u u	"	"	"	"	Х
156-60-5	trans-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.19	1	II .	п	"	"	"	Х
78-87-5	1,2-Dichloropropane	< 1.00		μg/l	1.00	0.36	1	11		"	"	"	Х
142-28-9	1,3-Dichloropropane	< 1.00		μg/l	1.00	0.32	1	11		"	"	"	Х
594-20-7	2,2-Dichloropropane	< 1.00		μg/l	1.00	0.49	1	11		"	"	"	Х
563-58-6	1,1-Dichloropropene	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	Х
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

	entification			Client F	Project #		Matrix	Colle	ection Date	Time/	Re	ceived	
MW-18					020066		Ground Wa	·	-Mar-21 10			Mar-21	
SC60981-	03												
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Volatile Or	ganic Compounds												
√olatile Or	ganic Compounds by SW	<u>846 8260</u>											
98-82-8	Isopropylbenzene	< 1.00		μg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	Χ
99-87-6	4-Isopropyltoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Χ
1634-04-4	Methyl tert-butyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		μg/l	2.00	0.35	1	"	"	"	"	"	Х
75-09-2	Methylene chloride	< 2.00		μg/l	2.00	0.54	1	"	"	"	"	"	Χ
91-20-3	Naphthalene	< 2.00		μg/l	2.00	0.70	1	"	"	"	"	"	Χ
103-65-1	n-Propylbenzene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Χ
100-42-5	Styrene	< 1.00		μg/l	1.00	0.42	1	"	"		"		Χ
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		μg/l	1.00	0.37	1	"	"		"		Χ
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		μg/l	0.50	0.46	1	"	"		"		Χ
127-18-4	Tetrachloroethene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Χ
108-88-3	Toluene	< 1.00		μg/l	1.00	0.28	1		"	u u	"	"	Χ
87-61-6	1,2,3-Trichlorobenzene	< 1.00		μg/l	1.00	0.74	1		"	u u	"	"	Χ
120-82-1	1,2,4-Trichlorobenzene	< 1.00		μg/l	1.00	0.70	1	"	"	"	"	"	Χ
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	"	"		"		Χ
79-00-5	1,1,2-Trichloroethane	< 1.00		μg/l	1.00	0.35	1	"	"	"	"	"	Χ
79-01-6	Trichloroethene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Χ
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		μg/l	1.00	0.23	1	"	"	"	"	"	Х
96-18-4	1,2,3-Trichloropropane	< 1.00		μg/l	1.00	0.51	1		"	"	"	"	Χ
95-63-6	1,2,4-Trimethylbenzene	< 1.00		μg/l	1.00	0.46	1	"	"	"			Х
108-67-8	1,3,5-Trimethylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
75-01-4	Vinyl chloride	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
179601-23-1	m,p-Xylene	< 2.00		μg/l	2.00	0.78	1	"	"	"	"	"	Х
95-47-6	o-Xylene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Χ
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	"	"	"	"		Х
994-05-8	Tert-amyl methyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
637-92-3	Ethyl tert-butyl ether	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	Χ
108-20-3	Di-isopropyl ether	< 1.00		μg/l	1.00	0.26	1	"	"		"		Х
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		μg/l	10.0	8.52	1	"	"		"		Х
123-91-1	1,4-Dioxane	< 50.0		μg/l	50.0	7.43	1	"	"		"		Х
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		μg/l	5.00	0.81	1	"	"	"	"	"	Х
64-17-5	Ethanol	< 200		μg/l	200	9.08	1	II	ıı	n	"	"	Χ
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	93			70-13	0 %		"	"	"	"	"	
2037-26-5	Toluene-d8	98			70-13	0 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	111			70-13	0 %		n n	"	"	"	"	
1868-53-7	Dibromofluoromethane	102			70-13	0 %		n n	"	"	"	"	
<u> Tentativel</u>	/ Identified Compounds by	GC/MS											
	Tentatively Identified Compounds	0.0		μg/l			1	SW846 8260C TICs	"	"	DDP	ıı	
	le Organic Compounds by (

Sample Io	dentification			Client	Project #		Moteix	Call	ection Date	/Time	D	eceived	
MW-18					D20066		Matrix Ground W		-Mar-21 10			Mar-21	
SC60981	-03			10311	J20000		Ground w	rater 10	-Wiai-21 I).1/	1 /-	iviai-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolat	ile Organic Compounds by	GCMS											
1,4-Dioxa	ne by 8270 SIM												
Prepared	by method SW846 3510C	<u>.</u>											
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			10-15	50 %		"	"	"	"	"	
Semivolat	ile Organic Compounds by	GC											
	<u>inated Biphenyls</u> by method SW846 3510C												
	Aroclor-1016	<u>′</u> < 0.263		μg/l	0.263	0.0379	1	SW846 8082A	22-Mar-21	23-Mar-21	JMS	2101030	Х
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	"		"	"		Х
53469-21-9	Aroclor-1242	< 0.263		μg/l	0.263	0.0916	1	"		"			Х
12672-29-6	Aroclor-1248	< 0.263		μg/l	0.263	0.0737	1	"		"			X
11097-69-1	Aroclor-1254	< 0.263			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 μg/l	0.263	0.159	1	"	"	"			X
Surrogate		10.200		р9/1	0.203	0.100	'						
877-09-8	2,4,5,6-TC-M-Xylene (IS)	73			30-15	50 %		"		"			
877-09-8	2,4,5,6-TC-M-Xylene (IS) [2C]	64			30-15			"	"		"	"	
2051-24-3	Decachlorobiphenyl (Sr)	40			30-15	50 %		"	"	"	"		
2051-24-3	Decachlorobiphenyl (Sr) [2C]	42			30-15			n	"	"	"	"	
	etals by EPA 200/6000 Serie by method General Prep-												
<u>гтерагец</u>	Filtration	Lab Filtered	HT1,MF	N/A			1	EPA 200.7/3005A/601 0	17-Mar-21 12:00		PN	2101075	
Soluble M	etals by EPA 200 Series Me	thods						· ·					
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/ED	T2100984	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	"	"	"	"	"	Χ
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	"	"	"	"	"	Χ
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	Х
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	Χ
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	Χ
7439-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1	"	"	"	"	"	Χ
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	"	"	"	"	"	Х
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	Х
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"		"	"	"	Х
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	Х
General C	Chemistry Parameters												
	Total Dissolved Solids	79		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	Х
Subcontra	icted Analyses												

Sample Id MW-18 SC60981-	dentification -03				<u>Project #</u> 020066		<u>Matrix</u> Ground W		ection Date -Mar-21 10			ceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
EPA 300 Prepared	cted Analyses ORGFM 28D by method NONE												
Analysis pe 16887-00-6	erformed by Eurofins Lancast Chloride	er Laboratories < 2.0	Environmen	<i>tal - M-PA</i> mg/l	2.0	1.0	5	EPA 300_ORGFM_28 D	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 pe	erformed by Eurofins Lancast	er Laboratories	Environmen	tal - M-PA	009								
	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 pe	erformed by Eurofins Lancast	er Laboratories	Environmen	tal - M-PA	009								
<u>Prepared</u>	Total Alkalinity as CaCO3 to pH 4.5 by method METHOD	63		mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 06:31	20-Mar-21 06:31	M-PA009	105768	
Analysis pe	erformed by Eurofins Lancast	er Laboratories	Environmen	tal - M-PA	009								
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	
	cted Analyses by method E300.0												
Analysis pe	erformed by Phoenix Environ	mental Labs, Inc	. * - MACTO	007									
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	١

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	D -04				Project # 020066		Matrix Ground Wa		ection Date -Mar-21 12			ceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
Volatile O	rganic Compounds by SW	846 8260											
Prepared	by method SW846 5030 V	<u>Vater MS</u>											
76-13-1	1,1,2-Trichlorotrifluoroetha ne (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	"	"	"	"	"	Χ
107-13-1	Acrylonitrile	< 0.50		μg/l	0.50	0.36	1	"	"	"	"	"	Χ
71-43-2	Benzene	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Χ
108-86-1	Bromobenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ
74-97-5	Bromochloromethane	< 1.00		μg/l	1.00	0.39	1	"	"	"	"	"	Χ
75-27-4	Bromodichloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"		"	Χ
75-25-2	Bromoform	< 1.00		μg/l	1.00	0.45	1	"	"	"	"		Х
74-83-9	Bromomethane	< 2.00		μg/l	2.00	0.63	1		"	"	"	"	Х
78-93-3	2-Butanone (MEK)	< 2.00		μg/l	2.00	0.58	1		"	"	"	"	Х
104-51-8	n-Butylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Х
135-98-8	sec-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Х
98-06-6	tert-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Х
75-15-0	Carbon disulfide	< 2.00		μg/l	2.00	0.44	1	"	"	"	"		Х
56-23-5	Carbon tetrachloride	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Х
108-90-7	Chlorobenzene	< 1.00		μg/l	1.00	0.42	1		"	"	"	"	Х
75-00-3	Chloroethane	< 2.00		μg/l	2.00	0.40	1		"	"		"	Х
67-66-3	Chloroform	< 1.00		μg/l	1.00	0.30	1	"	"	"			Х
74-87-3	Chloromethane	< 2.00		μg/l	2.00	0.48	1	"	"	"			Х
95-49-8	2-Chlorotoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"			Х
106-43-4	4-Chlorotoluene	< 1.00		μg/l	1.00	0.42	1		"	"	"		Х
96-12-8	1,2-Dibromo-3-chloroprop	< 2.00		μg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		μg/l	0.50	0.33	1		"	"			Х
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		μg/l	0.50	0.34	1		"	"	"		Х
74-95-3	Dibromomethane	< 1.00		μg/l	1.00	0.36	1		"	"	"		Х
95-50-1	1,2-Dichlorobenzene	< 1.00		μg/l	1.00	0.48	1		"	"	"		Х
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			"			Х
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	"	"	"		"	Х
107-06-2	1,2-Dichloroethane	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Х
75-35-4	1,1-Dichloroethene	< 1.00		μg/l	1.00	0.34	1	"	"	"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.30	1	"	"	"	"	"	Х
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	"		"			Х
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/I μg/I	2.00	0.24	1			"			X

	lentification			Client F	Project #		Matrix	Colle	ection Date	/Time	Re	ceived	
MW-101I					020066		Ground Wa	· · · · · · · · · · · · · · · · · · ·	-Mar-21 12			Mar-21	
SC60981-	-04			10012	20000		orouna		21 12		-,	21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Volatile O1	rganic Compounds												
√olatile Or	rganic Compounds by SW	<u>846 8260</u>											
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	"	"	"	"	"	Χ
1634-04-4	Methyl tert-butyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		μg/l	2.00	0.35	1	"	"	"	"	"	Х
75-09-2	Methylene chloride	< 2.00		μg/l	2.00	0.54	1	"	"	"	"	"	Χ
91-20-3	Naphthalene	< 2.00		μg/l	2.00	0.70	1	"	"	"	"	"	Χ
103-65-1	n-Propylbenzene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Χ
100-42-5	Styrene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"		Χ
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		μg/l	1.00	0.37	1	"	"	"	"		Χ
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		μg/l	0.50	0.46	1	"	"	"	"		Χ
127-18-4	Tetrachloroethene	< 1.00		μg/l	1.00	0.36	1		"	"	"	"	Х
108-88-3	Toluene	< 1.00		μg/l	1.00	0.28	1		"	"	"	"	Х
87-61-6	1,2,3-Trichlorobenzene	< 1.00		μg/l	1.00	0.74	1		"	"	"	"	Х
120-82-1	1,2,4-Trichlorobenzene	< 1.00		μg/l	1.00	0.70	1	"	"	"	"	"	Χ
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	"	"	"	"	"	Х
79-00-5	1,1,2-Trichloroethane	< 1.00		μg/l	1.00	0.35	1	"	"	"	"	"	Х
79-01-6	Trichloroethene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
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	"	"	"	"	"	Х
95-63-6	1,2,4-Trimethylbenzene	< 1.00		μg/l	1.00	0.46	1	"	"	"	"		Х
108-67-8	1,3,5-Trimethylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"		Х
75-01-4	Vinyl chloride	< 1.00		μg/l	1.00	0.26	1	"	"	"	"		Х
179601-23-1	m,p-Xylene	< 2.00		μg/l	2.00	0.78	1	"	"	"			Х
95-47-6	o-Xylene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
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	"	"	"		"	Х
994-05-8	Tert-amyl methyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Х
637-92-3	Ethyl tert-butyl ether	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	Х
108-20-3	Di-isopropyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Х
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		μg/l	10.0	8.52	1		"	"	"	"	Х
123-91-1	1,4-Dioxane	< 50.0		μg/l	50.0	7.43	1		"	"	"	"	Х
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		μg/l	5.00	0.81	1	u	"	n n	"	"	Х
64-17-5	Ethanol	< 200		μg/l	200	9.08	1	II	"	"	"	"	Χ
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	92			70-13	0 %		п	"	"	"	"	
2037-26-5	Toluene-d8	99			70-13	0 %		п	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	112			70-13	0 %		u u	"	"	"	"	
1868-53-7	Dibromofluoromethane	104			70-13	0 %		u u	"	"	"	"	
<u>Tentat</u> ivel	y Identified Compounds by	GC/MS											
	Tentatively Identified Compounds	0.0		μg/l			1	SW846 8260C TICs	"	"	DDP	"	

Semivolatile O 1,4-Dioxane b Prepared by r 123-91-1 1,4 Surrogate recov 17647-74-4 1,4 Soluble Metals Prepared by r Fill Soluble Metals 7440-22-4 Sil 7440-38-2 Ars	method SW846 3510C 4-Dioxane	< 0.200 26 Methods etal Lab Filtered	Flag MF	Units μg/l N/A	*RDL 0.200	0.113	Dilution 1	Method Ref. SW846 8270D SIM		Analyzed 19-Mar-21		Batch 2101024	
1,4-Dioxane b Prepared by r 123-91-1 1,4 Surrogate recon 17647-74-4 1,4 Soluble Metals Prepared by r Fill Soluble Metals 7440-22-4 Sil 7440-38-2 Ars 7440-39-3 Ba	by 8270 SIM method SW846 3510C 4-Dioxane veries: 4-Dioxane-d-8 Surr s by EPA 200/6000 Series method General Prep-M Itration s by EPA 200 Series Metholiver resenic	< 0.200 26 Methods letal Lab Filtered	MF				1		19-Mar-21	19-Mar-21	BJJ	2101024	
Prepared by r 123-91-1 1,4 Surrogate record 17647-74-4 1,4 Soluble Metals Prepared by r Fill Soluble Metals 7440-22-4 Sil 7440-38-2 Ars 7440-39-3 Ba	method SW846 3510C 4-Dioxane A-Dioxane-d-8 Surr s by EPA 200/6000 Series method General Prep-M Itration s by EPA 200 Series Meth liver	26 Methods letal Lab Filtered	MF				1		19-Mar-21	19-Mar-21	BJJ	2101024	
Surrogate recover 17647-74-4 1,4 Soluble Metals Prepared by r Filt Soluble Metals 7440-22-4 Silt 7440-38-2 Ars 7440-39-3 Ba	4-Dioxane weries: 4-Dioxane-d-8 Surr s by EPA 200/6000 Series method General Prep-M Itration s by EPA 200 Series Meth liver	26 Methods letal Lab Filtered	MF				1		19-Mar-21	19-Mar-21	BJJ	2101024	
Surrogate record 17647-74-4 1,4 Soluble Metals Prepared by r Fill Soluble Metals 7440-22-4 Sil 7440-38-2 Ars 7440-39-3 Ba	A-Dioxane-d-8 Surr s by EPA 200/6000 Series method General Prep-M ltration s by EPA 200 Series Meth lver	26 Methods letal Lab Filtered	MF				1		19-Mar-21	19-Mar-21	BJJ	2101024	
7440-39-3 Ba	4-Dioxane-d-8 Surr s by EPA 200/6000 Series method General Prep-M Itration s by EPA 200 Series Meth Iver	Methods letal Lab Filtered	MF	N/A	10-15	io %							
Soluble Metals Prepared by r Fill Soluble Metals 7440-22-4 Sil 7440-38-2 Ars 7440-39-3 Ba	s by EPA 200/6000 Series method General Prep-M Itration s by EPA 200 Series Meth Iver	Methods letal Lab Filtered	MF	N/A	10-15	0 %							
Fill Soluble Metals 7440-22-4 Sil 7440-38-2 Ars 7440-39-3 Ba	method General Prep-M Itration s by EPA 200 Series Meth Iver	letal Lab Filtered	MF	N/A				"	"	"	•	"	
Soluble Metals 7440-22-4 Sil 7440-38-2 Ars 7440-39-3 Ba	s by EPA 200 Series Meth Iver senic	nods	MF	N/A									
7440-22-4 Sil 7440-38-2 Ars 7440-39-3 Ba	lver						1	EPA 200.7/3005A/601 0	17-Mar-21 12:00		PN	2101075	
7440-38-2 Ars 7440-39-3 Ba	rsenic	< 0.0100											
7440-39-3 Ba		0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/EDT	2100984	
	arium	< 0.0080		mg/l	0.0080	0.0055	1	W .	"	"	"	"	Х
		< 0.0100		mg/l	0.0100	0.0036	1	"	"	"	"	"	Х
	alcium	26.2		mg/l	0.500	0.0679	1	"	"	"	"	"	Х
	admium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	Х
	hromium	< 0.0100		mg/l	0.0100	0.0038	1			"		"	X
	opper	< 0.0100		mg/l	0.0100	0.0058	1	"		"	"	"	X
7439-89-6 Iro		< 0.100		mg/l	0.100	0.0201	1						X
7439-97-6 Me	ercury	< 0.00030	R06	mg/l	0.00030	0.00010	1	EPA 245.1/7470A	23-Mar-21	23-Mar-21	edt	2100985	Х
7439-96-5 Ma	anganese	< 0.0100	R06	mg/l	0.0100	0.0006	1	EPA 200.7	18-Mar-21	22-Mar-21	EDT	2100984	Х
7440-23-5 So	odium	3.24		mg/l	2.00	0.248	1	"	"	"	ıı	"	Х
7439-92-1 Le	ead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21	"	"	Х
7782-49-2 Se	elenium	< 0.0300		mg/l	0.0300	0.0145	1	"	u	"	"	"	Χ
7440-66-6 Zir	nc	< 0.0200		mg/l	0.0200	0.0054	1	"	u	"	"	"	Х
General Chem	nistry Parameters												
Tot	tal Dissolved Solids	113		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	Х
Subcontracted	•												
EPA 300_OR0 Prepared by r	Method NONE												
Analysis perfor	rmed by Eurofins Lancaster	r Laboratories	Environme	ntal - M-PA	1009								
16887-00-6 Ch	nloride	< 2.0		mg/l	2.0	1.0	5	EPA 300_ORGFM_28 D	23-Mar-21 17:15	23-Mar-21 17:15	M-PA009	106212	
14808-79-8 Su	ulfate	14		mg/l	5.0	1.5	5	"		"	"	"	
Analysis perfor	rmed by Eurofins Lancaste	r Laboratories	Environme	ntal - M-PA	1009								
	hemical Oxygen emand	< 75		mg/l	75	25	1	MCAWW 410.4	19-Mar-21 08:12	19-Mar-21 08:12	M-PA009	105002	
Analysis perfor	rmed by Eurofins Lancaster	r Laboratories	Environme	ntal - M-PA	1009								
to	otal Alkalinity as CaCO3 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	
	method METHOD	u I abanatani	Farino	ntal M D	1000								
	rmed by Eurofins Lancaster vanide Total	r Laboratories < 0.010	Environme			0.0050	1	SIN/846 00124	21_Mar 24	22_Mar 24	M_DAGGG	105/12	
Subcontracted	yanide, Total	~ U.U1U		mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	11:23	IVI-PAUU9	105412	

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Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007

Sample Identification MW-101D SC60981-04				Project # 020066		<u>Matrix</u> Ground Wa		lection Date 6-Mar-21 12		-	<u>ceived</u> 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 Envi	ironmental Labs, Ir	nc. * - MACT	T007									
14797-55-8 Nitrate as Nitrogen	< 0.05		mg/l	0.05	0.05	1	E300.0	17-Mar-21	17-Mar-21	M-CT007	567387A	ı

23:12

23:12

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Sample Ic MW-1031 SC60981					Project # 020066		<u>Matrix</u> Ground Wa		ection Date -Mar-21 09			<u>ceived</u> Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds Organic Compounds by SW Dy method SW846 5030 V												
76-13-1	1,1,2-Trichlorotrifluoroetha ne (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		"	u	"	"	Х
107-13-1	Acrylonitrile	< 0.50		μg/l	0.50	0.36	1		"	u	"	"	Х
71-43-2	Benzene	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Х
108-86-1	Bromobenzene	< 1.00		μg/l	1.00	0.40	1	"	"		"		Х
74-97-5	Bromochloromethane	< 1.00		μg/l	1.00	0.39	1	"	"		"		Х
75-27-4	Bromodichloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	·	"		Х
75-25-2	Bromoform	< 1.00		μg/l	1.00	0.45	1	"	"	·	"		Х
74-83-9	Bromomethane	< 2.00		μg/l	2.00	0.63	1	"	"	"	"	"	Х
78-93-3	2-Butanone (MEK)	< 2.00		μg/l	2.00	0.58	1	"	"	"	"	"	Х
104-51-8	n-Butylbenzene	< 1.00		μg/l	1.00	0.45	1	"	u u	"	"		Х
135-98-8	sec-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"		Х
98-06-6	tert-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	u u	"	"		Х
75-15-0	Carbon disulfide	< 2.00		μg/l	2.00	0.44	1	"	"	"	"		Х
56-23-5	Carbon tetrachloride	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Х
108-90-7	Chlorobenzene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"		Х
75-00-3	Chloroethane	< 2.00		μg/l	2.00	0.40	1	"	"	"	"		Х
67-66-3	Chloroform	< 1.00		μg/l	1.00	0.30	1	"	"	u	"	"	Х
74-87-3	Chloromethane	< 2.00		μg/l	2.00	0.48	1	"	"	"	"		Х
95-49-8	2-Chlorotoluene	< 1.00		μg/l	1.00	0.43	1	"	"				Х
106-43-4	4-Chlorotoluene	< 1.00		μg/l	1.00	0.42	1	"	"		"	"	Х
96-12-8	1,2-Dibromo-3-chloroprop ane	< 2.00		μg/l	2.00	0.51	1	"	"	"	"	"	Х
124-48-1	Dibromochloromethane	< 0.50		μg/l	0.50	0.33	1	"	u u	"	"		Х
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		μg/l	0.50	0.34	1	"	u u	"	"		Х
74-95-3	Dibromomethane	< 1.00		μg/l	1.00	0.36	1	"	u u	"	"		Х
95-50-1	1,2-Dichlorobenzene	< 1.00		μg/l	1.00	0.48	1	"	u u	"	"		Х
541-73-1	1,3-Dichlorobenzene	< 1.00		μg/l	1.00	0.50	1	"	u u	"	"		Х
106-46-7	1,4-Dichlorobenzene	< 1.00		μg/l	1.00	0.49	1	"	u u	"	"		Х
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		μg/l	2.00	0.39	1	"	"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 1.00		μg/l	1.00	0.36	1	"	"	·	"		Х
107-06-2	1,2-Dichloroethane	< 1.00		μg/l	1.00	0.26	1	"	"	·	"		Х
75-35-4	1,1-Dichloroethene	< 1.00		μg/l	1.00	0.34	1	"	u u	"	"		Х
156-59-2	cis-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.30	1	"	"	·	"		Х
156-60-5	trans-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.19	1	"	"	"	"		Х
78-87-5	1,2-Dichloropropane	< 1.00		μg/l	1.00	0.36	1	ıı .	n n	"	"	"	Х
142-28-9	1,3-Dichloropropane	< 1.00		μg/l	1.00	0.32	1	ıı .	u	"	"	"	Х
594-20-7	2,2-Dichloropropane	< 1.00		μg/l	1.00	0.49	1	ıı .	u	"	"	"	Х
563-58-6	1,1-Dichloropropene	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	Х
10061-01-5	cis-1,3-Dichloropropene	< 0.50		μg/l	0.50	0.30	1	n .	"	"	"	"	Х
10061-02-6	trans-1,3-Dichloropropene	< 0.50		μg/l	0.50	0.37	1	n .	"	"	"	"	Х
100-41-4	Ethylbenzene	< 1.00		μg/l	1.00	0.36	1		"		"	"	Х
87-68-3	Hexachlorobutadiene	< 1.00		μg/l	1.00	0.24	1		"		"	"	Х
591-78-6	2-Hexanone (MBK)	< 2.00		μg/l	2.00	0.69	1	"	"	"			Х

70latile Organ 70latile Organ 8-82-8 Isc 9-87-6 4-1 634-04-4 Me 08-10-1 4-1 (M 5-09-2 Me 1-20-3 Na 03-65-1 n-1 00-42-5 Sty 30-20-6 1,7 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,3	Inalyte(s) Inic Compounds Inic Compounds by SW8 Inic Compounds by	Result 846 8260 < 1.00 < 1.00 < 1.00 < 2.00 < 2.00 < 2.00 < 1.00 < 1.00 < 1.00	Flag		20066 **RDL 1.00 1.00 1.00	MDL 0.38 0.43	Matrix Ground Wa Dilution	· · · · · · · · · · · · · · · · · · ·			17-1	Mar-21 Batch	Cert.
CAS No. An Volatile Organ (Volatile Organ 8-82-8 Isc 9-87-6 4-1 634-04-4 Me 08-10-1 4-1 (M 5-09-2 Me 03-65-1 n-1 00-42-5 Sty 30-20-6 1,7 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2 08-70-3 1,3	Inalyte(s) Inic Compounds Inic Compounds by SW8 Inic Compounds by	846 8260 < 1.00 < 1.00 < 1.00 < 2.00 < 2.00 < 2.00 < 1.00	Flag	Units µg/l µg/l µg/l	* <i>RDL</i> 1.00 1.00	0.38	Dilution 1	Method Ref.	Prepared				Cert.
70latile Organ 70latile Organ 8-82-8 Isc 9-87-6 4-1 634-04-4 Me 08-10-1 4-1 (M 5-09-2 Me 1-20-3 Na 03-65-1 n-1 00-42-5 Sty 30-20-6 1,7 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,3	nic Compounds anic Compounds by SW8 sopropylbenzene -Isopropyltoluene Methyl tert-butyl ether -Methyl-2-pentanone MIBK) Methylene chloride Iaphthalene -Propylbenzene styrene 1,1,2-Tetrachloroethane 1,2,2-Tetrachloroethane	846 8260 < 1.00 < 1.00 < 1.00 < 2.00 < 2.00 < 2.00 < 1.00	Flag	μg/l μg/l μg/l	1.00 1.00	0.38	1			Analyzed	Analyst	Batch	Cert.
Volatile Organ 8-82-8 Isc 9-87-6 4-I 634-04-4 Me 08-10-1 4-I (M 5-09-2 Me 1-20-3 Na 03-65-1 n-I 00-42-5 St 30-20-6 1,7 9-34-5 1,7 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2	anic Compounds by SW8 copropylbenzene -Isopropyltoluene Methyl tert-butyl ether -Methyl-2-pentanone MIBK) Methylene chloride Iaphthalene -Propylbenzene ctyrene 1,1,2-Tetrachloroethane 1,2,2-Tetrachloroethane	< 1.00 < 1.00 < 1.00 < 2.00 < 2.00 < 2.00 < 1.00		μg/l μg/l	1.00			SW846 8260C	40.14				
8-82-8 Isc 9-87-6 4-I 634-04-4 Me 08-10-1 4-I (M 5-09-2 Me 1-20-3 Na 03-65-1 n-I 00-42-5 St 30-20-6 1, 9-34-5 1, 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2 08-70-3 1,3	sopropylbenzene -Isopropyltoluene flethyl tert-butyl ether -Methyl-2-pentanone MIBK) flethylene chloride laphthalene -Propylbenzene styrene 1,1,2-Tetrachloroethane 1,2,2-Tetrachloroethane	< 1.00 < 1.00 < 1.00 < 2.00 < 2.00 < 2.00 < 1.00		μg/l μg/l	1.00			SW846 8260C	40.14				
9-87-6 4-I 634-04-4 Me 08-10-1 4-I (M 5-09-2 Me 1-20-3 Na 03-65-1 n-I 00-42-5 Sty 30-20-6 1,7 9-34-5 1,7 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2	-Isopropyltoluene Methyl tert-butyl ether -Methyl-2-pentanone MIBK) Methylene chloride Iaphthalene -Propylbenzene styrene 1,1,2-Tetrachloroethane 1,2,2-Tetrachloroethane	< 1.00 < 1.00 < 2.00 < 2.00 < 2.00 < 1.00		μg/l μg/l	1.00			SW846 8260C	40.14				
634-04-4 Me 08-10-1 4-I (M 5-09-2 Me 1-20-3 Na 03-65-1 n-I 00-42-5 Sty 30-20-6 1,7 9-34-5 1,7 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2 08-70-3 1,3	Methyl tert-butyl ether -Methyl-2-pentanone MIBK) Methylene chloride laphthalene -Propylbenzene styrene ,1,1,2-Tetrachloroethane	< 1.00 < 2.00 < 2.00 < 2.00 < 1.00		μg/l		0.43			19-Mar-21	19-Mar-21	DDP	2101020	X
08-10-1 4-I (M 5-09-2 Me 1-20-3 Na 03-65-1 n-I 00-42-5 Sty 30-20-6 1,1 9-34-5 1,1 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2 08-70-3 1,3	-Methyl-2-pentanone MIBK) flethylene chloride laphthalene -Propylbenzene styrene ,1,1,2-Tetrachloroethane ,1,2,2-Tetrachloroethane	< 2.00 < 2.00 < 2.00 < 1.00			1.00		1	"	"	"	"	"	X
(M) 5-09-2 Me 1-20-3 Na 03-65-1 n-I 00-42-5 Sty 30-20-6 1, 9-34-5 1, 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2	MIBK) Methylene chloride laphthalene -Propylbenzene styrene ,1,1,2-Tetrachloroethane ,1,2,2-Tetrachloroethane	< 2.00 < 2.00 < 1.00		μg/l		0.26	1	"	"	"	"	"	X
1-20-3 Na 03-65-1 n-F 00-42-5 Sty 30-20-6 1,7 9-34-5 1,7 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2	laphthalene -Propylbenzene tyrene ,1,1,2-Tetrachloroethane ,1,2,2-Tetrachloroethane	< 2.00 < 1.00			2.00	0.35	1	"	II	"	"	"	Χ
03-65-1 n-F 00-42-5 Sty 30-20-6 1, 9-34-5 1, 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2 08-70-3 1,3	-Propylbenzene styrene ,1,1,2-Tetrachloroethane ,1,2,2-Tetrachloroethane	< 1.00		μg/l	2.00	0.54	1	"	"	"	"	"	X
00-42-5 Sty 30-20-6 1,7 9-34-5 1,7 72-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,3 08-70-3 1,3	tyrene ,1,1,2-Tetrachloroethane ,1,2,2-Tetrachloroethane			μg/l	2.00	0.70	1	"	"	"	"	"	Х
30-20-6 1,7 9-34-5 1,7 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2 08-70-3 1,3	,1,1,2-Tetrachloroethane ,1,2,2-Tetrachloroethane	< 1.00		μg/l	1.00	0.36	1	"	II .	"	"	"	Х
9-34-5 1,1 27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2 08-70-3 1,3	,1,2,2-Tetrachloroethane			μg/l	1.00	0.42	1	"	u u	"	"	"	Х
27-18-4 Te 08-88-3 To 7-61-6 1,2 20-82-1 1,2 08-70-3 1,3		< 1.00		μg/l	1.00	0.37	1	"	u u	"	"	"	Х
08-88-3 To 7-61-6 1,2 20-82-1 1,2 08-70-3 1,3	etrachloroethene	< 0.50		μg/l	0.50	0.46	1	"	"	"	"	"	Х
7-61-6 1,2 20-82-1 1,2 08-70-3 1,3		< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
20-82-1 1,2 08-70-3 1,3	oluene	< 1.00		μg/l	1.00	0.28	1	"	"	"			Х
08-70-3 1,3	,2,3-Trichlorobenzene	< 1.00		μg/l	1.00	0.74	1	•	"	"	"		Х
,	,2,4-Trichlorobenzene	< 1.00		μg/l	1.00	0.70	1	•	"	"	"	"	Х
	,3,5-Trichlorobenzene	< 1.00		μg/l	1.00	0.54	1	"	"	"	"	"	
1-55-6 1,1	,1,1-Trichloroethane	< 1.00		μg/l	1.00	0.33	1	"	"	"	"	"	Х
9-00-5 1,1	,1,2-Trichloroethane	< 1.00		μg/l	1.00	0.35	1	"	"	"	"	"	Х
9-01-6 Tri	richloroethene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
	richlorofluoromethane Freon 11)	< 1.00		μg/l	1.00	0.23	1	"	п	n.	"	"	X
	,2,3-Trichloropropane	< 1.00		μg/l	1.00	0.51	1	"	"	"	"	"	Х
5-63-6 1,2	,2,4-Trimethylbenzene	< 1.00		μg/l	1.00	0.46	1	•	"	"	"	"	Х
08-67-8 1,3	,3,5-Trimethylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Х
5-01-4 Vir	inyl chloride	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Х
79601-23-1 m,	n,p-Xylene	< 2.00		μg/l	2.00	0.78	1	"	"	"	"	"	Х
5-47-6 o-)	-Xylene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
	etrahydrofuran	< 2.00		μg/l	2.00	0.70	1		"	"	"	"	
	thyl ether	< 1.00		μg/l	1.00	0.42	1		"	"	"	"	Х
	ert-amyl methyl ether	< 1.00		μg/l	1.00	0.26	1		"	"	"	"	Х
	thyl tert-butyl ether	< 1.00		μg/l	1.00	0.29	1	"	"		•		Х
	i-isopropyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"		Х
	ert-Butanol / butyl alcohol	< 10.0		μg/l	10.0	8.52	1		"	"	"		X
	,4-Dioxane	< 50.0		μg/l	50.0	7.43	1		"	"			Х
,	ans-1,4-Dichloro-2-buten	< 5.00		μg/l	5.00	0.81	1	и	"	"	"	"	X
	thanol	< 200		μg/l	200	9.08	1	n	н	"	"	"	х
Surrogate reco	overies:												
60-00-4 4-1	-Bromofluorobenzene	92			70-13	0 %		ii .	"	"	"	"	
037-26-5 To	oluene-d8	99			70-13	0 %		n .	п	"	"	"	
7060-07-0 1,2	,2-Dichloroethane-d4	112			70-13	0 %		"	"	"	"	"	
868-53-7 Dii	Dibromofluoromethane	102			70-13	0 %		"	"	"	"	"	
entatively Ide	dentified Compounds by	GC/MS											
Te	entatively Identified Compounds	0.0		μg/l			1	SW846 8260C TICs	II	"	DDP	"	
	Organic Compounds by C	CCMS						1.03					

Sample Id MW-103D	entification)				Project # D20066		<u>Matrix</u> Ground W		ection Date			<u>ceived</u> Mar-21	
SC60981-	05			10311	J20000		Ground W	ater 10	-iviai-21 0,	7.10	1 /	.viai-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Ce
Semivolatil	le Organic Compounds by (GCMS											
	ne by 8270 SIM												
	by method SW846 3510C												
23-91-1	1,4-Dioxane	< 0.200		μg/l	0.200	0.113	1	SW846 8270D SIM	19-Mar-21	19-Mar-21	BJJ	2101024	
urrogate r	ecoveries:												
7647-74-4	1,4-Dioxane-d-8 Surr	39			10-15	50 %		"	"	"	"	"	
	etals by EPA 200/6000 Serie by method General Prep-N												
roparoa	Filtration	Lab Filtered	HT1,MF	N/A			1	EPA 200.7/3005A/601 0	17-Mar-21 12:00		PN	2101075	
oluble Me	etals by EPA 200 Series Met	hods											
140-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/ED	2100984	
40-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	II .	"	"	"	"	
440-39-3	Barium	< 0.0100		mg/l	0.0100	0.0036	1	"	"	"	"	"	
140-70-2	Calcium	26.9		mg/l	0.500	0.0679	1	"	"	"	"	"	
140-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	
140-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	
140-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	
139-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1	"	"	"	"	"	
139-97-6	Mercury	< 0.00030	R06	mg/l	0.00030	0.00010	1	EPA 245.1/7470A	23-Mar-21	23-Mar-21	edt	2100985	
139-96-5	Manganese	0.0445	R06	mg/l	0.0100	0.0006	1	EPA 200.7	18-Mar-21	22-Mar-21	EDT	2100984	
140-23-5	Sodium	2.30		mg/l	2.00	0.248	1	"	"	"		"	
439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21		"	
782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"	"	
140-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	"	
eneral Cl	nemistry Parameters												
	Total Dissolved Solids	251		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	
	cted Analyses ORGFM 28D												
	oy method NONE												
nalysis pe	rformed by Eurofins Lancast	er Laboratories	Environme	ntal - M-PA	1009								
6887-00-6	Chloride	3.0		mg/l	2.0	1.0	5	EPA 300_ORGFM_28 D	23-Mar-21 15:45	23-Mar-21 15:45	M-PA009	106212	
1808-79-8	Sulfate	7.5		mg/l	5.0	1.5	5	"	"	"	"	"	
nalysis pe	rformed by Eurofins Lancast	er Laboratories	Environme	ntal - M-PA	1009								
	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	
nalysis pe	rformed by Eurofins Lancast	er Laboratories	Environme	ntal - M-PA	1009								
	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	
	by method METHOD												
	rformed by Eurofins Lancast		Environme										
7-12-5	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	
	cted Analyses by method E300.0												

Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007

Sample Identification MW-103D SC60981-05				<u>Project #</u> 020066		<u>Matrix</u> Ground Wa		ection Date 5-Mar-21 09			ceived Mar-21	
CAS No. Analyte(s)	No. Analyte(s) Result			*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses Prepared by method E300.0												
Analysis performed by Phoenix Env	vironmental Labs, In	ac. * - MACT	007									
14797-55-8 Nitrate as Nitrogen	0.14		mg/l	0.05	0.05	1	E300.0	17-Mar-21	17-Mar-21	M-CT007	567387A	1

23:16

23:16

01-Apr-21 18:05 Page 29 of 64

Sample Id MW-104 SC60981					Project # 020066		<u>Matrix</u> Ground W		ection Date 5-Mar-21 13			eceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
Volatile O	Organic Compounds by SW	846 8260											
Prepared	by method SW846 5030 V	Vater MS											
76-13-1	1,1,2-Trichlorotrifluoroetha ne (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	"	u u	"	"	"	Χ
107-13-1	Acrylonitrile	< 0.50		μg/l	0.50	0.36	1	"	"	"	"	"	Χ
71-43-2	Benzene	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Χ
108-86-1	Bromobenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ
74-97-5	Bromochloromethane	< 1.00		μg/l	1.00	0.39	1	"	u	"	"	"	Χ
75-27-4	Bromodichloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"	"	Χ
75-25-2	Bromoform	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
74-83-9	Bromomethane	< 2.00		μg/l	2.00	0.63	1	"	"	"	"	"	Χ
78-93-3	2-Butanone (MEK)	< 2.00		μg/l	2.00	0.58	1	"	"	"	"	"	Х
104-51-8	n-Butylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Х
135-98-8	sec-Butylbenzene	< 1.00		μg/l	1.00	0.40	1		"	"	"	"	Х
98-06-6	tert-Butylbenzene	< 1.00		μg/l	1.00	0.40	1		"	"	"	"	Х
75-15-0	Carbon disulfide	< 2.00		μg/l	2.00	0.44	1		"	"	"	"	Х
56-23-5	Carbon tetrachloride	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Х
108-90-7	Chlorobenzene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
75-00-3	Chloroethane	< 2.00		μg/l	2.00	0.40	1	"	"	"	"	"	Х
67-66-3	Chloroform	< 1.00		μg/l	1.00	0.30	1	"	"	"	"	"	Х
74-87-3	Chloromethane	< 2.00		μg/l	2.00	0.48	1	"	"	"	"		Х
95-49-8	2-Chlorotoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
106-43-4	4-Chlorotoluene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
96-12-8	1,2-Dibromo-3-chloroprop ane	< 2.00		μg/l	2.00	0.51	1	"	"	"	"	"	Х
124-48-1	Dibromochloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"	"	Х
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		μg/l	0.50	0.34	1	"	"	"	"		Х
74-95-3	Dibromomethane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"		Х
95-50-1	1,2-Dichlorobenzene	< 1.00		μg/l	1.00	0.48	1		"	"	"	"	Х
541-73-1	1,3-Dichlorobenzene	< 1.00		μg/l	1.00	0.50	1		"	"	"	"	Х
106-46-7	1,4-Dichlorobenzene	< 1.00		μg/l	1.00	0.49	1		"	"	"	"	Х
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		μg/l	2.00	0.39	1	"	"		"	"	Х
75-34-3	1,1-Dichloroethane	< 1.00		μg/l	1.00	0.36	1		"	"	"	"	Х
107-06-2	1,2-Dichloroethane	< 1.00		μg/l	1.00	0.26	1	ıı .	"	"	"	"	Х
75-35-4	1,1-Dichloroethene	< 1.00		μg/l	1.00	0.34	1		"	"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.30	1	п	"	"	"	"	Х
156-60-5	trans-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.19	1	"	"	"	"	"	Х
78-87-5	1,2-Dichloropropane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
142-28-9	1,3-Dichloropropane	< 1.00		μg/l	1.00	0.32	1	"	"	"	"	"	Х
594-20-7	2,2-Dichloropropane	< 1.00		μg/l	1.00	0.49	1	"	"	"	"	"	Х
563-58-6	1,1-Dichloropropene	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	• •	< 0.50		μg/l	0.50	0.30	1		"	"	"	"	X
10061-02-6		< 0.50		μg/l	0.50	0.37	1		"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00		μg/l	1.00	0.36	1	ıı .	"	"	"	"	Х
87-68-3	Hexachlorobutadiene	< 1.00		μg/l	1.00	0.24	1	ıı .	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00		μg/l	2.00	0.69	1	"			,,		X

Sample Id MW-104E SC60981-	04D 81-06 o. Analyte(s) Result				<u>Project #</u> 020066		<u>Matrix</u> Ground Wa		ection Date -Mar-21 13			ceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	ganic Compounds												
Volatile Or	ganic Compounds by SW	<u>846 8260</u>											
98-82-8	Isopropylbenzene	< 1.00		μg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	Χ
99-87-6	4-Isopropyltoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Χ
1634-04-4	Methyl tert-butyl ether	< 1.00		μg/l	1.00	0.26	1	"	u u	n n	"	"	Χ
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		μg/l	2.00	0.35	1	"	"	"	"	"	Χ
75-09-2	Methylene chloride	< 2.00		μg/l	2.00	0.54	1	"	"	"	"	"	Χ
91-20-3	Naphthalene	< 2.00		μg/l	2.00	0.70	1	"	"	"	"	"	Χ
103-65-1	n-Propylbenzene	< 1.00		μg/l	1.00	0.36	1		"	"	"	"	Χ
100-42-5	Styrene	< 1.00		μg/l	1.00	0.42	1		"	"	"	"	Χ
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		"	"	"	"	Χ
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	"	u u	"	"	"	
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	"	u u	"	"	"	X
79-01-6	Trichloroethene	264	E	μg/l	1.00	0.36	1	"	n n	n	"	"	Х
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		μg/l	1.00	0.23	1	"	"	u	"	"	Х
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	"	"	"	"	"	Х
179601-23-1	m,p-Xylene	< 2.00		μg/l	2.00	0.78	1	"	"	"	"	"	Х
95-47-6	o-Xylene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
109-99-9	Tetrahydrofuran	< 2.00		μg/l	2.00	0.70	1	"	u u	"	"	"	
60-29-7	Ethyl ether	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
994-05-8	Tert-amyl methyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Х
637-92-3	Ethyl tert-butyl ether	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	Х
108-20-3	Di-isopropyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Х
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		μg/l	10.0	8.52	1	"	"	"	"		Х
123-91-1	1,4-Dioxane	< 50.0		μg/l	50.0	7.43	1	"	"	"	"		Х
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		μg/l	5.00	0.81	1	"	"	u	"	"	X
64-17-5	Ethanol	< 200		μg/l	200	9.08	1	u	11	н	ıı	"	Х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	94			70-13	0 %		"	"	"	"	"	
2037-26-5	Toluene-d8	100			70-13	0 %		"	"	u u	"	"	
17060-07-0	1,2-Dichloroethane-d4	112			70-13	0 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	103			70-13	0 %		"	"	"	"	"	
by SW846													
Prepared I	by method SW846 5030 W 1,1,2-Trichlorotrifluoroetha	<u>/ater MS</u> < 10.0	D	μg/l	10.0	2.02	10	SW846 8260C	23-Mar-21	23-Mar-21	DDP	2101042	Х

Sample Ic MW-1041 SC60981-					Project # 020066		<u>Matrix</u> Ground Wa	·	ection Date 5-Mar-21 13			<u>ceived</u> Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Re-analys	rganic Compounds sis of Volatile Organic Com	pounds_											
by SW846			_										
67-64-1	Acetone	< 100	D	μg/l	100	9.02	10	SW846 8260C	23-Mar-21	23-Mar-21	DDP "	2101042	
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	"	"		"	"	Х
104-51-8	n-Butylbenzene	< 10.0	D	μg/l	10.0	4.50	10	"	"	"	"	"	Х
135-98-8	sec-Butylbenzene	< 10.0	D	μg/l	10.0	4.01	10	"	"	"	"	"	Х
98-06-6	tert-Butylbenzene	< 10.0	D	μg/l	10.0	4.00	10	"	"	"	"	"	Х
75-15-0	Carbon disulfide	< 20.0	D	μg/l	20.0	4.38	10	"	"	"	"	"	Х
56-23-5	Carbon tetrachloride	< 10.0	D	μg/l	10.0	2.46	10	"	"	"	"	"	Х
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	"	"	"	"	"	Х
67-66-3	Chloroform	< 10.0	D	μg/l	10.0	2.97	10	"	"	"	"	"	Χ
74-87-3	Chloromethane	< 20.0	D	μg/l	20.0	4.85	10	"	"	"	"	"	Χ
95-49-8	2-Chlorotoluene	< 10.0	D	μg/l	10.0	4.29	10	"	"	"	"	"	Χ
106-43-4	4-Chlorotoluene	< 10.0	D	μg/l	10.0	4.16	10	"	"	"	"	"	Χ
96-12-8	1,2-Dibromo-3-chloroprop ane	< 20.0	D	µg/l	20.0	5.11	10	"	"	"	"	"	Х
124-48-1	Dibromochloromethane	< 5.00	D	μg/l	5.00	3.29	10	"	"	"	"	"	Χ
106-93-4	1,2-Dibromoethane (EDB)	< 5.00	D	μg/l	5.00	3.39	10	"	"	"	"	"	Χ
74-95-3	Dibromomethane	< 10.0	D	μg/l	10.0	3.64	10	"	"	"	"	"	Χ
95-50-1	1,2-Dichlorobenzene	< 10.0	D	μg/l	10.0	4.80	10	"	"	"	"	"	Χ
541-73-1	1,3-Dichlorobenzene	< 10.0	D	μg/l	10.0	5.00	10	"	"	"	"	"	Χ
106-46-7	1,4-Dichlorobenzene	< 10.0	D	μg/l	10.0	4.87	10	"	"	"	"	"	Χ
75-71-8	Dichlorodifluoromethane (Freon12)	< 20.0	D	μg/l	20.0	3.89	10	"	"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 10.0	D	μg/l	10.0	3.62	10	"	"	"	"	"	Χ
107-06-2	1,2-Dichloroethane	< 10.0	D	μg/l	10.0	2.60	10	"	"	"	"	"	Χ
75-35-4	1,1-Dichloroethene	< 10.0	D	μg/l	10.0	3.44	10	"	"	"	"	"	Χ
156-59-2	cis-1,2-Dichloroethene	< 10.0	D	μg/l	10.0	2.97	10	"	"	"	"	"	Χ
156-60-5	trans-1,2-Dichloroethene	< 10.0	D	μg/l	10.0	1.88	10		"	"	"	"	Χ
78-87-5	1,2-Dichloropropane	< 10.0	D	μg/l	10.0	3.57	10	"	"	"	"	"	Χ
142-28-9	1,3-Dichloropropane	< 10.0	D	μg/l	10.0	3.20	10		"	"	"	"	Χ
594-20-7	2,2-Dichloropropane	< 10.0	D	μg/l	10.0	4.88	10		"	"	"	"	Χ
563-58-6	1,1-Dichloropropene	< 10.0	D	μg/l	10.0	2.86	10		"	"	"	"	Χ
10061-01-5	cis-1,3-Dichloropropene	< 5.00	D	μg/l	5.00	3.00	10	· ·	"	"	"	"	Χ
10061-02-6	trans-1,3-Dichloropropene	< 5.00	D	μg/l	5.00	3.70	10	"	"	"	"	"	Χ
100-41-4	Ethylbenzene	< 10.0	D	μg/l	10.0	3.63	10	"	"	"	"	"	Χ
87-68-3	Hexachlorobutadiene	< 10.0	D	μg/l	10.0	2.36	10	"	"	"	"	"	Х
591-78-6	2-Hexanone (MBK)	< 20.0	D	μg/l	20.0	6.87	10	"	"	"	"	"	Х
98-82-8	Isopropylbenzene	< 10.0	D	μg/l	10.0	3.76	10	· ·	"	"	"	"	Χ

MW-104I SC60981-					Project # 020066		Matrix Ground Wa		ection Date -Mar-21 13			eceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Oı	rganic Compounds												
Re-analys	sis of Volatile Organic Com	pounds											
by SW846	<u>8 8260</u>												
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	"	"	"	"	"	Х
75-09-2	Methylene chloride	< 20.0	D	μg/l	20.0	5.35	10	"	"	"	"	"	Χ
91-20-3	Naphthalene	< 20.0	D	μg/l	20.0	6.96	10	"	"	"	"	"	Х
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	"	"	"	"	"	Х
79-34-5	1,1,2,2-Tetrachloroethane	< 5.00	D	μg/l	5.00	4.57	10	"	"	"	"	"	Х
127-18-4	Tetrachloroethene	< 10.0	D	μg/l	10.0	3.64	10	"	"	"	"	"	Х
108-88-3	Toluene	< 10.0	D	μg/l	10.0	2.83	10	"	"	"	"	"	Х
87-61-6	1,2,3-Trichlorobenzene	< 10.0	D	μg/l	10.0	7.42	10	"	"	"	"	"	Х
120-82-1	1,2,4-Trichlorobenzene	< 10.0	D	μg/l	10.0	6.95	10	"	"	"	"	"	Х
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	"	"	"	"	"	Х
79-00-5	1,1,2-Trichloroethane	< 10.0	D	μg/l	10.0	3.50	10	"	"	"	"		Х
79-01-6	Trichloroethene	174	D	μg/l	10.0	3.64	10	"	"	"	"		Х
75-69-4	Trichlorofluoromethane (Freon 11)	< 10.0	D	μg/l	10.0	2.28	10	u	"	п	"	"	Χ
96-18-4	1,2,3-Trichloropropane	< 10.0	D	μg/l	10.0	5.13	10	"	"	"	"	"	Х
95-63-6	1,2,4-Trimethylbenzene	< 10.0	D	μg/l	10.0	4.62	10	"	"	"	"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 10.0	D	μg/l	10.0	4.46	10	"	"	"	"	"	Х
75-01-4	Vinyl chloride	< 10.0	D	μg/l	10.0	2.56	10	"	"	"	"	"	Х
179601-23-1	m,p-Xylene	< 20.0	D	μg/l	20.0	7.79	10	"	"	"	"	"	Х
95-47-6	o-Xylene	< 10.0	D	μg/l	10.0	4.28	10	"	"	"	"		Х
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	"	"	"	"	"	Х
994-05-8	Tert-amyl methyl ether	< 10.0	D	μg/l	10.0	2.60	10	"	"	"	"		Х
637-92-3	Ethyl tert-butyl ether	< 10.0	D	μg/l	10.0	2.93	10	"	"	"	"	"	Х
108-20-3	Di-isopropyl ether	< 10.0	D	μg/l	10.0	2.60	10	"	"	"	"	"	Х
75-65-0	Tert-Butanol / butyl alcohol	< 100	D	μg/l	100	85.2	10	"	"	"	"	"	Х
123-91-1	1,4-Dioxane	< 500	D	μg/l	500	74.3	10	"	"	"	"	"	Х
110-57-6	trans-1,4-Dichloro-2-buten e	< 50.0	D	μg/l	50.0	8.06	10	"	"	"	"	"	Χ
64-17-5	Ethanol	< 2000	D	μg/l	2000	90.8	10	n .	"	"	"	"	Х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	95			70-13	0 %		"	"	"	"	"	
2037-26-5	Toluene-d8	99			70-13	0 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	106			70-13	0 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	102			70-13	0 %		"	"	"	"	"	
	y Identified Compounds by												
Prepared	by method SW846 5030 V												
	Tentatively Identified Compounds	0.0		μg/l			1	SW846 8260C TICs	19-Mar-21	19-Mar-21	DDP	2101020	1

Sample Id	dentification			Client	Project #		Moteix	Calle	ection Date	/Tima	D.	eceived	
MW-104	D				D20066		<u>Matrix</u> Ground W		-Mar-21 13			-Mar-21	
SC60981	-06			10311	J20000		Ground w	ater 10	-1 v1a1- 21 1.	5.15	1/-	IVIAI-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolat	ile Organic Compounds by	GCMS											
	ne by 8270 SIM												
	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			10-15	50 %		"	"	"	"	"	
Semivolat	ile Organic Compounds by	GC											
	<u>inated Biphenyls</u> by method SW846 3510C												
	Aroclor-1016	< 0.263		μg/l	0.263	0.0379	1	SW846 8082A	22-Mar-21	23-Mar-21	JMS	2101030	Х
11104-28-2	Aroclor-1221	< 0.263		μg/l	0.263	0.164	1	"	"	"	"	"	Х
11141-16-5	Aroclor-1232	< 0.263		μg/l	0.263	0.116	1	"	"	"			Х
53469-21-9	Aroclor-1242	< 0.263		μg/l	0.263	0.0916	1	"		"		"	Х
12672-29-6	Aroclor-1248	< 0.263		μg/l	0.263	0.0737	1	"	"	"			Х
11097-69-1	Aroclor-1254	< 0.263		μg/l	0.263	0.114	1	"		"	"		Х
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	"		"			Х
11100-14-4	Aroclor-1268	< 0.263		μg/l	0.263	0.159	1	"	"	"			X
Surrogate		0.200			0.200	000	· · · · · · · · · · · · · · · · · · ·						
877-09-8	2,4,5,6-TC-M-Xylene (IS)	66			30-15	50 %		"		"			
877-09-8	2,4,5,6-TC-M-Xylene (IS) [2C]	58			30-15			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	32			30-15	50 %		"	"	"			
2051-24-3	Decachlorobiphenyl (Sr) [2C]	36			30-15			"	"	"	"	"	
	etals by EPA 200/6000 Serie by method General Prep-												
<u>гтерагец</u>	Filtration	Lab Filtered	MF	N/A			1	EPA 200.7/3005A/601 0	17-Mar-21 12:00		PN	2101075	
Soluble M	etals by EPA 200 Series Me	thods						O					
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/ED	T2100984	X
7440-38-2	Arsenic	< 0.0080		mg/l	0.0080	0.0055	1	n .	"	"	"	"	X
7440-39-3	Barium	< 0.0100		mg/l	0.0100	0.0036	1	"	n n	"	"	"	Х
7440-70-2	Calcium	34.5		mg/l	0.500	0.0679	1	"	"	"	"	"	Х
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	Х
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	Χ
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	Х
7439-89-6	Iron	0.139		mg/l	0.100	0.0201	1	"	"	"	"	"	Х
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	m .	"	"	"	"	Х
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	n	"	20-Mar-21	"	"	Х
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"		Х
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	"	"	"	u u	Х
General C	Chemistry Parameters												
	Total Dissolved Solids	154		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	X
Subcontra	cted Analyses												

Sample Io MW-104 SC60981	_		·	Project # TD20066		<u>Matrix</u> Ground W		ection Date -Mar-21 13			<u>ceived</u> Mar-21	
CAS No.	Analyte(s)	Result	Flag Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontra	acted Analyses											
	ORGFM 28D by method NONE											
Analysis p	erformed by Eurofins Lancast	er Laboratories Env	vironmental - M-H	24009								
16887-00-6	Chloride	7.1	mg/l	2.0	1.0	5	EPA 300_ORGFM_28 D	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	n .	"	"	"	"	
Analysis p	erformed by Eurofins Lancast	er Laboratories Env	rironmental - M-H	24009								
	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 p	erformed by Eurofins Lancast	er Laboratories Env	vironmental - M-F	24009								
Prepared	Total Alkalinity as CaCO3 to pH 4.5 by method METHOD	84	mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 06:51	20-Mar-21 06:51	M-PA009	105768	
Analysis p	erformed by Eurofins Lancast	er Laboratories Env	vironmental - M-H	24009								
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	
	ncted Analyses by method E300.0											
Analysis p	erformed by Phoenix Environ	mental 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	Λ.

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Sample Id S-1 SC60981-	dentification -07				Project # 020066		Matrix Surface Wa		ection Date 5-Mar-21 11			ceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds Organic Compounds by SW Dy method SW846 5030 V												
76-13-1	1,1,2-Trichlorotrifluoroetha ne (Freon 113)	< 1.00		μg/l	1.00	0.20	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	Х
67-64-1	Acetone	< 10.0		μg/l	10.0	0.90	1	II .	u u	"	"	"	Х
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	11	"	ıı .	"	"	Х
108-86-1	Bromobenzene	< 1.00		μg/l	1.00	0.40	1	"	u u	"	"	"	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	"	u u	"	"	"	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		"		"	"	Х
104-51-8	n-Butylbenzene	< 1.00		μg/l	1.00	0.45	1		"		"	"	Х
135-98-8	sec-Butylbenzene	< 1.00		μg/l	1.00	0.40	1		"		"		Х
98-06-6	tert-Butylbenzene	< 1.00		μg/l	1.00	0.40	1		"		"	"	Х
75-15-0	Carbon disulfide	< 2.00		μg/l	2.00	0.44	1	"	"	u	"	"	Х
56-23-5	Carbon tetrachloride	< 1.00		μg/l	1.00	0.25	1	"	"		"	"	Х
108-90-7	Chlorobenzene	< 1.00		μg/l	1.00	0.42	1	"	"	u	"	"	Х
75-00-3	Chloroethane	< 2.00		μg/l	2.00	0.40	1	"	"	"	"	"	Х
67-66-3	Chloroform	< 1.00		μg/l	1.00	0.30	1	"	"	"	"	"	Х
74-87-3	Chloromethane	< 2.00		μg/l	2.00	0.48	1	"	"	"	"	"	Х
95-49-8	2-Chlorotoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
106-43-4	4-Chlorotoluene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
96-12-8	1,2-Dibromo-3-chloroprop ane	< 2.00		μg/l	2.00	0.51	1	n .	u	"	"	"	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	"	u u	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00		μg/l	1.00	0.50	1	"	u u	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00		μg/l	1.00	0.49	1	"	u u	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		μg/l	2.00	0.39	1	u	"	"	"	u	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	"	u u	"	"	"	Х
142-28-9	1,3-Dichloropropane	< 1.00		μg/l	1.00	0.32	1	"	"	"	"	"	Х
594-20-7	2,2-Dichloropropane	< 1.00		μg/l	1.00	0.49	1	"	"	"	"	"	Х
563-58-6	1,1-Dichloropropene	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	Х
10061-01-5	cis-1,3-Dichloropropene	< 0.50		μg/l	0.50	0.30	1	"	"		"	"	Х
10061-02-6	trans-1,3-Dichloropropene	< 0.50		μg/l	0.50	0.37	1	11	n		"	"	Х
100-41-4	Ethylbenzene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
87-68-3	Hexachlorobutadiene	< 1.00		μg/l	1.00	0.24	1	"	"	"	"	"	Х
591-78-6	2-Hexanone (MBK)	< 2.00		μg/l	2.00	0.69	1	"			"		Х

Volatile Org Volatile Org 98-82-8 99-87-6 1634-04-4 108-10-1 75-09-2 91-20-3 103-65-1 100-42-5 630-20-6	Analyte(s)						Surface Wa	10	-Mar-21 11	.20	1 /-	Mar-21	
Volatile Org 98-82-8 99-87-6 4 1634-04-4 1 108-10-1 4 (75-09-2 91-20-3 1 103-65-1 1 100-42-5 630-20-6		Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cer
98-82-8 99-87-6 4 1634-04-4 108-10-1 (ganic Compounds												
99-87-6 4 1634-04-4 108-10-1 4 (75-09-2 91-20-3 103-65-1 100-42-5 5 630-20-6	anic Compounds by SW	<u>846 8260</u>											
1634-04-4 108-10-1 4 (108-10-1 108-10-1 108-10-3 103-65-1 100-42-5 100-42-5 100-42-6 100-4	Isopropylbenzene	< 1.00		μg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	Χ
108-10-1	4-Isopropyltoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Χ
(75-09-2 91-20-3 103-65-1 100-42-5 630-20-6	Methyl tert-butyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
91-20-3 103-65-1 100-42-5 630-20-6	4-Methyl-2-pentanone (MIBK)	< 2.00		μg/l	2.00	0.35	1	n	"	"	"	"	Х
103-65-1 100-42-5 630-20-6	Methylene chloride	< 2.00		μg/l	2.00	0.54	1	"	"	"	"	"	Χ
100-42-5 (Naphthalene	< 2.00		μg/l	2.00	0.70	1	"	"	"	"	"	Χ
630-20-6	n-Propylbenzene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Χ
	Styrene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Χ
70 24 5	1,1,1,2-Tetrachloroethane	< 1.00		μg/l	1.00	0.37	1	"	"	"	"	"	Χ
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		μg/l	0.50	0.46	1	"	"	"	"	"	Χ
127-18-4	Tetrachloroethene	< 1.00		μg/l	1.00	0.36	1	u u	"	"	"	"	Х
108-88-3	Toluene	< 1.00		μg/l	1.00	0.28	1	"	"	"	"	"	Χ
87-61-6	1,2,3-Trichlorobenzene	< 1.00		μg/l	1.00	0.74	1	"	"	"	"	"	Χ
120-82-1	1,2,4-Trichlorobenzene	< 1.00		μg/l	1.00	0.70	1	"	"	"	"	"	Χ
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	"	"	"	"	"	Х
79-00-5	1,1,2-Trichloroethane	< 1.00		μg/l	1.00	0.35	1	"	"	"	"	"	Χ
79-01-6	Trichloroethene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Χ
	Trichlorofluoromethane (Freon 11)	< 1.00		μg/l	1.00	0.23	1	u .	"	"	"	"	Х
96-18-4	1,2,3-Trichloropropane	< 1.00		μg/l	1.00	0.51	1	"	"	"	"	"	Χ
95-63-6	1,2,4-Trimethylbenzene	< 1.00		μg/l	1.00	0.46	1	"	"	"	"	"	Χ
108-67-8	1,3,5-Trimethylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
75-01-4	Vinyl chloride	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
179601-23-1	m,p-Xylene	< 2.00		μg/l	2.00	0.78	1	"	"	"	"	"	Χ
95-47-6	o-Xylene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Χ
109-99-9	Tetrahydrofuran	< 2.00		μg/l	2.00	0.70	1	"	"	"	"	"	
60-29-7 I	Ethyl ether	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
994-05-8	Tert-amyl methyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"		Χ
637-92-3 I	Ethyl tert-butyl ether	< 1.00		μg/l	1.00	0.29	1	w w	"	"	"	"	Х
108-20-3	Di-isopropyl ether	< 1.00		μg/l	1.00	0.26	1	W .	"	"	"	"	Х
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		μg/l	10.0	8.52	1	W .	"	"	"	"	Х
123-91-1	1,4-Dioxane	< 50.0		μg/l	50.0	7.43	1	w w	"	"	"	"	Х
	trans-1,4-Dichloro-2-buten e	< 5.00		μg/l	5.00	0.81	1	u	"	"	"	"	Х
64-17-5 I	Ethanol	< 200		μg/l	200	9.08	1	u	"	"	"	"	Χ
Surrogate red	coveries:												
460-00-4	4-Bromofluorobenzene	94			70-13	0 %		u u	"	"	"	"	
2037-26-5	Toluene-d8	99			70-13	0 %		II .	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	110			70-13	0 %		n .	"	"	"	"	
1868-53-7	Dibromofluoromethane	101			70-13	0 %		n .	"	"	"	"	
Tentatively I	Identified Compounds by	GC/MS											
-	Tentatively Identified Compounds	0.0		μg/l			1	SW846 8260C TICs	"	"	DDP	"	

Semivalatile Organic Compounds by GCMS 1.4-Dioxane by 8270 SIM Prepared by method SW946 3510C 123-91-1			ection Date/Time -Mar-21 11:20		eceived 7-Mar-21	
1.4-Dioxane by 8270 SIM Prepared by method SW0464 3510C 1.4-Dioxane do Surviva 1.4-Dioxane do Surviva 1.4-Dioxane do Surviva 37 10-150 % 1	f. Prepar	Method Ref.	Prepared Analy	ed Analys	st Batch	Cei
Prepared by method SW846 3510C 123-91-1						
123-91-1						
Sumgate recoveries:						
10-150 Name-of-8 Surr 37 10-150 Name-of-8 Surr 10-150 Name-of-8 Surr Name-o	D 19-Mar-		19-Mar-21 19-Ma	-21 BJJ	2101024	1
Soluble Metals by EPA 200/6000 Series Methods Fritation Lab Filtered HT1,MF N/A						
Proper P	"	"	" "	"	"	
Filtration						
Add Part P		200.7/3005A/601	17-Mar-21 12:00	PN	2101075	5
Arsenic						
Name	18-Mar-	EPA 200.7	18-Mar-21 20-Ma	-21 PMH/EC)T2100984	4 X
Total Dissolved Solids	"	"	" "	"	"	×
Add Add	"	"	" "	"	"	×
Chromium	"	"	" "	"	"	>
Add Solution Compared Com	"	"	" "	"	")
1439-89-6 Iron	"	"	" "	"	"	>
Addition	"	"	" "	"	"	>
245.1/7470A 247.2470A 248.247470A 249. 249. 249.00 248. 1 249.00.7 240.23-5 249.24 249. 249.04 249. 249.04 249. 249.04 249. 249.04 249. 249.04 249.0	"	"	" "	"	")
Mark		EPA 245.1/7470A	23-Mar-21 25-Ma	-21 edt	2100985	5 >
Taylog	18-Mar-	EPA 200.7	18-Mar-21 22-Ma	-21 EDT	2100984	4 >
Tread-12 Lead	"	"	" "	"	"	>
Total Dissolved Solids	"	"	" 20-Ma	-21 "	"	>
General Chemistry Parameters Total Dissolved Solids 107 mg/l 5 3 1 SM18-22 2540 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_ D 14808-79-8 Sulfate 6.7 mg/l 5.0 1.5 5 " Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Chemical Oxygen < 75 mg/l 75 25 1 MCAWW 410. Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Total Alkalinity as CaCO3 82 mg/l 8.0 2.6 1 SM 2320B to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009	"	"	" "	"	"	>
Total Dissolved Solids 107 mg/l 5 3 1 SM18-22 2540	"	"	" "	"	"	×
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_ D 14808-79-8 Sulfate 6.7 mg/l 5.0 1.5 5 " Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Chemical Oxygen < 75 mg/l 75 25 1 MCAWW 410. Demand Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Total Alkalinity as CaCO3 82 mg/l 8.0 2.6 1 SM 2320B to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009						
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_ D 14808-79-8 Sulfate 6.7 mg/l 5.0 1.5 5 " Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Chemical Oxygen < 75 mg/l 75 25 1 MCAWW 410. Demand Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Total Alkalinity as CaCO3 82 mg/l 8.0 2.6 1 SM 2320B to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009	0C 23-Mar-	SM18-22 2540C	23-Mar-21 25-Ma	-21 PN	2100986	3 X
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_ D 14808-79-8 Sulfate 6.7 mg/l 5.0 1.5 5 " Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Chemical Oxygen < 75 mg/l Demand Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Total Alkalinity as CaCO3 82 mg/l to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Total Alkalinity as CaCO3 82 mg/l 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_ D 14808-79-8 Sulfate 6.7 mg/l 5.0 1.5 5 " Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Chemical Oxygen < 75 mg/l Demand Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Total Alkalinity as CaCO3 82 mg/l 5.0 2.6 1 SM 2320B to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009						
300_ORGFM D 14808-79-8 Sulfate 6.7 mg/l 5.0 1.5 5 " Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Chemical Oxygen < 75 mg/l 75 25 1 MCAWW 410. Demand Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Total Alkalinity as CaCO3 82 mg/l 8.0 2.6 1 SM 2320B to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009						
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Chemical Oxygen < 75 mg/l 75 25 1 MCAWW 410. Demand Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Total Alkalinity as CaCO3 82 mg/l 8.0 2.6 1 SM 2320B to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009		300_ORGFM_28	23-Mar-21 23-Mar 14:14 14:1		9 106212	
Chemical Oxygen < 75 mg/l 75 25 1 MCAWW 410. Demand Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Total Alkalinity as CaCO3 82 mg/l 8.0 2.6 1 SM 2320B to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009	"		" "	п	"	
Demand Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009 Total Alkalinity as CaCO3 82 mg/l 8.0 2.6 1 SM 2320B to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009						
Total Alkalinity as CaCO3 82 mg/l 8.0 2.6 1 SM 2320B to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009		MCAWW 410.4	19-Mar-21 19-Mar 08:12 08:1		9 105002	
to pH 4.5 Prepared by method METHOD Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009						
Analysis performed by Eurofins Lancaster Laboratories Environmental - M-PA009		SM 2320B	20-Mar-21 20-Mar 06:57 06:5)9 105768	
o/-12-5 Gvanide, jotal < 0.010 mg/l 0.010 0.0050 1 SW846 9012/		014/04000000	04 M . 04 . 05 . 1	04 14 5:5:	00 405::-	
3		SW846 9012A	21-Mar-21 22-Mar 11:03 11:2		105412	

Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007

Scample Identification S-1 SC60981-07				Project # 020066		Matrix Surface Wa		lection Date 6-Mar-21 11			<u>ceived</u> 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 Envi	ronmental Labs, I	nc. * - MACT	7007									
14797-55-8 Nitrate as Nitrogen	0.25		mg/l	0.05	0.05	1	E300.0	17-Mar-21	17-Mar-21	M-CT007	567387 <i>P</i>	١

23:25

23:25

01-Apr-21 18:05 Page 39 of 64

Sample Io S-2 SC60981	dentification -08				Project # 020066		Matrix Surface Wa		ection Date 5-Mar-21 11			eceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
Volatile O	rganic Compounds by SW	846 8260											
Prepared	by method SW846 5030 V	Vater MS											
76-13-1	1,1,2-Trichlorotrifluoroetha ne (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	"	"	"	"	"	Χ
107-13-1	Acrylonitrile	< 0.50		μg/l	0.50	0.36	1	"	"	"	"	"	Χ
71-43-2	Benzene	< 1.00		μg/l	1.00	0.25	1	"	"	"	"	"	Χ
108-86-1	Bromobenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ
74-97-5	Bromochloromethane	< 1.00		μg/l	1.00	0.39	1	"	"	"	"	"	Χ
75-27-4	Bromodichloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"	"	Χ
75-25-2	Bromoform	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
74-83-9	Bromomethane	< 2.00		μg/l	2.00	0.63	1	"	"	"	"	"	Χ
78-93-3	2-Butanone (MEK)	< 2.00		μg/l	2.00	0.58	1	"	"	"	"	"	Χ
104-51-8	n-Butylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
135-98-8	sec-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ
98-06-6	tert-Butylbenzene	< 1.00		μg/l	1.00	0.40	1	"	"	"	"	"	Χ
75-15-0	Carbon disulfide	< 2.00		μg/l	2.00	0.44	1	"	u u	"	"	"	Х
56-23-5	Carbon tetrachloride	< 1.00		μg/l	1.00	0.25	1	"	u u	"	"	"	Х
108-90-7	Chlorobenzene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
75-00-3	Chloroethane	< 2.00		μg/l	2.00	0.40	1	"	"	"	"	"	Х
67-66-3	Chloroform	< 1.00		μg/l	1.00	0.30	1	"	"	"	"	"	Х
74-87-3	Chloromethane	< 2.00		μg/l	2.00	0.48	1	"	"	"	"	"	Х
95-49-8	2-Chlorotoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
106-43-4	4-Chlorotoluene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
96-12-8	1,2-Dibromo-3-chloroprop ane	< 2.00		μg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50		μg/l	0.50	0.33	1	"	u u	"	"	"	Х
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		μg/l	0.50	0.34	1	"	u u	"	"	"	Х
74-95-3	Dibromomethane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"		Х
95-50-1	1,2-Dichlorobenzene	< 1.00		μg/l	1.00	0.48	1	"	"	"	"	"	Х
541-73-1	1,3-Dichlorobenzene	< 1.00		μg/l	1.00	0.50	1		"	"	"	"	Х
106-46-7	1,4-Dichlorobenzene	< 1.00		μg/l	1.00	0.49	1		"	"	"	"	Х
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		μg/l	2.00	0.39	1	"	w	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
107-06-2	1,2-Dichloroethane	< 1.00		μg/l	1.00	0.26	1		"	"	"	"	Х
75-35-4	1,1-Dichloroethene	< 1.00		μg/l	1.00	0.34	1	ıı .	"	"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.30	1	"	u u	"	"	"	Х
156-60-5	trans-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.19	1	"	"	"		"	Х
78-87-5	1,2-Dichloropropane	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Х
142-28-9	1,3-Dichloropropane	< 1.00		μg/l	1.00	0.32	1	"	"	"	"	"	Х
594-20-7	2,2-Dichloropropane	< 1.00		μg/l	1.00	0.49	1	"	"	"		"	Х
563-58-6	1,1-Dichloropropene	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	Х
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	"	"	"		"	Х
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

Volatile Org Volatile Org 98-82-8 99-87-6 1634-04-4 108-10-1 75-09-2 91-20-3	Analyte(s) ganic Compounds ganic Compounds by SW8 Isopropylbenzene 4-Isopropyltoluene Methyl tert-butyl ether 4-Methyl-2-pentanone (MIBK) Methylene chloride	Result 846 8260 < 1.00 < 1.00 < 1.00	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	
Volatile Org 98-82-8 99-87-6 1634-04-4 108-10-1 75-09-2 91-20-3	ganic Compounds by SW8 Isopropylbenzene 4-Isopropyltoluene Methyl tert-butyl ether 4-Methyl-2-pentanone (MIBK)	< 1.00 < 1.00									1277411751	Butter	Ceri
98-82-8 99-87-6 1634-04-4 108-10-1 75-09-2 91-20-3	Isopropylbenzene 4-Isopropyltoluene Methyl tert-butyl ether 4-Methyl-2-pentanone (MIBK)	< 1.00 < 1.00											
99-87-6 1634-04-4 108-10-1 75-09-2 91-20-3	4-Isopropyltoluene Methyl tert-butyl ether 4-Methyl-2-pentanone (MIBK)	< 1.00											
1634-04-4 108-10-1 75-09-2 91-20-3	Methyl tert-butyl ether 4-Methyl-2-pentanone (MIBK)			μg/l	1.00	0.38	1	SW846 8260C	19-Mar-21	19-Mar-21	DDP	2101020	Χ
108-10-1 75-09-2 91-20-3	4-Methyl-2-pentanone (MIBK)	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Χ
75-09-2 91-20-3	(MIBK)			μg/l	1.00	0.26	1	"	"	"	"	"	Х
91-20-3	Methylene chloride	< 2.00		μg/l	2.00	0.35	1	II	"	"	"	"	Х
	Welliylerie Chloride	< 2.00		μg/l	2.00	0.54	1	"	"	"	"	"	Χ
	Naphthalene	< 2.00		μg/l	2.00	0.70	1	"	"	"	"	"	Χ
103-65-1	n-Propylbenzene	< 1.00		μg/l	1.00	0.36	1	"	"	n n	"	"	Χ
100-42-5	Styrene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Χ
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		μg/l	1.00	0.37	1	"	"	"	"	"	Χ
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		μg/l	0.50	0.46	1	"	"	"	"	"	Χ
127-18-4	Tetrachloroethene	< 1.00		μg/l	1.00	0.36	1	u u	"	"	"	"	X
108-88-3	Toluene	< 1.00		μg/l	1.00	0.28	1	"	"	II .	"	"	Χ
87-61-6	1,2,3-Trichlorobenzene	< 1.00		μg/l	1.00	0.74	1	II .	"	u u	"	"	Χ
120-82-1	1,2,4-Trichlorobenzene	< 1.00		μg/l	1.00	0.70	1	"	"	"	"	"	Χ
108-70-3	1,3,5-Trichlorobenzene	< 1.00		μg/l	1.00	0.54	1	"	"	II .	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		μg/l	1.00	0.33	1	"	"	"	"	"	Χ
79-00-5	1,1,2-Trichloroethane	< 1.00		μg/l	1.00	0.35	1	"	"	n n	"	"	Χ
79-01-6	Trichloroethene	< 1.00		μg/l	1.00	0.36	1	"	"	"	"	"	Χ
	Trichlorofluoromethane (Freon 11)	< 1.00		μg/l	1.00	0.23	1	u u	"	"	"	"	Х
96-18-4	1,2,3-Trichloropropane	< 1.00		μg/l	1.00	0.51	1	"	"	n n	"	"	Χ
95-63-6	1,2,4-Trimethylbenzene	< 1.00		μg/l	1.00	0.46	1	"	"	"	"	"	Χ
108-67-8	1,3,5-Trimethylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
75-01-4	Vinyl chloride	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
179601-23-1	m,p-Xylene	< 2.00		μg/l	2.00	0.78	1	"	"	"	"	"	Χ
95-47-6	o-Xylene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Χ
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	"	"	"	"	"	Χ
994-05-8	Tert-amyl methyl ether	< 1.00		μg/l	1.00	0.26	1	"	"	"	"	"	Χ
637-92-3	Ethyl tert-butyl ether	< 1.00		μg/l	1.00	0.29	1	"	"	"	"	"	Χ
108-20-3	Di-isopropyl ether	< 1.00		μg/l	1.00	0.26	1	W	"	"	"	"	Х
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
	trans-1,4-Dichloro-2-buten e	< 5.00		μg/l	5.00	0.81	1	n .	"	"	"	"	Х
64-17-5	Ethanol	< 200		μg/l	200	9.08	1	"	"	"	"	"	Х
Surrogate re	ecoveries:												
460-00-4	4-Bromofluorobenzene	92			70-13	0 %		W	"	"	"	"	
2037-26-5	Toluene-d8	100			70-13	0 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	112			70-13	0 %		н	"	"	"	"	
1868-53-7	Dibromofluoromethane	102			70-13	0 %		н	"	"	"	"	
Tentatively	Identified Compounds by	GC/MS											
	Tentatively Identified Compounds	0.0		μg/l			1	SW846 8260C TICs	"	u	DDP	ıı	

S-2 SC60981-	lentification 08				<u>Project #</u> D20066	:	<u>Matrix</u> Surface W		ection Date -Mar-21 11			ceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cer
Semivolati	le Organic Compounds by	GCMS											
	ne by 8270 SIM												
	by method SW846 3510C	-			0.000	0.442	4	CW04C 0070D	10 M-= 01	40 M 04	BII	0404004	
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 r	recoveries:												
17647-74-4	1,4-Dioxane-d-8 Surr	41			10-15	50 %		"	"	"	"	"	
	etals by EPA 200/6000 Serie by method General Prep-l												
	Filtration	Lab Filtered	HT1,MF	N/A			1	EPA 200.7/3005A/601 0	17-Mar-21 12:00		PN	2101075	
	etals by EPA 200 Series Me												
7440-22-4	Silver	< 0.0100		mg/l	0.0100	0.0071	1	EPA 200.7	18-Mar-21	20-Mar-21	PMH/ED1		
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	"	"	"	"	"	Х
7440-70-2	Calcium	29.8		mg/l	0.500	0.0679	1	"	"	"	"	"	Х
7440-43-9	Cadmium	< 0.0050		mg/l	0.0050	0.0008	1	"	"	"	"	"	Х
7440-47-3	Chromium	< 0.0100		mg/l	0.0100	0.0038	1	"	"	"	"	"	Х
7440-50-8	Copper	< 0.0100		mg/l	0.0100	0.0058	1	"	"	"	"	"	Х
7439-89-6	Iron	< 0.100		mg/l	0.100	0.0201	1	"	"	"	"	"	Х
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	Х
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	Х
7440-23-5	Sodium	4.34		mg/l	2.00	0.248	1	"	"	"		"	Х
7439-92-1	Lead	< 0.0150		mg/l	0.0150	0.0068	1	"	"	20-Mar-21		"	Х
7782-49-2	Selenium	< 0.0300		mg/l	0.0300	0.0145	1	"	"	"	"	"	Χ
7440-66-6	Zinc	< 0.0200		mg/l	0.0200	0.0054	1	"	u u	"	"	"	X
General C	hemistry Parameters												
	Total Dissolved Solids	109		mg/l	5	3	1	SM18-22 2540C	23-Mar-21	25-Mar-21	PN	2100986	Χ
	cted Analyses ORGFM 28D												
	by method NONE												
Analysis pe	erformed by Eurofins Lancasi	ter Laboratories	Environme	ntal - M-PA	1009								
16887-00-6	Chloride	8.4		mg/l	2.0	1.0	5	EPA 300_ORGFM_28 D		23-Mar-21 16:03	M-PA009	106212	
14808-79-8	Sulfate	6.7		mg/l	5.0	1.5	5	n .	"	"	"	"	
Analysis pe	erformed by Eurofins Lancasi	ter Laboratories	Environme	ntal - M-PA	1009								
	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 pe	erformed by Eurofins Lancasi	ter Laboratories	Environme	ntal - M-PA	1009								
Prenared	Total Alkalinity as CaCO3 to pH 4.5 by method METHOD	81		mg/l	8.0	2.6	1	SM 2320B	20-Mar-21 07:16	20-Mar-21 07:16	M-PA009	105768	
	erformed by Eurofins Lancasi	ter Lahoratories	Environme	ntal - M-P	1009								
Anaiysis pe 57-12-5	Cyanide, Total	< 0.010	. z.iva ounte	mg/l	0.010	0.0050	1	SW846 9012A	21-Mar-21 11:03	22-Mar-21 11:30	M-PA009	105412	
	cted Analyses by method E300.0												

Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007

Sample Identification S-2 SC60981-08				Project # D20066		Matrix Surface Wa		lection Date 6-Mar-21 11			<u>ceived</u> 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 Envi	ironmental Labs, I	nc. * - MACT	Г007									
14797-55-8 Nitrate as Nitrogen	0.25		mg/l	0.05	0.05	1	E300.0	17-Mar-21	17-Mar-21	M-CT007	567387A	ı

23:30

23:30

01-Apr-21 18:05 Page 43 of 64

Sample Id Trip SC60981	dentification -09				Project # 020066		<u>Matrix</u> Trip Blar	· · · · · · · · · · · · · · · · · · ·	ection Date 5-Mar-21 00			ceived Mar-21	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
Volatile O	Organic Compounds by SW	846 8260											
Prepared	by method SW846 5030 V	Vater MS											
76-13-1	1,1,2-Trichlorotrifluoroetha ne (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	"	"	"	"	"	Χ
107-13-1	Acrylonitrile	< 0.50		μg/l	0.50	0.36	1	"	"	"	"	"	Χ
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	"	"	"	"	"	Χ
75-27-4	Bromodichloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"	"	Χ
75-25-2	Bromoform	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
74-83-9	Bromomethane	< 2.00		μg/l	2.00	0.63	1	"	"	"	"	"	Χ
78-93-3	2-Butanone (MEK)	< 2.00		μg/l	2.00	0.58	1	"	"	"	"	"	Χ
104-51-8	n-Butylbenzene	< 1.00		μg/l	1.00	0.45	1	"	"	"	"	"	Χ
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	"	"	"	"	"	Χ
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	"	"	"	"	"	Х
108-90-7	Chlorobenzene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
75-00-3	Chloroethane	< 2.00		μg/l	2.00	0.40	1	"	"	"	"	"	Х
67-66-3	Chloroform	< 1.00		μg/l	1.00	0.30	1	"	"	"	"	"	Х
74-87-3	Chloromethane	< 2.00		μg/l	2.00	0.48	1	"	"	"	"	"	Х
95-49-8	2-Chlorotoluene	< 1.00		μg/l	1.00	0.43	1	"	"	"	"	"	Х
106-43-4	4-Chlorotoluene	< 1.00		μg/l	1.00	0.42	1	"	"	"	"	"	Х
96-12-8	1,2-Dibromo-3-chloroprop ane	< 2.00		μg/l	2.00	0.51	1	"	"	"	"	"	Χ
124-48-1	Dibromochloromethane	< 0.50		μg/l	0.50	0.33	1	"	"	"	"	"	Х
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	"	"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 1.00		μg/l	1.00	0.36	1	"	"	"		"	Х
107-06-2	1,2-Dichloroethane	< 1.00		μg/l	1.00	0.26	1		"	"	"	"	Х
75-35-4	1,1-Dichloroethene	< 1.00		μg/l	1.00	0.34	1		"	"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.30	1	n .	"	"	"	"	Х
156-60-5	trans-1,2-Dichloroethene	< 1.00		μg/l	1.00	0.19	1		"	"	"	"	Х
78-87-5	1,2-Dichloropropane	< 1.00		μg/l	1.00	0.36	1		"	"	"	"	Х
142-28-9	1,3-Dichloropropane	< 1.00		μg/l	1.00	0.32	1		"	"	"	"	Х
594-20-7	2,2-Dichloropropane	< 1.00		μg/l	1.00	0.49	1		"	"	"	"	Х
563-58-6	1,1-Dichloropropene	< 1.00		μg/l	1.00	0.29	1	"	п	"	"	"	Х
10061-01-5	cis-1,3-Dichloropropene	< 0.50		μg/l	0.50	0.30	1	"	"	"	"	"	Х
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

SW846 8260C

TICs

DDP

μg/l

Tentatively Identified Compounds by GC/MS Tentatively Identified

Compounds

0.0

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
	Robuit	1 145	J.III.03	TOL	Level	resuit		Linito		Limit
SW846 8260C										
Batch 2101020 - SW846 5030 Water MS										
Blank (2101020-BLK1)					Pre	epared & Ar	nalyzed: 19-	<u>Mar-21</u>		
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			2.00						
n-Propylbenzene	< 1.00		μg/l 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)					Pre	epared & Ai	nalyzed: 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			1.00						
Tetrahydrofuran	< 2.00		μg/l	2.00						
•			μg/l							
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)					Pre	epared & Ai	nalyzed: 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	20.8		μg/l		20.0		104	70-130		
Carbon distillide Carbon tetrachloride					20.0		109	70-130 70-130		
	21.8		μg/l							
Chlorosthona	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)					Pre	epared & Ar	nalyzed: 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		107	70-130		
1,1-Dichloroethene	20.9		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				20.0		104	70-130		
, , ,			µg/l							
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		

nalyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
W846 8260C										
atch 2101020 - SW846 5030 Water MS										
LCS (2101020-BS1)					Pre	epared & Ar	nalyzed: 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 70-130		
LCS Dup (2101020-BSD1)			1-3.			epared & Ar	nalyzed: 19-			
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.0		μg/l		20.0	W	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	21.1				20.0		106	70-130	1	20
Bromodichloromethane			µg/l		20.0		106	70-130	2	20
	21.2		μg/l							
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	21.9				20.0		107	70-130	6	20
			μg/l							
trans-1,2-Dichloroethene	20.0		µg/l		20.0		100	70-130	0.3	20
1,2-Dichloropropane	20.5 21.5		μg/l μg/l		20.0 20.0		102 108	70-130 70-130	1 0.2	20 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)					Pre	epared & Ai	nalyzed: 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				20.0		96	70-130	3	20
Naphthalene	21.9		μg/l μg/l		20.0		110	70-130 70-130	3	20
n-Propylbenzene	21.9		μg/l μg/l		20.0		117	70-130 70-130	o.7	20
Styrene	21.4				20.0		107	70-130	2	20
•	20.7		μg/l					70-130	3	20
1,1,1,2-Tetrachloroethane			μg/l		20.0		104	70-130 70-130		20
1,1,2,2-Tetrachloroethane	21.8		μg/l		20.0		109		0.1	
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	49.6 47.7		μg/l μg/l		50.0		95	70-130 70-130		
=								70-130 70-130		
Surrogate: 1,2-Dichloroethane-d4	52.7 51.3		µg/l		50.0		105 103			
Surrogate: Dibromofluoromethane	51.3		μg/l		50.0		103	70-130		
Batch 2101042 - SW846 5030 Water MS Blank (2101042-BLK1)					Pre	epared & A	nalyzed: 23-	Mar-21		
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		μg/l	1.00	<u>1 15</u>	-paica a Al	, <u></u>	u. <u>2 1</u>		
Acetone	< 1.00			10.0						
Acetone Acrylonitrile	< 10.0 < 0.50		μg/l 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)					Pre	epared & A	nalyzed: 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 μg/l	1.00						
Chloromethane	< 2.00			2.00						
2-Chlorotoluene	< 1.00		μg/l	1.00						
			μg/l							
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)					Pre	epared & Ar	nalyzed: 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 70-130		
•	01.0		P9/I			anared & A	nalyzed: 23-			
LCS (2101042-BS1) 1,1,2-Trichlorotrifluoroethane (Freon 113)	24.0		ua/l		20.0	spared & Al				
	24.0		μg/l				120	70-130		
Acetone Acrylonitrile	16.6		μg/l		20.0 20.0		83 121	70-130 70-130		
•	24.1		μg/l				121	70-130		
Benzene	22.0		μg/l		20.0		110	70-130 70-130		
Bromobenzene Bromochloromethane	22.5		μg/l		20.0		113 115	70-130 70-130		
Bromodichloromethane	22.9		μg/l		20.0		115 113	70-130 70-130		
	22.7		μg/l		20.0		113			
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 70-130		
n-Butylbenzene	21.8		μg/l		20.0		109			
sec-Butylbenzene	22.0		μg/l		20.0		110	70-130		
tert-Butylbenzene	21.9		μg/l		20.0		110	70-130		
Carbon tetraphlarida	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 Limi
SW846 8260C										
3atch 2101042 - SW846 5030 Water MS										
LCS (2101042-BS1)					Pre	epared & Ar	nalyzed: 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		107	70-130		
1,2-Dichloropropane	21.0		μg/l		20.0		112	70-130		
1,3-Dichloropropane	22.4		μg/l		20.0		113	70-130		
, , ,	24.2				20.0		121	70-130		
2,2-Dichloropropane			μg/l							
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	23.6		μg/l		20.0		108	70-130		

Volatile Organic Compounds - Quality Control

	D14	Elss	T.T:4	*RDL	Spike	Source	%REC	%REC	RPD	RPD
nalyte(s)	Result	Flag	Units	·KDL	Level	Result	70KEC	Limits	KPD	Limi
<u>W846 8260C</u>										
atch 2101042 - SW846 5030 Water MS										
LCS (2101042-BS1)					Pre	epared & A	nalyzed: 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)			10		Pre	enared & A	nalyzed: 23-	-Mar-21		
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.1		μg/l		20.0	sparoa a 7 i	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				20.0		110	70-130	0	20
Bromobenzene	22.5		μg/l					70-130		20
Bromochloromethane			μg/l		20.0		113	70-130 70-130	0	20
	22.0		μg/l		20.0		110		4	
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	8.0	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				20.0		109	70-130 70-130	3 2	20
			μg/l							20
trans-1,2-Dichloroethene	21.1		μg/l		20.0		105	70-130	0.4	
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

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limi
SW846 8260C										
Batch 2101042 - SW846 5030 Water MS										
LCS Dup (2101042-BSD1)					Pre	epared & A	nalyzed: 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				20.0		115	70-130	0	20
m,p-Xylene	24.1		μg/l		20.0		121	70-130	5	20
•	24.1		μg/l					70-130	4	20
o-Xylene			μg/l		20.0		109		2	20
Tetrahydrofuran	22.9		μg/l		20.0		115	70-130		
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					-			M== 04		
Blank (2101020-BLK1)	0.0		μg/l		Pre	epared & Ai	nalyzed: 19-	.iviar-21		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	Limits RPD L 10-150 10-150 40-140 10-150 ar-21	RPD Limit
SW846 8270D SIM									Limits RPD Li	
Batch 2101024 - SW846 3510C										
Blank (2101024-BLK1)					Pre	epared & Ar	nalyzed: 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)					Pre	epared & Ar	nalyzed: 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)					Pre	epared & Ar	nalyzed: 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		

Semivolatile Organic Compounds by GC - Quality Control

nalyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPI Lim
W846 8082A										
atch 2101030 - SW846 3510C										
Blank (2101030-BLK1)					<u>Pre</u>	epared: 22-	Mar-21 An	alyzed: 23-N	lar-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)					Pre	epared: 22-	Mar-21 An	alyzed: 23-M	lar-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)					Pre	epared: 22-	Mar-21 An	alyzed: 23-M	lar-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		

Soluble Metals by EPA 200 Series Methods - Quality Control

nalyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPE Limi
PA 200.7										
atch 2100984 - EPA 200 Series										
Blank (2100984-BLK1)					Pre	epared: 18-l	Mar-21 An	alyzed: 20-M	lar-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)			_		Pre	epared: 18-	Mar-21 An	alyzed: 20-M	lar-21	
Selenium	2.52		mg/l	0.0300	2.50		101	85-115	<u></u>	
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		103	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	2.55		-	0.0100	2.50		99	85-115		
Lead			mg/l	0.0150	2.50		103	85-115		
Silver	2.57		mg/l							
	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: SO		<u>Pre</u>	•	Mar-21 An	alyzed: 20-N	<u>lar-21</u>	
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: SO	C60981-08	<u>Pre</u>	epared: 18-	Mar-21 An	alyzed: 20-M	lar-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		
	2.54		mg/l	0.0100	2.50	BRL	102	70-130		
Barium	2.54		myn	0.0100	2.00					
Barium Cadmium	2.37		mg/l	0.0050	2.50	BRL	95	70-130		

Soluble Metals by EPA 200 Series Methods - Quality Control

					Spike	Source		%REC		RPD
Analyte(s)	Result	Flag	Units	*RDL	Level	Result	%REC	Limits	RPD	Limit
EPA 200.7										
Batch 2100984 - EPA 200 Series										
Matrix Spike (2100984-MS1)			Source: S	C60981-08	Pre	epared: 18-	Mar-21 An	alyzed: 20-M	1ar-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: S	C60981-08	Pre	epared: 18-	Mar-21 An	alyzed: 20-M	1ar-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)					Pre	epared & A	nalyzed: 23-	-Mar-21		
Mercury	< 0.00030		mg/l	0.00030						
LCS (2100985-BS1)					Pre	epared & Ai	nalyzed: 23-	-Mar-21		
Mercury	0.00528		mg/l	0.00030	0.00500	•	106	85-115		
Duplicate (2100985-DUP1)			Source: S	C60981-05	Pre	epared & Ai	nalyzed: 23-	-Mar-21		
Mercury	0.00015	J	mg/l	0.00030	_	0.00014			3	20
Matrix Spike (2100985-MS1)			· ·	C60981-05	Pre		nalyzed: 23-	-Mar-21		
Mercury	0.00523		mg/l	0.00030	0.00500	0.00014	102	80-120		
Post Spike (2100985-PS1)			· ·	C60981-05			nalyzed: 23-			
Mercury	0.00469		mg/l	0.00030		0.00014	91	85-115		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>SM18-22 2540C</u>										
Batch 2100986 - General Preparation										
Blank (2100986-BLK1)					Pre	epared: 23-	Mar-21 Ar	nalyzed: 25-M	lar-21	
Total Dissolved Solids	< 5		mg/l	5						
LCS (2100986-BS1)					Pre	epared: 23-	Mar-21 Ar	nalyzed: 25-M	lar-21	
Total Dissolved Solids	980		mg/l	10	1000		98	90-110		
Duplicate (2100986-DUP1)			Source: SC	C60981-01	Pre	epared: 23-	Mar-21 Ar	nalyzed: 25-M	lar-21	
Total Dissolved Solids	456		mg/l	5		438			4	5
Duplicate (2100986-DUP2)			Source: SC	C60981-02	Pre	epared: 23-	Mar-21 Ar	nalyzed: 25-M	<u>lar-21</u>	
Total Dissolved Solids	293	QR7	mg/l	5		368			23	5

Subcontracted Analyses - Quality Control

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)					Pre	epared & Ar	nalyzed: 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)					<u>Pre</u>	epared & Ar	nalyzed: 22	-Mar-21		
Chloride	< 0.40		mg/l	0.40				-		
Sulfate	< 1.0		mg/l	1.0				-		
Batch 106212 - NONE										
LCS (1062123Q)					<u>Pre</u>	epared & Ar	nalyzed: 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)					<u>Pre</u>	epared & Ar	nalyzed: 23	-Mar-21		
Chloride	< 0.40		mg/l	0.40				-		
Sulfate	< 1.0		mg/l	1.0				-		
Matrix Spike (327897S)			Source: SC	60981-07	<u>Pre</u>	epared & Ar	nalyzed: 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: SC	60981-07	Pre	epared & Ar	nalyzed: 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)					Pre	epared & Ar	nalyzed: 19	-Mar-21		
Chemical Oxygen Demand	< 75		mg/l	75				-		
LCS (1050022Q)					Pre	epared & Ar	nalyzed: 19	-Mar-21		
Chemical Oxygen Demand	484		mg/l	75	500		97	94-110		
Matrix Spike (327897S)			Source: SC	60981-07	Pre	epared & Ar	nalyzed: 19	-Mar-21		
Chemical Oxygen Demand	391		mg/l	75	400	BRL	98	94-110		
Duplicate (327897X)			Source: SC	60981-07	Pre	epared & Ar	nalyzed: 19	-Mar-21		
Chemical Oxygen Demand	< 75		mg/l	75		BRL	-	-	NC	9
SM 2320B										
Batch 105768 - NONE										
Blank (105768116B)					Pre	enared & Ar	nalyzed: 20	-Mar-21		
Total Alkalinity as CaCO3 to pH 4.5	< 8.0		mg/l	8.0	<u> </u>	zparca a 7 ti	idiyzca. zo	<u> </u>		
LCS (105768117Q)			g		Pre	enared & Ar	nalyzed: 20	-Mar-21		
Total Alkalinity as CaCO3 to pH 4.5	178		mg/l	8.0	189	parca a 7 ti	94	82-106		
Matrix Spike (327891S)			Source: SO			enared & Ar	nalyzed: 20			
Total Alkalinity as CaCO3 to pH 4.5	222	F1	mg/l	8.0	189	170	29	82-106		
Duplicate (327891X)			Source: SO				nalyzed: 20			
Total Alkalinity as CaCO3 to pH 4.5	168		mg/l	8.0	<u> </u>	170	iaiyzeu. zu	- <u>IVIAI - Z I</u>	0.3	5
•	100		mg/i	0.0		170			0.0	J
SW846 9012A										
Batch 105412 - Distill_CN					5		M 04 A	-1	I 04	
LCS (1054121AQ)	0.000		n	0.040		epared: 21-		alyzed: 22-N	iar-21	
Cyanide, Total	0.203		mg/l	0.010	0.200		102 Mar 24 Ar	90-110	I 04	
LCS Dup (10541224AY)	0.400		Source: 10					nalyzed: 22-N		00
Cyanide, Total	0.190		mg/l	0.010	0.200	0.203	95	90-110	7	20
Blank (1054122AB)	. 0 010		n	0.040	<u>Pre</u>	epared: 21-	Mar-21 An	ıalyzed: 22-N	<u>ıar-21</u>	
Cyanide, Total	< 0.010		mg/l	0.010				-		
Matrix Spike (327896S)			Source: SC	:60981-06	<u>Pre</u>	epared: 21-	Mar-21 An	alyzed: 22-N	<u>ıar-21</u>	

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 9012A Batch 105412 - METHOD										
<u>Matrix Spike (327896S)</u>			Source: SC	60981-06	Pre	pared: 21-	Mar-21 An	alyzed: 22-M	lar-21	
Cyanide, Total	0.206		mg/l	0.010	0.200	BRL	103	72-114		
<u>Duplicate (327896X)</u>			Source: SC	60981-06	<u>Pre</u>	pared: 21-	Mar-21 An	alyzed: 22-M	lar-21	
Cyanide, Total	< 0.010		mg/l	0.010		BRL		-	NC	20

Subcontracted Analyses - Quality Control

					Spike	Source		%REC		RPD
Analyte(s)	Result	Flag	Units	*RDL	Level	Result	%REC	Limits	RPD	Limit
E300.0										
Batch 567386A - E300.0										
Blank (CH80020-BLK)					Pre	epared & An	alyzed: 17-	-Mar-21		
Nitrate as Nitrogen	< 0.05		mg/l	0.05			BRL	-		
LCS (CH80020-LCS)					Pre	epared & An	alyzed: 17-	-Mar-21		
Nitrate as Nitrogen	1.122		mg/l	0.05	03121852	Ę	99.3	90-110		20
Batch 567387A - E300.0										
Blank (CH80518-BLK)					Pre	epared & An	alyzed: 17-	-Mar-21		
Nitrate as Nitrogen	< 0.05		mg/l	0.05			BRL	-		
LCS (CH80518-LCS)					Pre	epared & An	alyzed: 18-	-Mar-21		
Nitrate as Nitrogen	1.118		mg/l	0.05	05358948	4	98.9	90-110		20

Notes and Definitions

F1

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.

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.

<u>Laboratory Control Sample (LCS)</u>: 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.

<u>Matrix Spike</u>: 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.

<u>Method Blank</u>: 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.

<u>Surrogate</u>: 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.

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

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Environment Testing New England	
CHAIN OF CUSTODY RECORD	
Standard TAT - 7 to 10 business days Rush TAT - Date Needed:	SCGOGE EM

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		3/1/2/ 11:00	200 BAR	Date: Time:	SW 3 2 5	SW 3 2 S	EW3 4 5	(F) 3 X 5	2 2 2 2	至3岁,5	GW 3 2 - 5	GU 3 Y 5	GW 3 2 5	GW 3 2 5	# of	VOA Ambe Clear	r Glass Glass	Containers			Quote #: Cx Serve		s	Same	Page of	CHAIN OF CUSTODY RECORD	
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Ambient Miced Refrigerated DI VOA Frozen Soil Jar Frozen	Condition upon receipt: Custody Seals: Present Intact Broken		F. E-mail to Todal, don't Carassociales, con	EDQ format:	XXXX AX a diss. metals	XXXXX \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		XXXXX DAKK west detection I'm	XXXXX CARRESEROVINE TICS FORM	-	XXXXX allowest detection limits	ME	XXXX DMANa Ph Se Za	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	P	XY-D	8260 Pioxan Standard	d CTDPH	3/1 5/1 1/2 /1 1/1 /1 additional charges may apply	List Preservative Code below: QA/QC Reporting Notes:		Location: Laneshorough State: MJ Sampler(s):	Site Name: Uld Orched Road Landfill	Project No. 1837D20066	Min. 24-hr notification needed for rushes Samples disposed after 30 days unless otherwise instructed.	Rush TAT - Date Needed:	

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New England	Environment Testing			
Page 2 of 2	CHAIN OF CUSTODY RECORD			
All TATs subject to laboratory approval Min. 24-hr notification needed for rushes	Rush TAT - Date Needed:	Standard TAT = 7 to 10 business days	Special Handling:	

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			31						
C									
- Bukgand + The	,								
atUnknown Reaks >5x									
act lowest detection Limit							,		
michale MEKMBK Aceton		X			S ×	to robord by	3/16/21	200	2
		VE				Time:	Date:	Sample ID:	Lab ID:
		Xs	Clear	VOA Ambe	/pe atrix		C=Compsite	ab	G = Grab
ASP A* ASP B*		82	Glass	Vials er Glas			X3=	X2=	XI= Diff
		60		S			Air SG=Soil Gas	SL=Sludge A=Indoor/Ambient Air	O=Oil SO=Soil S
" MA DEP MCP CAM Report? C'T DPH RCP Report? Ves. No	Analysis		Containers	Co	×	te Water	é Water WW=Waste Water	GW =Groundwater SW =Surface Water	DW =Drinking Water
mountain from Son the plant	8	211						* .	
QA/QC Reporting Notes:	List Preservative Code below:				Acid 12=	6=Ascorbic Acid	4=HNO ₃ 5=NaOH	1=Na ₂ S2O ₃	F=Field Filtered 1=N; 7=CH3OH 8=NaHSO ₄
-		treme	Quote #: ex+c	Q		P.O No.:		Dones	Project Mgr:
Lanesborough state MA	Location: Lane Sampler(s):					1		3)781-0070	Telephone #:
Urbed Koad Landoll	Site Name: Ud								
01000	Project No:		k	Same		Invoice To:		Denze	Report To: Lakel
1	1000			\					A CONTRACTOR
Samples disposed after 30 days unless otherwise instructed.	San		7	9	- dgc				

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)

<u>105768</u>

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)

105868

Subcontracted Analyses

SC60981-08 (S-2)

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:	<u> </u>								Job Number: 183TD20066						
Location:	Former Old Orebed Road Landfill									Date: 3/16/2021					Sheet 1 of 1
Personnel:	Kale	y Fournier - I	Environment	al Field Tech	nician					Weather Co	onditions:	Cloudy, 23.4°	, West @ 1.4 m	ph	
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	G	roundwater m	onitoring wel	l location gau	ged as dry and	l consequent	ly, a sample se	t was not col	lected during the	monitoring perio	od.	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	G	roundwater m	onitoring wel	l location gauફ	ged as dry and	l consequent	ly, a sample se	t was not col	lected during the	monitoring perio	od.	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.		Calil	Calibration		Decon			Notes		
Heron Water Level Indicator		Heron		5		N/A		Yes							
pH/ °C Meter		YSI Model 650					Y	Yes		Yes					
Specific Co	onduc	tivity 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

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 Methane 15.0% 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): <u>Kaley Fournier – Environmental Technician</u>



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

Instrument Calibration Log

Project Number: <u>183TD20066</u> **Date:** <u>March 16, 2021</u>

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