

LETTER REPORT
MAY 2021
GROUNDWATER MONITORING WELL SAMPLING
FOR THE
LAPP INSULATOR SITE
NYSDEC SITE NUMBER 819017
LEROY, GENESEE COUNTY, NEW YORK

PREPARED FOR:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
WORK ASSIGNMENT NUMBER D009803-06

PREPARED BY:

AECOM
One John James Audubon Parkway, Suite 210
Amherst, New York 14228

December 2021

December 9, 2021

Sarah Saucier, P.E.
12th Floor Remedial Bureau E, Section A
NYS Department of Environmental Conservation
625 Broadway
Albany, New York 12233-5060

**Re: NYSDEC Standby Contract, Work Assignment No. D009803-06
Lapp Insulator Site, Site ID No. 819017
Letter Report – Groundwater Monitoring Well Sampling**

Dear Ms. Saucier:

AECOM USA, Inc. (AECOM) has prepared this letter report to summarize the analytical results associated with the groundwater sampling program for the Lapp Insulator site [New York State Department of Environmental Conservation (NYSDEC) Site Number 819017] located at 130 Gilbert Street, LeRoy, Genesee County, New York (Figure 1). The work was completed under Work Assignment No. D009803-06.

1.0 INTRODUCTION

During the summer of 2014, remedial excavation of chlorinated solvent-contaminated soil took place at two locations at the Lapp Insulator site (Area A and Area C/D). Figure 2 shows an overall site plan and illustrates key features at the site, including the two excavation areas. Following the remediation and restoration work at these locations, six groundwater monitoring wells were installed in shallow bedrock, and a groundwater sampling program was implemented.

The purpose of the groundwater sampling program was to evaluate the nature and extent of the dissolved-phase chlorinated volatile organic compound (CVOC) groundwater plume in the shallow bedrock groundwater zone. The fieldwork included measuring water levels in monitoring wells to determine groundwater elevations and gradients, and sampling to evaluate dissolved-phase concentrations of CVOCs and the emerging contaminant 1,4-dioxane in groundwater. For the April 2019 sampling event, natural attenuation parameters [total and dissolved iron and manganese, biochemical oxygen demand (BOD), chemical oxygen demand (COD), nitrate and sulfate] were added for use in a remedial design to address CVOC contamination in shallow bedrock groundwater.

Based on the data collected during the April 2019 groundwater monitoring event, a remedial action, in-situ chemical oxidation (ISCO), was initiated to address CVOC contamination in groundwater. The remedial action involved injecting PersulfOx, a chemical oxidant, into injection borings that were advanced to refusal using a GeoProbe. NYSDEC Stand-By Remediation Contractor LaBella Associates, DPC (LaBella) performed the remedial injections. The remedial injection work was completed in December 2019 and January 2020. Figure 3 shows the injection locations in relation to the monitoring wells that were sampled.

NYSDEC requested that AECOM conduct groundwater sampling following the December 2019/January 2020 remedial injection work. This letter report presents a discussion of all field activities associated with the second round of post-injection groundwater sampling that took place at the site from May 18 through 20, 2021. This letter report includes the groundwater data collected from the site since December 2014.

2.0 GROUNDWATER ELEVATION AND CONTOURS

On May 18, 2021, prior to commencing sample collection, groundwater elevation measurements were collected from each of the thirteen wells in the sampling program. The groundwater levels were used to

develop a groundwater elevation contour map so that groundwater flow directions could be determined. Water levels were measured to the nearest 0.01 foot (ft) using a 100-ft long Solinst water level meter. Figure 4 illustrates the groundwater elevations and contours for May 18, 2021. Groundwater elevation measurements are provided in Table 1. Overall groundwater flow direction varies but is generally to the east towards Oatka Creek. Overall, groundwater elevations and flow direction have been consistent over the course of the groundwater monitoring program.

3.0 GROUNDWATER SAMPLING

The following wells are included in the groundwater sampling program: BRW-01, BRW-02, SR-001 through SR-006, SR-101, SR-104, SR-105, SR-106 and SR-108. Prior to the April 2019 sampling event, the groundwater sampling program consisted of using passive diffusion bags (PDBs) or HydraSleeves to collect groundwater samples. To facilitate the collection of 1,4-dioxane, metals and natural attenuation parameters, AECOM began collecting samples using a peristaltic pump with low-flow purging instead of PDBs or HydraSleeves during the April 2019 sampling event.

From May 18 through 20, 2021, AECOM collected groundwater samples from all 13 monitoring wells in the groundwater sampling program using low-flow sampling procedures. The wells were sampled using a GeoPump peristaltic pump, with dedicated low-density polyethylene (LDPE) tubing and dedicated silicone tubing. Water quality parameters (pH, conductivity, temperature, dissolved oxygen (DO), oxygen reduction potential (ORP), and turbidity) were recorded approximately every 5 minutes during well purging using a Horiba U-52 flow-thru cell. Each well was purged at a rate below one liter per minute until water quality parameters stabilized. Purge logs are provided in Attachment 1. Field notes are presented as Attachment 2.

Purge water was containerized in a 55-gallon steel drum.

Samples were collected from each monitoring well for the following analytical parameters:

- Target Compound List (TCL) Volatile Organic Compounds (VOCs) by SW8260C;
- Total and Dissolved Iron and Manganese by SW846 6010C;
- 1,4-Dioxane by SW8270D Selected Ion Monitoring (SIM);
- BOD₅ by SM5210B;
- COD by United States Environmental Protection Agency (USEPA) 410.4; and
- Nitrate and Sulfate by USEPA 300.0.

One field duplicate sample and one matrix spike/matrix spike duplicate pair were collected for quality control. Following collection, the samples were stored in coolers with ice. Trip blanks accompanied each sample shipment. The samples were transported under chain-of-custody control to TestAmerica Laboratories located in Amherst, New York.

3.0.1 Groundwater Analytical Results

Full deliverable data packages (i.e., NYSDEC Analytical Service Protocol Category B or equivalent) were provided by the laboratory and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

AECOM prepared a Data Usability Summary Report (DUSR) following the guidelines provided in the NYSDEC Division of Environmental Remediation DER-10 *Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. The data packages were reviewed for compliance with analytical method requirements and the applicable USEPA Region II guidelines. The complete validated analytical results from the groundwater samples are presented in the DUSR in Attachment 3. Data summary tables and Form I's are provided in the DUSR and include the reporting limit for each non-detected compound.

The type and quality of analytical results met the project quality objectives (PQOs) for this sampling event. The analytical results were compared to:

- NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, June 1998 (including subsequent revisions and updates);
- USEPA Drinking Water Health Advisory (USEPA, May 2016); and
- New York State Department of Health (NYSDOH) Drinking Water Quality Council (DWQC) Recommended Screening Levels for 1,4-dioxane and per- and polyfluoroalkyl substances (PFAS) (January 2019).

Table 2 presents the detected compounds along with the criteria for the samples collected on May 18 through 20, 2021. A statistical summary of the analytical results from the May 2021 sampling event is provided in Table 3. Table 4 provides all groundwater analytical results, except PFAS, for the December 2014, September 2018, April 2019, May 2020 and May 2021 sampling events. Figure 5 identifies the monitoring wells where VOCs and 1,4-dioxane were detected above criteria, and shows which compounds exceeded criteria in each well during the five sampling events.

As shown in Table 4, the most prevalent compounds found in the groundwater over the past five sampling events have been the CVOCs 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethane (1,1-DCA), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and 1,1-dichloroethene (1,1-DCE), all of which were all detected above 1,000 micrograms per liter ($\mu\text{g/L}$) at one or more well locations. Trans-1,2-DCE, chloroethane and vinyl chloride were other CVOCs detected above criteria in at least one well at the site, but the concentrations were below 1,000 $\mu\text{g/L}$.

In addition to the CVOCs; benzene, toluene, ethylbenzene, xylene, methyl ethyl ketone, methylene chloride, chloroethane and acetone have been detected above criteria in at least one well, although at relatively lower concentrations compared to the CVOCs.

1,4-Dioxane was detected at every sample location during each of the April 2019, May 2020 and May 2021 sampling events. During the May 2021 sampling event, 11 of 13 monitoring wells exceeded the DWQC recommended screening limit of 1 $\mu\text{g/L}$, with concentrations ranging from 1.9 $\mu\text{g/L}$ in SR-101 to 2,900 $\mu\text{g/L}$ in SR-105.

The CVOCs found at the highest concentrations during the May 2021 sampling event are discussed below:

- 1,1,1-TCA was the highest detected CVOc, and was detected above the criterion of 5 $\mu\text{g/L}$ in seven of the 13 monitoring wells sampled. The highest 1,1,1-TCA concentrations were found at wells SR-105 (140,000 $\mu\text{g/L}$), SR-005 (50,000 $\mu\text{g/L}$), SR-006 (4,100 $\mu\text{g/L}$), BRW-02 (4,000 $\mu\text{g/L}$) and BRW-01 (3,700 $\mu\text{g/L}$). The 1,1,1-TCA concentrations in the remaining wells were less than 1,000 $\mu\text{g/L}$.
- TCE was detected above the criterion of 5 $\mu\text{g/L}$ in nine of the 13 monitoring wells sampled. The highest TCE concentrations were found at SR-105 (65,000 $\mu\text{g/L}$), SR-005 (15,000 $\mu\text{g/L}$), SR-104 (2,300 $\mu\text{g/L}$), and SR-003 (1,200 $\mu\text{g/L}$). The TCE concentrations in the remaining wells were less than 1,000 $\mu\text{g/L}$.
- 1,1-DCA was detected above the criterion of 5 $\mu\text{g/L}$ in 10 of the 13 monitoring wells sampled. The highest concentrations of 1,1-DCA were found at SR-105 (75,000 $\mu\text{g/L}$), SR-005 (37,000 $\mu\text{g/L}$), SR-006 (7,700 $\mu\text{g/L}$), SR-106 (4,200 $\mu\text{g/L}$), BRW-02 (5,300 $\mu\text{g/L}$), and BRW-01 (2,000 $\mu\text{g/L}$). The 1,1-DCA concentrations in the remaining wells were less than 1,000 $\mu\text{g/L}$.

- 1,1-DCE was detected above the criterion of 5 µg/L in eight of the 13 monitoring wells sampled. The highest concentrations of 1,1-DCE were found in wells SR-105 (13,000 µg/L) and SR-005 (4,700 µg/L). The 1,1-DCE concentrations in the remaining wells were less than 1,000 µg/L.
- Cis-1,2-DCE was detected above the criterion of 5 µg/L in nine of the 13 monitoring wells sampled. The highest concentrations of cis-1,2-DCE were found in wells SR-105 (23,000 µg/L), SR-104 (3,600 µg/L), and SR-003 (1,400 µg/L). The cis-1,2-DCE concentrations in the remaining wells were less than 1,000 µg/L.

3.1 Investigation-Derived Waste Disposal

All investigation-derived waste (IDW) (decon water and purge water) was collected and placed in a DOT approved 55-gallon drum and stored on-site. One waste characterization sample was collected from the contents of the drum. The sample was transported under chain-of-custody control to TestAmerica Laboratories located in Amherst, New York. The sample was analyzed for:

- TCL/Toxicity Characteristics Leaching Procedure (TCLP) VOCs by SW1311/8260C;
- TCL/TCLP Semivolatile Organic Compounds (SVOCs) by SW1311/8270D
- TCL Polychlorinated Biphenyls (PCBs) by SW8082A
- Target Analyte List Metals by SW1311/6010C/7470A
- Flashpoint (Ignitability) by SW1010A
- Reactivity (Cyanide and Sulfide) by SW Chapter 7.3.3/7.3.4 and
- pH (Corrosivity) by SW9040C.

Based on the analytical results of the waste characterization sample, the drum contents are hazardous. LaBella picked up the drums for off-site disposal on July 28, 2021. The hazardous waste manifest for IDW disposal is provided in Attachment 4.

4.0 CONCLUSIONS

Based upon the results of the sampling, the following conclusions are made.

- The overall groundwater flow is generally to the east towards Oatka Creek.
- TCE, 1,1,1-TCA, 1,1-DCA, 1,1-DCE and cis-1,2-DCE were detected above 1,000 µg/L at one or more wells in the two primary areas at the site; Area A and Area C/D. The highest levels of contamination exist in Area A.
- Wells SR-105, BRW-01, BRW-02, SR-005 and SR-006 exhibited the highest concentrations of CVOCs. These wells are located in the same vicinity in Area A. These wells are generally downgradient from the suspected source area in Area A.
- In well SR-006, downgradient of Area A, CVOC concentrations are lower now than they were December 2014. However, 1,1,1-TCA and 1,1-DCA were still observed over 1,000 µg/L during the most recent groundwater monitoring event in May 2021.
- In well BRW-01, downgradient of Area A, CVOC concentrations had consistently decreased from December 2014 through April 2019, but have then increased slightly over the past two groundwater monitoring events.

- Well SR-004, slightly upgradient from Area A, did not contain any CVOCs.
- Upgradient well SR-101, located at the far northern end of the site, does not contain any CVOCs.
- In Area C/D, wells SR-003 and SR-104 exhibited concentrations of CVOCs above 1,000 µg/L. There were no CVOCs detected in well SR-003 during the April 2019 sampling event. Wells SR-002 and SR-108, also in Area C/D, exhibited concentrations of CVOCs above criteria but less than 1,000 µg/L.
- In Area C/D, there were no CVOCs detected in well SR-001. Well SR-001 is slightly upgradient from Area C/D.
- The greatest concentrations of 1,4-dioxane were detected in Area A monitoring wells, except for wells SR-004 and BRW-02, where the concentrations were lower at 14 µg/L and 15 µg/L respectively. The concentrations of 1,4-dioxane in monitoring wells located in Area C/D were significantly lower. Upgradient well SR-101 also had detections for 1,4-dioxane, similar to concentrations in Area C/D.
- Well SR-005 has shown overall increases in CVOCs since December 2014.
- Well SR-002, immediately downgradient of some of the remedial injections in Area C/D, has shown an overall decrease in CVOC concentrations in groundwater since the injections were completed in November 2019, but additional data should be collected before a downward trend can be confirmed. In other wells containing higher concentrations of CVOCs (e.g. wells SR-005 and SR-105), occasional decreases in CVOC concentrations have been observed (for example 1,1,1-TCA concentrations have decreased from 200,000 µg/L to 140,000 µg/L since April 2019).

Overall, CVOC concentrations in groundwater throughout the site continue to fluctuate. While some wells show a decrease in CVOCs as compared to 2014 data, others show relatively little change in concentrations. No consistent trends in overall CVOC concentrations can be extrapolated.

Decreases in CVOC concentrations in wells downgradient of area A (wells SR-006 and BRW-01) from December 2014 through April 2019 can be attributed to the removal of source material during the remedial excavation and initial remedial injection work completed in the summer of 2014. However, CVOC concentrations in these wells have fluctuated or increased during the past two groundwater monitoring events.

5.0 RECOMMENDATIONS

Groundwater sampling should continue. Despite some occasional decreases in CVOC concentrations since the remedial injection work was completed in November 2019, no consistent downward trends in CVOC concentrations are apparent at most monitoring wells. To further decrease CVOC concentrations in groundwater at the site, additional remedial actions would be necessary.

6.0 TABLES, FIGURES, AND ATTACHMENTS

The following tables, figures, and attachments are included as part of this letter report:

TABLES (following text)

Table 1	Groundwater Elevation Measurements
Table 2	Summary of Detected Compounds in May 2021 Groundwater Samples
Table 3	Statistical Summary of Detected Compounds in May 2021 Groundwater Samples
Table 4	Historical Summary of Detected Compounds in Groundwater Samples

FIGURES (following Tables)

Figure 1	Site Location
Figure 2	Site Plan
Figure 3	Injection Areas and Monitoring Well Locations
Figure 4	Bedrock Groundwater Elevation Contours (May 18, 2021)
Figure 5	Groundwater Analytical Results (Exceedances Only)

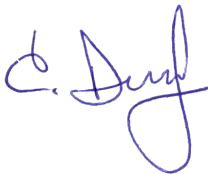
ATTACHMENTS (following Figures)

Attachment 1	Purge Logs
Attachment 2	Field Notes
Attachment 3	Data Usability Summary Report
Attachment 4	Investigation Derived Waste Disposal Documentation

Please contact me at 716-856-5636 if you have any questions or comments.

Sincerely,

URS Corporation

A handwritten signature in blue ink, appearing to read "C. Dusel, Jr.", with a stylized flourish at the end.

Charles Dusel, Jr.
Senior Project Manager

cc: File: 60628733
Don McCall, AECOM
George Kisluk, AECOM
Dan McDaid, AECOM

TABLES

TABLE 1
GROUNDWATER ELEVATION MEASUREMENTS
LAPP INSULATOR SITE

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Remark
BRW-01 MNW	1081955.7	1302497.01	906.2	905.73	D	12/2/2014 0000	18.25	887.48	
						6/6/2018 1334	15.63	890.10	
						9/27/2018 1130	15.25	890.48	
						4/17/2019 1029	12.75	892.98	
						5/19/2020 0810	15.29	890.44	
						5/18/2021 0940	15.48	890.25	
BRW-02 MNW	1081989.96	1302381.13	907.3	906.74	D	12/2/2014 0000	12.01	894.73	
						6/6/2018 0000	NM	-	Could not locate
						9/27/2018 0000	NM	-	Could not locate
						4/17/2019 1142	12.77	893.97	
						5/19/2020 0921	7.91	898.83	
						5/18/2021 0916	12.57	894.17	
SR-001 MNW	1081544.97	1301853.72	912.7	914.47	D	12/2/2014 0000	38.85	875.62	
						6/6/2018 1205	9.33	905.14	
						9/27/2018 1017	9.77	904.70	
						4/17/2019 1011	9.46	905.01	
						5/19/2020 0731	11.80	902.67	
						5/18/2021 0846	16.97	897.50	
SR-002 MNW	1081427.91	1301972.95	912.7	915.27	D	12/2/2014 0000	13.54	901.73	
						6/6/2018 1240	14.25	901.02	
						9/27/2018 1006	15.13	900.14	
						4/17/2019 1009	12.88	902.39	
						5/19/2020 0740	13.12	902.15	
						5/18/2021 0855	14.05	901.22	
SR-003 MNW	1081298.23	1302026.42	908.6	911.38	D	12/2/2014 0000	17.85	893.53	
						6/6/2018 1245	17.90	893.48	
						9/27/2018 1000	17.61	893.77	
						4/17/2019 1007	17.01	894.37	
						5/19/2020 0738	17.14	894.24	
						5/18/2021 0853	17.31	894.07	
SR-004 MNW	1082056.57	1302364.92	908.3	907.77	D	12/2/2014 0000	7.95	899.82	
						6/6/2018 0000	NM	-	Could not locate
						9/27/2018 1355	7.16	900.61	
						4/17/2019 1111	5.52	902.25	
						5/19/2020 0833	7.38	900.39	
						5/18/2021 0924	7.76	900.01	
SR-005 MNW	1081969.28	1302451.49	906.7	906.14	D	12/2/2014 0000	31.07	875.07	
						6/6/2018 1303	15.35	890.79	
						9/27/2018 1135	15.82	890.32	
						4/17/2019 1050	15.02	891.12	
						5/19/2020 0828	16.00	890.14	
						5/18/2021 0931	16.84	889.30	
SR-006 MNW	1081939.17	1302489.7	906.4	906.02	D	12/2/2014 0000	19.16	886.86	
						6/6/2018 1346	17.42	888.60	
						9/27/2018 1128	17.45	888.57	
						4/17/2019 1024	15.90	890.12	
						5/19/2020 0823	12.72	893.30	
						5/18/2021 0946	15.20	890.82	

TABLE 1
GROUNDWATER ELEVATION MEASUREMENTS
LAPP INSULATOR SITE

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Remark
SR-101 MNW	1083000.81	1301985.55	913.8	916.16	D	12/2/2014 0000	10.16	906.00	
						6/6/2018 1150	8.85	907.31	
						9/27/2018 0859	10.54	905.62	
						4/17/2019 1212	6.81	909.35	
						5/19/2020 1050	6.85	909.31	
						5/18/2021 1024	8.11	908.05	
SR-104 MNW	1081314.14	1301853.16	909.2	910.74	D	12/2/2014 0000	13.01	897.73	
						6/6/2018 1220	12.17	898.57	
						9/27/2018 1013	13.02	897.72	
						4/17/2019 1001	10.86	899.88	
						5/19/2020 0734	11.12	899.62	
						5/18/2021 0849	12.12	898.62	
SR-105 MNW	1082001.41	1302493.65	905.9	905.20	D	12/2/2014 0000	14.04	891.16	
						6/7/2018 0915	13.86	891.34	
						9/27/2018 0950	13.80	891.40	
						4/17/2019 1044	13.68	891.52	
						5/21/2020 1310	13.62	891.58	
						5/18/2021 0935	13.75	891.45	
SR-106 MNW	1082265.68	1302798.02	897.0	898.81	D	12/2/2014 0000	23.88	874.93	
						6/6/2018 1428	23.28	875.53	
						9/27/2018 0927	23.62	875.19	
						4/17/2019 1204	22.68	876.13	
						5/19/2020 0929	22.75	876.06	
						5/18/2021 0902	23.30	875.51	
SR-108 MNW	1081256.31	1301824.97	908.1	910.57	D	12/2/2014 0000	14.41	896.16	
						6/6/2018 1233	12.56	898.01	
						9/27/2018 1011	13.74	896.83	
						4/17/2019 959	12.10	898.47	
						5/19/2020 0736	11.90	898.67	
						5/18/2021 0851	12.42	898.15	

NM - No Measurement

Geologic Zone: D Bedrock Aquifer
Type: MNW Monitoring Well

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN MAY 2021 GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				BRW-01	BRW-02	SR-001	SR-002	SR-003
Sample ID				BRW-01	BRW-02	SR-001	SR-002	SR-003
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				05/20/21	05/19/21	05/18/21	05/19/21	05/19/21
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-	3,700	4,000			
1,1,2-Trichloroethane	UG/L	1	-					
1,1-Dichloroethane	UG/L	5	-	2,000	5,300		52	140
1,1-Dichloroethene	UG/L	5	-	640	400			38 J
1,2-Dichloroethane	UG/L	0.6	-					
1,2-Dichloroethene (cis)	UG/L	5	-	340			840	1,400
1,2-Dichloroethene (trans)	UG/L	5	-					
Acetone	UG/L	50	-			34		
Benzene	UG/L	1	-			8.8	8.6 J	
Chloroethane	UG/L	5	-					
Cyclohexane	UG/L	-	-			36	14 J	
Ethylbenzene	UG/L	5	-			2.2		
Methyl ethyl ketone (2-Butanone)	UG/L	50	-					
Methylcyclohexane	UG/L	-	-	13 J	14 J	23	10 J	
Methylene chloride	UG/L	5	-					
Tetrachloroethene	UG/L	5	-					
Toluene	UG/L	5	-			0.99 J		
Trichloroethene	UG/L	5	-	390	18 J		14 J	1,200
Vinyl chloride	UG/L	2	-				130	
Xylene (total)	UG/L	5	-			3.2		

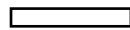
(1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.



Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criteria applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN MAY 2021 GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				BRW-01	BRW-02	SR-001	SR-002	SR-003
Sample ID				BRW-01	BRW-02	SR-001	SR-002	SR-003
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				05/20/21	05/19/21	05/18/21	05/19/21	05/19/21
Parameter	Units	(1)	(2)					
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	1,500 J	15	1.0	2.5	25

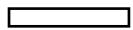
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SUMMARY OF DETECTED COMPOUNDS IN MAY 2021 GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-004	SR-005	SR-006	SR-101	SR-104
Sample ID				SR-004	SR-005	SR-006	SR-101	SR-104
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				05/19/21	05/20/21	05/20/21	05/18/21	05/19/21
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-		50,000	4,100		65
1,1,2-Trichloroethane	UG/L	1	-					
1,1-Dichloroethane	UG/L	5	-		37,000	7,700		98
1,1-Dichloroethene	UG/L	5	-		4,700	550		31 J
1,2-Dichloroethane	UG/L	0.6	-					
1,2-Dichloroethene (cis)	UG/L	5	-		520	320		3,600
1,2-Dichloroethene (trans)	UG/L	5	-					
Acetone	UG/L	50	-	5.6 J	6,900			
Benzene	UG/L	1	-	7.8				
Chloroethane	UG/L	5	-					
Cyclohexane	UG/L	-	-	7.7				
Ethylbenzene	UG/L	5	-	1.8				
Methyl ethyl ketone (2-Butanone)	UG/L	50	-		750 J			
Methylcyclohexane	UG/L	-	-	4.5		20 J		
Methylene chloride	UG/L	5	-					
Tetrachloroethene	UG/L	5	-					
Toluene	UG/L	5	-	8.8				
Trichloroethene	UG/L	5	-		15,000	870		2,300
Vinyl chloride	UG/L	2	-					
Xylene (total)	UG/L	5	-	7.9				

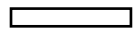
(1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.



Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criterial applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN MAY 2021 GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-004	SR-005	SR-006	SR-101	SR-104
Sample ID				SR-004	SR-005	SR-006	SR-101	SR-104
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				05/19/21	05/20/21	05/20/21	05/18/21	05/19/21
Parameter	Units	(1)	(2)					
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	14	1,600 J	250	2.5	0.90

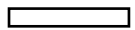
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(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

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Concentration Exceeds (1)



Concentration Exceeds (2)

-- No criteria. * - Criteria applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN MAY 2021 GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-105	SR-106	SR-106	SR-108
Sample ID				SR-105	FD-05182021	SR-106	SR-108
Matrix				Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-
Date Sampled				05/20/21	05/18/21	05/18/21	05/19/21
Parameter	Units	(1)	(2)		Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	-	140,000	970	960 D	
1,1,2-Trichloroethane	UG/L	1	-			1.0	
1,1-Dichloroethane	UG/L	5	-	75,000	4,000	4,200 D	57
1,1-Dichloroethene	UG/L	5	-	13,000	61 J	92	0.80 J
1,2-Dichloroethane	UG/L	0.6	-			1.1	
1,2-Dichloroethene (cis)	UG/L	5	-	23,000	190	190 D	27
1,2-Dichloroethene (trans)	UG/L	5	-			11	47
Acetone	UG/L	50	-	18,000 J			
Benzene	UG/L	1	-			0.55 J	
Chloroethane	UG/L	5	-		64 J	81 D	
Cyclohexane	UG/L	-	-				0.80 J
Ethylbenzene	UG/L	5	-				
Methyl ethyl ketone (2-Butanone)	UG/L	50	-				
Methylcyclohexane	UG/L	-	-			4.3	1.4
Methylene chloride	UG/L	5	-			1.4	
Tetrachloroethene	UG/L	5	-			1.8	
Toluene	UG/L	5	-			1.5	
Trichloroethene	UG/L	5	-	65,000	45 J	40	1.0
Vinyl chloride	UG/L	2	-		150	130 D	9.2
Xylene (total)	UG/L	5	-			1.5 J	

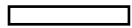
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(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.



Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criteria applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN MAY 2021 GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-105	SR-106	SR-106	SR-108
Sample ID				SR-105	FD-05182021	SR-106	SR-108
Matrix				Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-
Date Sampled				05/20/21	05/18/21	05/18/21	05/19/21
Parameter	Units	(1)	(2)		Field Duplicate (1-1)		
Semivolatile Organic Compounds							
1,4-Dioxane	UG/L	-	1	2,900 J	260	210	6.8

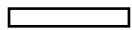
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Concentration Exceeds (1)



Concentration Exceeds (2)

-- No criteria. * - Criteria applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias.

Only Detected Results Reported.

TABLE 3
STATISTICAL SUMMARY OF DETECTED COMPOUNDS IN MAY 2021 GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
1,1,1-Trichloroethane	UG/L	5	13	7	65.00	1.40E+05	2.90E+04	7	SR-105	0-0
1,1,2,2-Tetrachloroethane	UG/L	5	13	-	-	-	-	0	-	
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	13	-	-	-	-	0	-	
1,1,2-Trichloroethane	UG/L	1	13	1	1.00	1.00	1.00	1	SR-106	0-0
1,1-Dichloroethane	UG/L	5	13	10	52.00	7.50E+04	1.32E+04	10	SR-105	0-0
1,1-Dichloroethene	UG/L	5	13	9	0.800	1.30E+04	2,161	8	SR-105	0-0
1,2,4-Trichlorobenzene	UG/L	5	13	-	-	-	-	0	-	
1,2-Dibromo-3-chloropropane	UG/L	0.04	13	-	-	-	-	0	-	
1,2-Dibromoethane (Ethylene dibromide)	UG/L	0.006	13	-	-	-	-	0	-	
1,2-Dichlorobenzene	UG/L	3	13	-	-	-	-	0	-	
1,2-Dichloroethane	UG/L	0.6	13	1	1.10	1.10	1.10	1	SR-106	0-0
1,2-Dichloroethene (cis)	UG/L	5	13	9	27.00	2.30E+04	3,360	9	SR-105	0-0
1,2-Dichloroethene (trans)	UG/L	5	13	2	11.00	47.00	29.00	2	SR-108	0-0
1,2-Dichloropropane	UG/L	1	13	-	-	-	-	0	-	
1,3-Dichlorobenzene	UG/L	3	13	-	-	-	-	0	-	
1,3-Dichloropropene (cis)	UG/L	0.4	13	-	-	-	-	0	-	
1,3-Dichloropropene (trans)	UG/L	0.4	13	-	-	-	-	0	-	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.



Concentration Exceeds Criteria

TABLE 3
STATISTICAL SUMMARY OF DETECTED COMPOUNDS IN MAY 2021 GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
1,4-Dichlorobenzene	UG/L	3	13	-	-	-	-	0	-	
2-Hexanone	UG/L	50	13	-	-	-	-	0	-	
4-Methyl-2-pentanone	UG/L	-	13	-	-	-	-	0	-	
Acetone	UG/L	50	13	4	5.60	1.80E+04	6,235	2	SR-105	0-0
Benzene	UG/L	1	13	4	0.550	8.80	6.44	3	SR-001	0-0
Bromodichloromethane	UG/L	50	13	-	-	-	-	0	-	
Bromoform	UG/L	50	13	-	-	-	-	0	-	
Bromomethane	UG/L	5	13	-	-	-	-	0	-	
Carbon disulfide	UG/L	60	13	-	-	-	-	0	-	
Carbon tetrachloride	UG/L	5	13	-	-	-	-	0	-	
Chlorobenzene	UG/L	5	13	-	-	-	-	0	-	
Chloroethane	UG/L	5	13	1	81.00	81.00	81.00	1	SR-106	0-0
Chloroform	UG/L	7	13	-	-	-	-	0	-	
Chloromethane	UG/L	5	13	-	-	-	-	0	-	
Cyclohexane	UG/L	-	13	4	0.800	36.00	14.63	0	SR-001	0-0
Dibromochloromethane	UG/L	50	13	-	-	-	-	0	-	
Dichlorodifluoromethane	UG/L	5	13	-	-	-	-	0	-	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.



Concentration Exceeds Criteria

TABLE 3
STATISTICAL SUMMARY OF DETECTED COMPOUNDS IN MAY 2021 GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Ethylbenzene	UG/L	5	13	2	1.80	2.20	2.00	0	SR-001	0-0
Isopropylbenzene (Cumene)	UG/L	5	13	-	-	-	-	0	-	
Methyl acetate	UG/L	-	13	-	-	-	-	0	-	
Methyl ethyl ketone (2-Butanone)	UG/L	50	13	1	750.0	750.0	750.0	1	SR-005	0-0
Methyl tert-butyl ether	UG/L	10	13	-	-	-	-	0	-	
Methylcyclohexane	UG/L	-	13	8	1.40	23.00	11.28	0	SR-001	0-0
Methylene chloride	UG/L	5	13	1	1.40	1.40	1.40	0	SR-106	0-0
Styrene	UG/L	5	13	-	-	-	-	0	-	
Tetrachloroethene	UG/L	5	13	1	1.80	1.80	1.80	0	SR-106	0-0
Toluene	UG/L	5	13	3	0.990	8.80	3.76	1	SR-004	0-0
Trichloroethene	UG/L	5	13	10	1.00	6.50E+04	8,483	9	SR-105	0-0
Trichlorofluoromethane	UG/L	5	13	-	-	-	-	0	-	
Vinyl chloride	UG/L	2	13	3	9.20	130.0	89.73	3	SR-106	0-0
Xylene (total)	UG/L	5	13	3	1.50	7.90	4.20	1	SR-004	0-0
Semivolatile Organic Compounds										
1,4-Dioxane	UG/L	-	13	13	0.900	2,900	502.1	0	SR-105	0-0

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.



Concentration Exceeds Criteria

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				BRW-01	BRW-01	BRW-01	BRW-01	BRW-01
Sample ID				BRW-1	BRW-01	BRW-01	FD-20190422	BRW-01
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/02/14	09/27/18	04/22/19	04/22/19	05/20/20
Parameter	Units	(1)	(2)				Field Duplicate (1-1)	
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-	120,000 D	1,700	100	99	1,100
1,1,2-Trichloroethane	UG/L	1	-					
1,1-Dichloroethane	UG/L	5	-	43,000 D	4,000	210	200	2,200
1,1-Dichloroethene	UG/L	5	-	8,600	840	54	51	220
1,2-Dichloroethane	UG/L	0.6	-	94 J				1.2
1,2-Dichloroethene (cis)	UG/L	5	-	2,700	1,100	52	50	520
1,2-Dichloroethene (trans)	UG/L	5	-					1.6
1,4-Dioxane	UG/L	-	1	NA	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					
Acetone	UG/L	50	-					
Benzene	UG/L	1	-			0.85 J	0.78 J	2.9
Carbon disulfide	UG/L	60	-					
Chloroethane	UG/L	5	-	40 J		0.51 J	0.57 J	20
Chloroform	UG/L	7	-					
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-			4.8 J	4.5 J	
Ethylbenzene	UG/L	5	-			0.39 J	0.41 J	0.87 J
Isopropylbenzene (Cumene)	UG/L	5	-					
Methyl ethyl ketone (2-Butanone)	UG/L	50	-					
Methylcyclohexane	UG/L	-	-			8.2	7.8	7.2

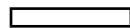
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Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criterial applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

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Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				BRW-01	BRW-01	BRW-01	BRW-01	BRW-01
Sample ID				BRW-1	BRW-01	BRW-01	FD-20190422	BRW-01
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/02/14	09/27/18	04/22/19	04/22/19	05/20/20
Parameter	Units	(1)	(2)				Field Duplicate (1-1)	
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-					
Tetrachloroethene	UG/L	5	-					
Toluene	UG/L	5	-			1.7	1.7	5.1
Trichloroethene	UG/L	5	-	14,000 D	350	76	75	250 D
Vinyl chloride	UG/L	2	-			2.1	2.0	64
Xylene (total)	UG/L	5	-			2.4 J	2.4 J	5.8
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	NA	NA	110	120	2,900 J
Metals								
Iron	UG/L	300	-	NA	NA	13,500	14,500	30,300
Manganese	UG/L	300	-	NA	NA	660 J+	660 J+	530
Dissolved Metals								
Iron	UG/L	300 *	-	NA	NA	6,500	6,100	4,200
Manganese	UG/L	300 *	-	NA	NA	740 J+	720 J+	410
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA	NA			
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	NA	24.8	31.1	35.0
Nitrate-Nitrogen	MG/L	10000	-	NA	NA			
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	NA	32.3	31.8	10.3 J

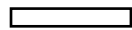
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Concentration Exceeds (2)

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Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				BRW-01	BRW-02	BRW-02	BRW-02	SR-001
Sample ID				BRW-01	BRW-02	BRW-02	BRW-02	SR-1
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				05/20/21	04/19/19	05/21/20	05/19/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-	3,700	4,000	2,300	4,000	
1,1,2-Trichloroethane	UG/L	1	-					
1,1-Dichloroethane	UG/L	5	-	2,000	3,700	2,200	5,300	1.9
1,1-Dichloroethene	UG/L	5	-	640	170	200	400	
1,2-Dichloroethane	UG/L	0.6	-					
1,2-Dichloroethene (cis)	UG/L	5	-	340				2.8
1,2-Dichloroethene (trans)	UG/L	5	-					
1,4-Dioxane	UG/L	-	1	NA	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					
Acetone	UG/L	50	-					9.8 J
Benzene	UG/L	1	-					69
Carbon disulfide	UG/L	60	-					
Chloroethane	UG/L	5	-		7.9 J			
Chloroform	UG/L	7	-					
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-		20 J			74
Ethylbenzene	UG/L	5	-					23
Isopropylbenzene (Cumene)	UG/L	5	-					3.1
Methyl ethyl ketone (2-Butanone)	UG/L	50	-					
Methylcyclohexane	UG/L	-	-	13 J	22 J	12 J	14 J	14

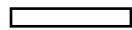
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Concentration Exceeds (1)



Concentration Exceeds (2)

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NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				BRW-01	BRW-02	BRW-02	BRW-02	SR-001
Sample ID				BRW-01	BRW-02	BRW-02	BRW-02	SR-1
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				05/20/21	04/19/19	05/21/20	05/19/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-					
Tetrachloroethene	UG/L	5	-					
Toluene	UG/L	5	-		8.0 J			170 D
Trichloroethene	UG/L	5	-	390	14 J	12 J	18 J	24
Vinyl chloride	UG/L	2	-					
Xylene (total)	UG/L	5	-		13 J			180 D
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	1,500 J	22	2.5	15	NA
Metals								
Iron	UG/L	300	-	NA	42,000	7,900	NA	NA
Manganese	UG/L	300	-	NA	550 J+	320	NA	NA
Dissolved Metals								
Iron	UG/L	300 *	-	NA	14,500	3,600	NA	NA
Manganese	UG/L	300 *	-	NA	440 J+	280	NA	NA
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA			NA	NA
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	35.4	35.4	NA	NA
Nitrate-Nitrogen	MG/L	10000	-	NA			NA	NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	5.2	36.8	NA	NA

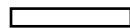
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(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.



Concentration Exceeds (1)



Concentration Exceeds (2)

-- No criteria. * - Criterial applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-001	SR-001	SR-001	SR-001	SR-002
Sample ID				SR-001	SR-001	SR-001	SR-001	SR-2
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/18/19	05/20/20	05/18/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-					19
1,1,2-Trichloroethane	UG/L	1	-					
1,1-Dichloroethane	UG/L	5	-		61			140 D
1,1-Dichloroethene	UG/L	5	-		0.62 J			25
1,2-Dichloroethane	UG/L	0.6	-					
1,2-Dichloroethene (cis)	UG/L	5	-		27			600 D
1,2-Dichloroethene (trans)	UG/L	5	-		29			38
1,4-Dioxane	UG/L	-	1	NA	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					
Acetone	UG/L	50	-	28		60	34	
Benzene	UG/L	1	-	37		4.8	8.8	150 D
Carbon disulfide	UG/L	60	-					
Chloroethane	UG/L	5	-					
Chloroform	UG/L	7	-					
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-	45		22	36	34
Ethylbenzene	UG/L	5	-	8.8		2.4	2.2	14
Isopropylbenzene (Cumene)	UG/L	5	-					0.86 J
Methyl ethyl ketone (2-Butanone)	UG/L	50	-	3.7 J		3.3 J		
Methylcyclohexane	UG/L	-	-	12	0.68 J	15	23	5.6

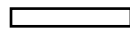
(1) - NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criterial applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-001	SR-001	SR-001	SR-001	SR-002
Sample ID				SR-001	SR-001	SR-001	SR-001	SR-2
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/18/19	05/20/20	05/18/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-					
Tetrachloroethene	UG/L	5	-					0.60 J
Toluene	UG/L	5	-	62		1.3	0.99 J	200 D
Trichloroethene	UG/L	5	-		6.4			570 D
Vinyl chloride	UG/L	2	-		3.9			28
Xylene (total)	UG/L	5	-	55		6.1	3.2	84
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	NA	7.5	1.2	1.0	NA
Metals								
Iron	UG/L	300	-	NA	9,800	13,600	NA	NA
Manganese	UG/L	300	-	NA	39 J+	190	NA	NA
Dissolved Metals								
Iron	UG/L	300 *	-	NA	69 J-	2,700	NA	NA
Manganese	UG/L	300 *	-	NA	13	140	NA	NA
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA			NA	NA
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	31.1	28.3	NA	NA
Nitrate-Nitrogen	MG/L	10000	-	NA			NA	NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	2.4 J	81.7	NA	NA

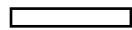
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Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criterial applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-002	SR-002	SR-002	SR-002	SR-003
Sample ID				SR-002	SR-002	SR-002	SR-002	SR-3
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/18/19	05/20/20	05/19/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-		86			300 D
1,1,2-Trichloroethane	UG/L	1	-					0.90 J
1,1-Dichloroethane	UG/L	5	-	46	97	56	52	250 D
1,1-Dichloroethene	UG/L	5	-	2.9 J	20	9.0 J		70
1,2-Dichloroethane	UG/L	0.6	-					0.50 J
1,2-Dichloroethene (cis)	UG/L	5	-	210	1,800 D	960	840	3,600 D
1,2-Dichloroethene (trans)	UG/L	5	-	12	26			17
1,4-Dioxane	UG/L	-	1	NA	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					
Acetone	UG/L	50	-	17 J				
Benzene	UG/L	1	-	170		15 J	8.6 J	
Carbon disulfide	UG/L	60	-		0.48 J			
Chloroethane	UG/L	5	-					0.54 J
Chloroform	UG/L	7	-					0.69 J
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-	40		18 J	14 J	
Ethylbenzene	UG/L	5	-	19				
Isopropylbenzene (Cumene)	UG/L	5	-					
Methyl ethyl ketone (2-Butanone)	UG/L	50	-					
Methylcyclohexane	UG/L	-	-	7.2		11 J	10 J	0.62 J

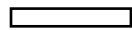
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Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criterial applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

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J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-002	SR-002	SR-002	SR-002	SR-003
Sample ID				SR-002	SR-002	SR-002	SR-002	SR-3
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/18/19	05/20/20	05/19/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-					
Tetrachloroethene	UG/L	5	-					34
Toluene	UG/L	5	-	81		14 J		
Trichloroethene	UG/L	5	-	8.5	4,300 D	99	14 J	6,000 D
Vinyl chloride	UG/L	2	-	160	2.8	89	130	28
Xylene (total)	UG/L	5	-	28				
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	NA	0.60	3.9	2.5	NA
Metals								
Iron	UG/L	300	-	NA	17,200	13,000	NA	NA
Manganese	UG/L	300	-	NA	140 J+	95	NA	NA
Dissolved Metals								
Iron	UG/L	300 *	-	NA	990 J-	2,700	NA	NA
Manganese	UG/L	300 *	-	NA	71	79	NA	NA
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA			NA	NA
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	7.6 J	22.6	NA	NA
Nitrate-Nitrogen	MG/L	10000	-	NA			NA	NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	17.7	42.9	NA	NA

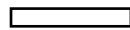
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Concentration Exceeds (1)



Concentration Exceeds (2)

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J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-003	SR-003	SR-003	SR-003	SR-003
Sample ID				SR-003	SR-003	FD-052020	SR-003	SR-003
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/18/19	05/20/20	05/20/20	05/19/21
Parameter	Units	(1)	(2)			Field Duplicate (1-1)		
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-				21	
1,1,2-Trichloroethane	UG/L	1	-					
1,1-Dichloroethane	UG/L	5	-	260		170	180 D	140
1,1-Dichloroethene	UG/L	5	-	57 J		29 J	31	38 J
1,2-Dichloroethane	UG/L	0.6	-					
1,2-Dichloroethene (cis)	UG/L	5	-	2,400		1,900	2,000 D	1,400
1,2-Dichloroethene (trans)	UG/L	5	-				11	
1,4-Dioxane	UG/L	-	1	13	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					
Acetone	UG/L	50	-		24 J			
Benzene	UG/L	1	-		12			
Carbon disulfide	UG/L	60	-					
Chloroethane	UG/L	5	-				3.7	
Chloroform	UG/L	7	-					
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-		54			
Ethylbenzene	UG/L	5	-		3.3			
Isopropylbenzene (Cumene)	UG/L	5	-		0.62 J			
Methyl ethyl ketone (2-Butanone)	UG/L	50	-					
Methylcyclohexane	UG/L	-	-		40			

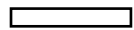
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Concentration Exceeds (1)



Concentration Exceeds (2)

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TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-003	SR-003	SR-003	SR-003	SR-003
Sample ID				SR-003	SR-003	FD-052020	SR-003	SR-003
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/18/19	05/20/20	05/20/20	05/19/21
Parameter	Units	(1)	(2)			Field Duplicate (1-1)		
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-	48 J				
Tetrachloroethene	UG/L	5	-				6.6	
Toluene	UG/L	5	-		18			
Trichloroethene	UG/L	5	-	2,900		1,900	2,000 D	1,200
Vinyl chloride	UG/L	2	-				22	
Xylene (total)	UG/L	5	-		21			
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	NA	1.3	20	19	25
Metals								
Iron	UG/L	300	-	NA	86,400	870	860	NA
Manganese	UG/L	300	-	NA	1,100 J+	85	87	NA
Dissolved Metals								
Iron	UG/L	300 *	-	NA	3,300 J-	750	770	NA
Manganese	UG/L	300 *	-	NA	160	72	70	NA
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA				NA
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	43.6	22.9	24.5	NA
Nitrate-Nitrogen	MG/L	10000	-	NA				NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	106	211	212	NA

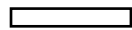
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Concentration Exceeds (1)



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Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-004	SR-004	SR-004	SR-004	SR-005
Sample ID				SR-4	SR-004	SR-004	SR-004	SR-5
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/02/14	04/19/19	05/19/20	05/19/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-					7,000 D
1,1,2-Trichloroethane	UG/L	1	-					5.2
1,1-Dichloroethane	UG/L	5	-					7,000 D
1,1-Dichloroethene	UG/L	5	-					340 J
1,2-Dichloroethane	UG/L	0.6	-					18
1,2-Dichloroethene (cis)	UG/L	5	-					26
1,2-Dichloroethene (trans)	UG/L	5	-					
1,4-Dioxane	UG/L	-	1	NA	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					2.9 J
Acetone	UG/L	50	-			6.1 J	5.6 J	130
Benzene	UG/L	1	-	140 D	6.8	7.3	7.8	300 D
Carbon disulfide	UG/L	60	-					0.66 J
Chloroethane	UG/L	5	-					10
Chloroform	UG/L	7	-					0.82 J
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-	39	6.9	5.0	7.7	14
Ethylbenzene	UG/L	5	-	8.9	1.5	1.7	1.8	12
Isopropylbenzene (Cumene)	UG/L	5	-					
Methyl ethyl ketone (2-Butanone)	UG/L	50	-					15
Methylcyclohexane	UG/L	-	-	5.8	3.3 J	3.2	4.5	3.0

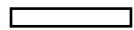
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Concentration Exceeds (1)



Concentration Exceeds (2)

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TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-004	SR-004	SR-004	SR-004	SR-005
Sample ID				SR-4	SR-004	SR-004	SR-004	SR-5
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/02/14	04/19/19	05/19/20	05/19/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-					7.4
Tetrachloroethene	UG/L	5	-					
Toluene	UG/L	5	-	160 D	2.4	5.8	8.8	250 D
Trichloroethene	UG/L	5	-	0.69 J				1,300 D
Vinyl chloride	UG/L	2	-					5.4
Xylene (total)	UG/L	5	-	130	5.4	5.4	7.9	68
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	NA	0.57	11	14	NA
Metals								
Iron	UG/L	300	-	NA	48,900	13,800	NA	NA
Manganese	UG/L	300	-	NA	620 J+	89	NA	NA
Dissolved Metals								
Iron	UG/L	300 *	-	NA	190	1,400	NA	NA
Manganese	UG/L	300 *	-	NA	48 J+	38	NA	NA
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA			NA	NA
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	50.2		NA	NA
Nitrate-Nitrogen	MG/L	10000	-	NA			NA	NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	23.3		NA	NA

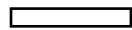
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Concentration Exceeds (1)



Concentration Exceeds (2)

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Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

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NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-005	SR-005	SR-005	SR-005	SR-006
Sample ID				SR-005	SR-005	SR-005	SR-005	SR-6
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/19/19	05/21/20	05/20/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-	13,000	1,200	29,000	50,000	77,000 D
1,1,2-Trichloroethane	UG/L	1	-					10
1,1-Dichloroethane	UG/L	5	-	30,000	17,000	37,000	37,000	34,000 D
1,1-Dichloroethene	UG/L	5	-	1,400	500	940	4,700	15,000 J
1,2-Dichloroethane	UG/L	0.6	-			42 J		35
1,2-Dichloroethene (cis)	UG/L	5	-	2,200	230	230	520	4,200 D
1,2-Dichloroethene (trans)	UG/L	5	-					
1,4-Dioxane	UG/L	-	1	NA	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					
Acetone	UG/L	50	-			7,800	6,900	100
Benzene	UG/L	1	-		83 J	75 J		86
Carbon disulfide	UG/L	60	-					8.6 J
Chloroethane	UG/L	5	-		78 J	120		42
Chloroform	UG/L	7	-					2.9
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-		72 J			
Ethylbenzene	UG/L	5	-					19
Isopropylbenzene (Cumene)	UG/L	5	-					1.7
Methyl ethyl ketone (2-Butanone)	UG/L	50	-			1,200	750 J	
Methylcyclohexane	UG/L	-	-		38 J	26 J		12

(1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.

 Concentration Exceeds (1)
 Concentration Exceeds (2)

- - No criteria. * - Criterial applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-005	SR-005	SR-005	SR-005	SR-006
Sample ID				SR-005	SR-005	SR-005	SR-005	SR-6
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/19/19	05/21/20	05/20/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-					36
Tetrachloroethene	UG/L	5	-					3.2
Toluene	UG/L	5	-		96 J	100		140 J
Trichloroethene	UG/L	5	-	3,200	1,900	12,000	15,000	9,500 D
Vinyl chloride	UG/L	2	-					150 J
Xylene (total)	UG/L	5	-					120
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	NA	1,200	1,300	1,600 J	NA
Metals								
Iron	UG/L	300	-	NA	140,000	93,300	NA	NA
Manganese	UG/L	300	-	NA	1,700 J+	1,200	NA	NA
Dissolved Metals								
Iron	UG/L	300 *	-	NA	129,000	85,100	NA	NA
Manganese	UG/L	300 *	-	NA	1,500 J+	1,200	NA	NA
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA	9.3	28.8	NA	NA
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	80.6	107	NA	NA
Nitrate-Nitrogen	MG/L	10000	-	NA			NA	NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	31.4	7.7 J	NA	NA

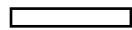
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Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criterial applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-006	SR-006	SR-006	SR-006	SR-101
Sample ID				SR-006	SR-006	SR-006	SR-006	SR-101
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/22/19	05/21/20	05/20/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-	2,900	2,200	2,500	4,100	
1,1,2-Trichloroethane	UG/L	1	-					
1,1-Dichloroethane	UG/L	5	-	31,000	7,100	7,600 D	7,700	
1,1-Dichloroethene	UG/L	5	-	850	360	230	550	
1,2-Dichloroethane	UG/L	0.6	-					
1,2-Dichloroethene (cis)	UG/L	5	-		550	420	320	
1,2-Dichloroethene (trans)	UG/L	5	-					
1,4-Dioxane	UG/L	-	1	NA	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					
Acetone	UG/L	50	-					
Benzene	UG/L	1	-		33 J	29 J		7.2
Carbon disulfide	UG/L	60	-					
Chloroethane	UG/L	5	-	160 J				
Chloroform	UG/L	7	-					
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-					
Ethylbenzene	UG/L	5	-					
Isopropylbenzene (Cumene)	UG/L	5	-					
Methyl ethyl ketone (2-Butanone)	UG/L	50	-			190 J		
Methylcyclohexane	UG/L	-	-		30 J		20 J	

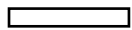
(1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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Concentration Exceeds (1)



Concentration Exceeds (2)

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Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-006	SR-006	SR-006	SR-006	SR-101
Sample ID				SR-006	SR-006	SR-006	SR-006	SR-101
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/22/19	05/21/20	05/20/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-					
Tetrachloroethene	UG/L	5	-					
Toluene	UG/L	5	-		43 J	36 J		
Trichloroethene	UG/L	5	-	3,600	680	860	870	
Vinyl chloride	UG/L	2	-					
Xylene (total)	UG/L	5	-					
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	NA	290	290	250	NA
Metals								
Iron	UG/L	300	-	NA	16,000	7,700	NA	NA
Manganese	UG/L	300	-	NA	280 J+	160	NA	NA
Dissolved Metals								
Iron	UG/L	300 *	-	NA	3,500	3,300	NA	NA
Manganese	UG/L	300 *	-	NA	170 J+	130	NA	NA
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA		2.2	NA	NA
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	39.3	38.8	NA	NA
Nitrate-Nitrogen	MG/L	10000	-	NA			NA	NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	31.2	13.2	NA	NA

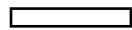
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Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criterial applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-101	SR-101	SR-101	SR-101	SR-104
Sample ID				SR-101	SR-101	SR-101	SR-101	SR-104
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/17/19	05/19/20	05/18/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-					1.3
1,1,2-Trichloroethane	UG/L	1	-					
1,1-Dichloroethane	UG/L	5	-					15
1,1-Dichloroethene	UG/L	5	-					4.2
1,2-Dichloroethane	UG/L	0.6	-					
1,2-Dichloroethene (cis)	UG/L	5	-					280 D
1,2-Dichloroethene (trans)	UG/L	5	-					16
1,4-Dioxane	UG/L	-	1	2.8	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					
Acetone	UG/L	50	-	3.8 J				
Benzene	UG/L	1	-	0.59 J				
Carbon disulfide	UG/L	60	-					
Chloroethane	UG/L	5	-					
Chloroform	UG/L	7	-					
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-					
Ethylbenzene	UG/L	5	-					
Isopropylbenzene (Cumene)	UG/L	5	-					
Methyl ethyl ketone (2-Butanone)	UG/L	50	-					
Methylcyclohexane	UG/L	-	-		0.93 J			

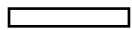
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Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criteria applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

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Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-101	SR-101	SR-101	SR-101	SR-104
Sample ID				SR-101	SR-101	SR-101	SR-101	SR-104
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	04/17/19	05/19/20	05/18/21	12/02/14
Parameter	Units	(1)	(2)					
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-					
Tetrachloroethene	UG/L	5	-					
Toluene	UG/L	5	-					
Trichloroethene	UG/L	5	-					12,000 D
Vinyl chloride	UG/L	2	-					
Xylene (total)	UG/L	5	-					
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	NA	3.3	1.9	2.5	NA
Metals								
Iron	UG/L	300	-	NA	4,100 J-	470	NA	NA
Manganese	UG/L	300	-	NA	61	20	NA	NA
Dissolved Metals								
Iron	UG/L	300 *	-	NA	110	120	NA	NA
Manganese	UG/L	300 *	-	NA	28 J-	17	NA	NA
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA			NA	NA
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	29.4		NA	NA
Nitrate-Nitrogen	MG/L	10000	-	NA			NA	NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	118	116	NA	NA

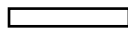
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Concentration Exceeds (1)



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NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-104	SR-104	SR-104	SR-104	SR-104
Sample ID				FD-092718	SR-104	SR-104	SR-104	SR-104
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	09/27/18	04/18/19	05/20/20	05/19/21
Parameter	Units	(1)	(2)	Field Duplicate (1-1)				
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-			45	61	65
1,1,2-Trichloroethane	UG/L	1	-					
1,1-Dichloroethane	UG/L	5	-			230	74	98
1,1-Dichloroethene	UG/L	5	-			46	14	31 J
1,2-Dichloroethane	UG/L	0.6	-					
1,2-Dichloroethene (cis)	UG/L	5	-	800	670	1,800	2,900	3,600
1,2-Dichloroethene (trans)	UG/L	5	-			9.0 J	14	
1,4-Dioxane	UG/L	-	1	NA	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					
Acetone	UG/L	50	-					
Benzene	UG/L	1	-			4.9 J		
Carbon disulfide	UG/L	60	-					
Chloroethane	UG/L	5	-					
Chloroform	UG/L	7	-					
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-					
Ethylbenzene	UG/L	5	-					
Isopropylbenzene (Cumene)	UG/L	5	-					
Methyl ethyl ketone (2-Butanone)	UG/L	50	-					
Methylcyclohexane	UG/L	-	-					

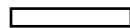
(1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criteria applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

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Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-104	SR-104	SR-104	SR-104	SR-104
Sample ID				FD-092718	SR-104	SR-104	SR-104	SR-104
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				09/27/18	09/27/18	04/18/19	05/20/20	05/19/21
Parameter	Units	(1)	(2)	Field Duplicate (1-1)				
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-		93 J			
Tetrachloroethene	UG/L	5	-			10		
Toluene	UG/L	5	-					
Trichloroethene	UG/L	5	-	15,000	14,000	2,700 D	2,800	2,300
Vinyl chloride	UG/L	2	-			33		
Xylene (total)	UG/L	5	-					
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	NA	NA	12	0.49	0.90
Metals								
Iron	UG/L	300	-	NA	NA	940	19,100	NA
Manganese	UG/L	300	-	NA	NA	61 J+	120	NA
Dissolved Metals								
Iron	UG/L	300 *	-	NA	NA	380 J-	1,200	NA
Manganese	UG/L	300 *	-	NA	NA	51	88	NA
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA	NA			NA
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	NA	11.3	33.1	NA
Nitrate-Nitrogen	MG/L	10000	-	NA	NA			NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	NA	36.4	11.0	NA

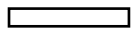
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Concentration Exceeds (1)



Concentration Exceeds (2)

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Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

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NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-105	SR-105	SR-105	SR-105	SR-105
Sample ID				FD-120214-01	SR-105	SR-105	SR-105	SR-105
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/02/14	12/02/14	09/27/18	04/22/19	05/21/20
Parameter	Units	(1)	(2)	Field Duplicate (1-1)				
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-	220,000 D	140,000 D	180,000 J	200,000	170,000
1,1,2-Trichloroethane	UG/L	1	-		25			
1,1-Dichloroethane	UG/L	5	-	79,000 D	64,000 D	94,000 J	75,000	74,000
1,1-Dichloroethene	UG/L	5	-	11,000 J	21,000 J	2,100 J	3,100	3,700
1,2-Dichloroethane	UG/L	0.6	-	160	130 J			110 J
1,2-Dichloroethene (cis)	UG/L	5	-	3,600	3,200 J	7,600 J	7,600	9,200
1,2-Dichloroethene (trans)	UG/L	5	-					
1,4-Dioxane	UG/L	-	1	NA	NA	4,600	NA	NA
2-Hexanone	UG/L	50	-		1.6 J			
Acetone	UG/L	50	-	1,300 J	480 J	22,000 J	19,000 J	22,000
Benzene	UG/L	1	-		1.2			
Carbon disulfide	UG/L	60	-		4.6 J			
Chloroethane	UG/L	5	-	150	160 J			
Chloroform	UG/L	7	-		3.9			
Chloromethane	UG/L	5	-		0.87 J			
Cyclohexane	UG/L	-	-					
Ethylbenzene	UG/L	5	-					
Isopropylbenzene (Cumene)	UG/L	5	-					
Methyl ethyl ketone (2-Butanone)	UG/L	50	-					
Methylcyclohexane	UG/L	-	-					

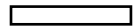
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(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.



Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criteria applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

Empty Cell - Not Detected. D - Result reported from a secondary dilution analysis.

J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-105	SR-105	SR-105	SR-105	SR-105
Sample ID				FD-120214-01	SR-105	SR-105	SR-105	SR-105
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/02/14	12/02/14	09/27/18	04/22/19	05/21/20
Parameter	Units	(1)	(2)	Field Duplicate (1-1)				
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-		87	2,200 J		
Tetrachloroethene	UG/L	5	-		8.0			
Toluene	UG/L	5	-		2.1			
Trichloroethene	UG/L	5	-	76,000 DJ	45,000 DJ	82,000 J	92,000	81,000
Vinyl chloride	UG/L	2	-	120 J	310 J			
Xylene (total)	UG/L	5	-		1.2 J			
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	NA	NA	NA	3,100	2,400 J
Metals								
Iron	UG/L	300	-	NA	NA	NA	14,100	8,300
Manganese	UG/L	300	-	NA	NA	NA	310 J+	260
Dissolved Metals								
Iron	UG/L	300 *	-	NA	NA	NA	11,100	6,900
Manganese	UG/L	300 *	-	NA	NA	NA	270 J+	240
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA	NA	NA	57.8 J	48.1 J-
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	NA	NA	127	121
Nitrate-Nitrogen	MG/L	10000	-	NA	NA	NA		
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	NA	NA	11.8	184

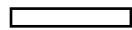
(1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.



Concentration Exceeds (1)



Concentration Exceeds (2)

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J - The reported concentration is an estimated value. J- - Estimated value, low bias. J+ - Estimated value, high bias.

NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-105	SR-106	SR-106	SR-106	SR-106
Sample ID				SR-105	SR-106	FD2-092718	SR-106	SR-106
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				05/20/21	12/02/14	09/27/18	09/27/18	04/17/19
Parameter	Units	(1)	(2)			Field Duplicate (1-1)		
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-	140,000	3,600 D	NA	1,800	1,100
1,1,2-Trichloroethane	UG/L	1	-		3.0	NA		
1,1-Dichloroethane	UG/L	5	-	75,000	9,900 D	NA	7,200	3,300
1,1-Dichloroethene	UG/L	5	-	13,000	210 D	NA	89 J	59
1,2-Dichloroethane	UG/L	0.6	-		2.0	NA		
1,2-Dichloroethene (cis)	UG/L	5	-	23,000	450 D	NA	420	250
1,2-Dichloroethene (trans)	UG/L	5	-		11	NA		8.8 J
1,4-Dioxane	UG/L	-	1	NA	NA	550	520	NA
2-Hexanone	UG/L	50	-			NA		
Acetone	UG/L	50	-	18,000 J	8.6 J	NA		
Benzene	UG/L	1	-		0.68 J	NA		
Carbon disulfide	UG/L	60	-			NA		
Chloroethane	UG/L	5	-		100 J	NA	160 J	91
Chloroform	UG/L	7	-		0.34 J	NA		
Chloromethane	UG/L	5	-			NA		
Cyclohexane	UG/L	-	-			NA		
Ethylbenzene	UG/L	5	-			NA		
Isopropylbenzene (Cumene)	UG/L	5	-			NA		
Methyl ethyl ketone (2-Butanone)	UG/L	50	-			NA		
Methylcyclohexane	UG/L	-	-		0.57 J	NA		

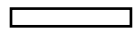
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(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.



Concentration Exceeds (1)



Concentration Exceeds (2)

- - No criteria. * - Criteria applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

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NA - Not analyzed.

Only Detected Results Reported.

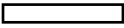
TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-105	SR-106	SR-106	SR-106	SR-106
Sample ID				SR-105	SR-106	FD2-092718	SR-106	SR-106
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				05/20/21	12/02/14	09/27/18	09/27/18	04/17/19
Parameter	Units	(1)	(2)			Field Duplicate (1-1)		
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-		1.5	NA		
Tetrachloroethene	UG/L	5	-		13	NA		
Toluene	UG/L	5	-		1.8	NA		
Trichloroethene	UG/L	5	-	65,000	69	NA		58
Vinyl chloride	UG/L	2	-		95	NA		100
Xylene (total)	UG/L	5	-		1.5 J	NA		
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	2,900 J	NA	NA	NA	240
Metals								
Iron	UG/L	300	-	NA	NA	NA	NA	2,900 J-
Manganese	UG/L	300	-	NA	NA	NA	NA	49
Dissolved Metals								
Iron	UG/L	300 *	-	NA	NA	NA	NA	690
Manganese	UG/L	300 *	-	NA	NA	NA	NA	41 J-
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-	NA	NA	NA	NA	
Chemical Oxygen Demand (COD)	MG/L	-	-	NA	NA	NA	NA	119
Nitrate-Nitrogen	MG/L	10000	-	NA	NA	NA	NA	0.79
Sulfate (as SO ₄)	MG/L	2.50E+05	-	NA	NA	NA	NA	142

(1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.

 Concentration Exceeds (1)
 Concentration Exceeds (2)

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NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-106	SR-106	SR-106	SR-108	SR-108
Sample ID				SR-106	FD-05182021	SR-106	SR-108	SR-108
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				05/21/20	05/18/21	05/18/21	12/02/14	09/27/18
Parameter	Units	(1)	(2)		Field Duplicate (1-1)			
Volatile Organic Compounds								
1,1,1-Trichloroethane	UG/L	5	-	890	970	960 D		
1,1,2-Trichloroethane	UG/L	1	-			1.0		
1,1-Dichloroethane	UG/L	5	-	2,700 D	4,000	4,200 D	190	130
1,1-Dichloroethene	UG/L	5	-	54	61 J	92	16 J	2.1 J
1,2-Dichloroethane	UG/L	0.6	-			1.1		
1,2-Dichloroethene (cis)	UG/L	5	-	200	190	190 D	520	39
1,2-Dichloroethene (trans)	UG/L	5	-			11	52	50
1,4-Dioxane	UG/L	-	1	NA	NA	NA	NA	NA
2-Hexanone	UG/L	50	-					
Acetone	UG/L	50	-					17 J
Benzene	UG/L	1	-			0.55 J		
Carbon disulfide	UG/L	60	-					
Chloroethane	UG/L	5	-	110	64 J	81 D		
Chloroform	UG/L	7	-					
Chloromethane	UG/L	5	-					
Cyclohexane	UG/L	-	-					2.0 J
Ethylbenzene	UG/L	5	-					
Isopropylbenzene (Cumene)	UG/L	5	-					
Methyl ethyl ketone (2-Butanone)	UG/L	50	-					
Methylcyclohexane	UG/L	-	-			4.3		2.2 J

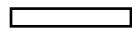
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(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.



Concentration Exceeds (1)



Concentration Exceeds (2)

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NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-106	SR-106	SR-106	SR-108	SR-108
Sample ID				SR-106	FD-05182021	SR-106	SR-108	SR-108
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				05/21/20	05/18/21	05/18/21	12/02/14	09/27/18
Parameter	Units	(1)	(2)		Field Duplicate (1-1)			
Volatile Organic Compounds								
Methylene chloride	UG/L	5	-			1.4		
Tetrachloroethene	UG/L	5	-			1.8		
Toluene	UG/L	5	-			1.5		
Trichloroethene	UG/L	5	-	56	45 J	40	200	3.5 J
Vinyl chloride	UG/L	2	-	110	150	130 D		18
Xylene (total)	UG/L	5	-			1.5 J		
Semivolatile Organic Compounds								
1,4-Dioxane	UG/L	-	1	250	260	210	NA	NA
Metals								
Iron	UG/L	300	-	910	NA	NA	NA	NA
Manganese	UG/L	300	-	52	NA	NA	NA	NA
Dissolved Metals								
Iron	UG/L	300 *	-	620	NA	NA	NA	NA
Manganese	UG/L	300 *	-	47	NA	NA	NA	NA
Miscellaneous Parameters								
Biochemical Oxygen Demand (BOD)	MG/L	-	-		NA	NA	NA	NA
Chemical Oxygen Demand (COD)	MG/L	-	-	33.4	NA	NA	NA	NA
Nitrate-Nitrogen	MG/L	10000	-	0.83 J	NA	NA	NA	NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	157	NA	NA	NA	NA

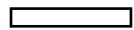
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(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

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Concentration Exceeds (1)



Concentration Exceeds (2)

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NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-108	SR-108	SR-108
Sample ID				SR-108	SR-108	SR-108
Matrix				Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-
Date Sampled				04/18/19	05/20/20	05/19/21
Parameter	Units	(1)	(2)			
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	5	-	12		
1,1,2-Trichloroethane	UG/L	1	-			
1,1-Dichloroethane	UG/L	5	-	43	57	57
1,1-Dichloroethene	UG/L	5	-	9.5	1.1	0.80 J
1,2-Dichloroethane	UG/L	0.6	-			
1,2-Dichloroethene (cis)	UG/L	5	-	480 D	29	27
1,2-Dichloroethene (trans)	UG/L	5	-	17	42	47
1,4-Dioxane	UG/L	-	1	NA	NA	NA
2-Hexanone	UG/L	50	-			
Acetone	UG/L	50	-			
Benzene	UG/L	1	-	2.8		
Carbon disulfide	UG/L	60	-			
Chloroethane	UG/L	5	-			
Chloroform	UG/L	7	-			
Chloromethane	UG/L	5	-			
Cyclohexane	UG/L	-	-	6.0		0.80 J
Ethylbenzene	UG/L	5	-	0.34 J		
Isopropylbenzene (Cumene)	UG/L	5	-			
Methyl ethyl ketone (2-Butanone)	UG/L	50	-			
Methylcyclohexane	UG/L	-	-	8.4	1.5	1.4

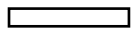
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(2) - Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

Flags assigned during chemistry validation are shown.



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Concentration Exceeds (2)

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NA - Not analyzed.

Only Detected Results Reported.

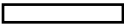
TABLE 4
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
LAPP INSULATOR SITE

Location ID				SR-108	SR-108	SR-108
Sample ID				SR-108	SR-108	SR-108
Matrix				Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-
Date Sampled				04/18/19	05/20/20	05/19/21
Parameter	Units	(1)	(2)			
Volatile Organic Compounds						
Methylene chloride	UG/L	5	-			
Tetrachloroethene	UG/L	5	-	0.35 J		
Toluene	UG/L	5	-	1.4		
Trichloroethene	UG/L	5	-	530 D	2.1	1.0
Vinyl chloride	UG/L	2	-	47	9.0	9.2
Xylene (total)	UG/L	5	-			
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	-	1	1.7	7.4	6.8
Metals						
Iron	UG/L	300	-	28,500	12,100	NA
Manganese	UG/L	300	-	160 J+	34	NA
Dissolved Metals						
Iron	UG/L	300 *	-	1,300 J-	86	NA
Manganese	UG/L	300 *	-	58	8.1	NA
Miscellaneous Parameters						
Biochemical Oxygen Demand (BOD)	MG/L	-	-			NA
Chemical Oxygen Demand (COD)	MG/L	-	-	21.2	23.2	NA
Nitrate-Nitrogen	MG/L	10000	-			NA
Sulfate (as SO ₄)	MG/L	2.50E+05	-	11.8		NA

(1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

(2)- Recommended Screening Level - New York State Drinking Water Quality Council (DWQC), January 2019

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 Concentration Exceeds (1)
 Concentration Exceeds (2)

- - No criteria. * - Criterial applicable for unfiltered metals. UG/L - Micrograms per liter. MG/L - Milligrams per liter.

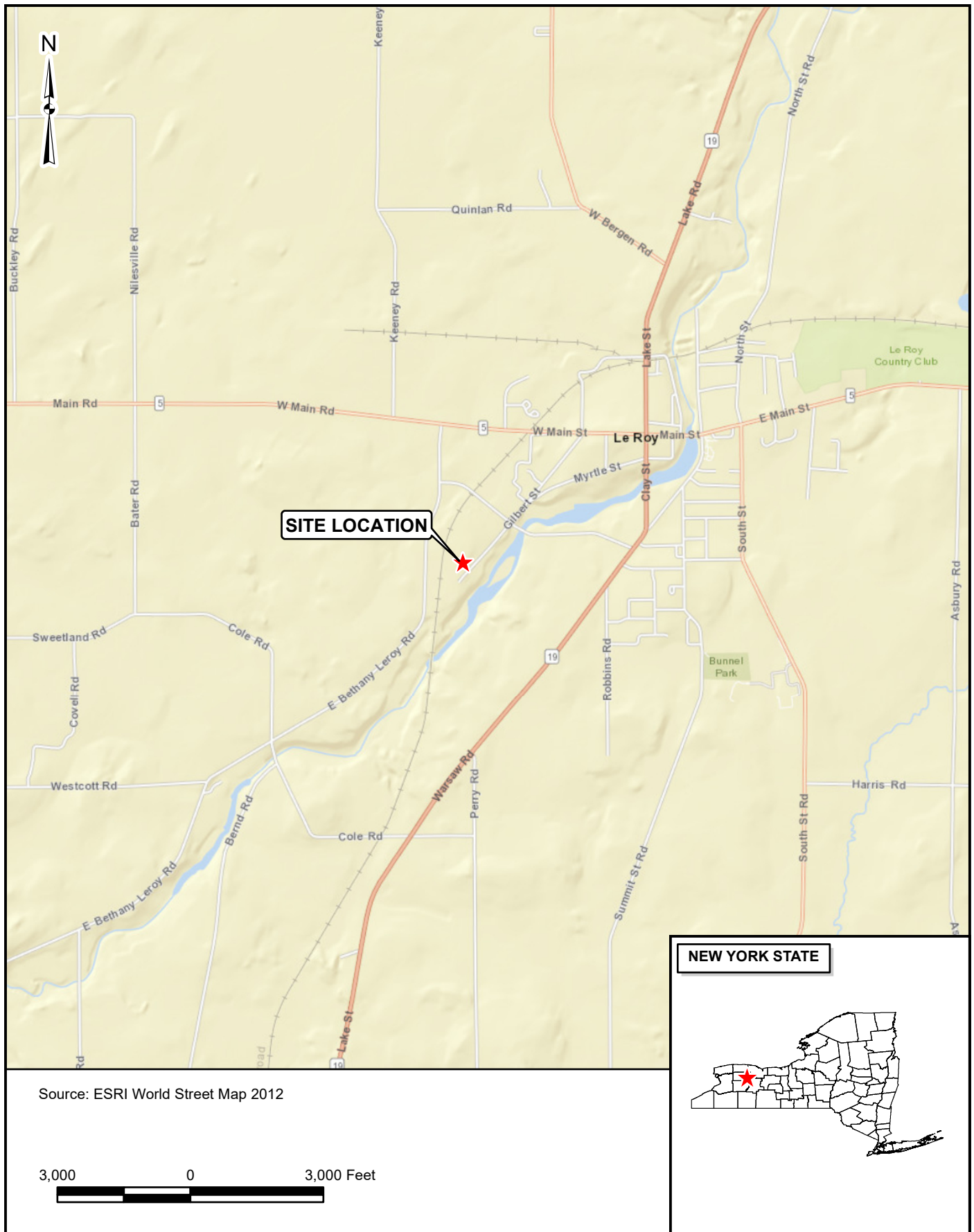
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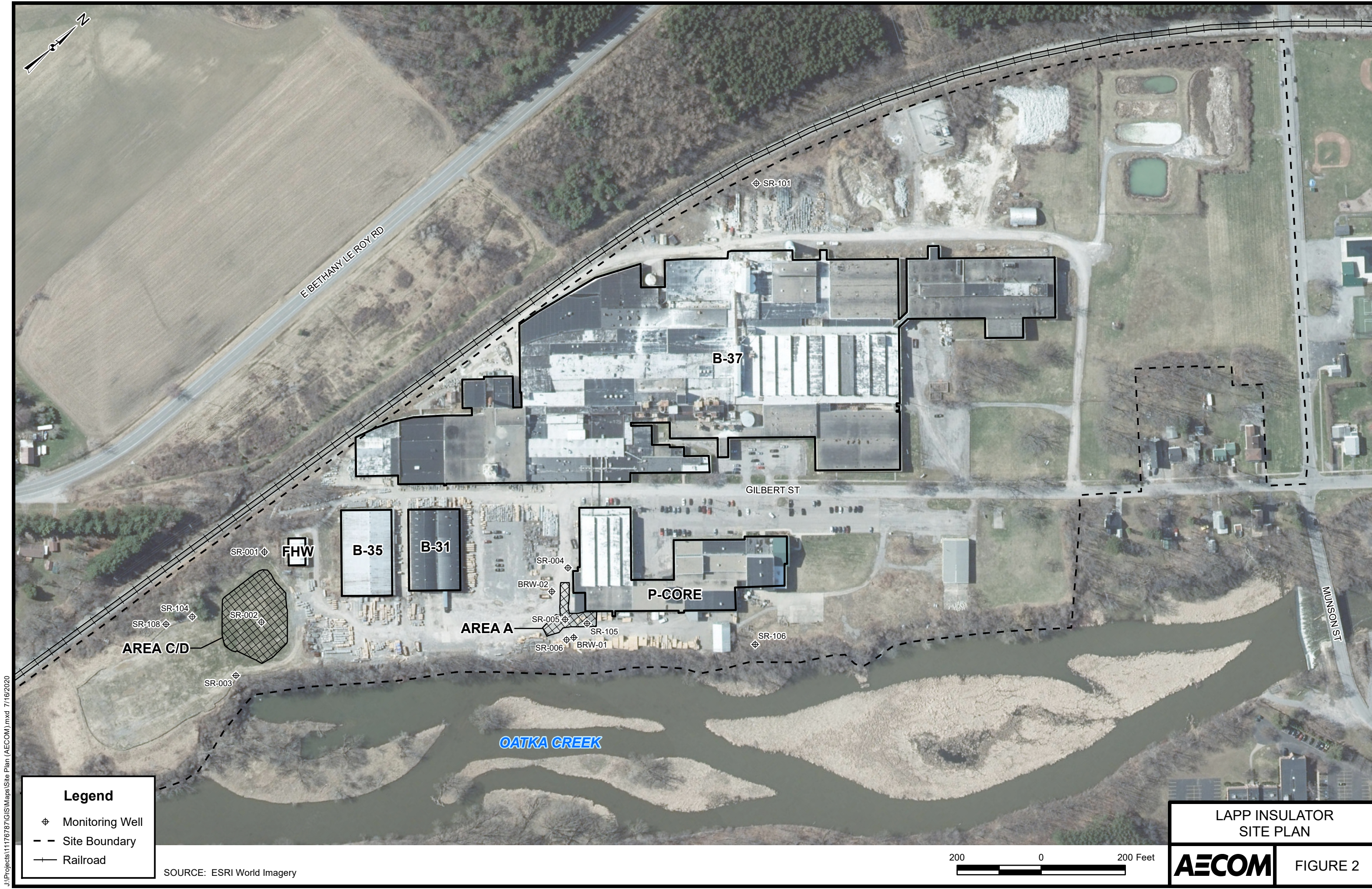
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NA - Not analyzed.

Only Detected Results Reported.

FIGURES





J:\Projects\11176787\GIS\Maps\Site Plan (AECOM).mxd 7/16/2020

Legend

- Monitoring Well
- Site Boundary
- Railroad

SOURCE: ESRI World Imagery

200 0 200 Feet

LAPP INSULATOR
SITE PLAN

AECOM

FIGURE 2

J:\Projects\11176767\GIS\Maps\GW Injection Pits & MWs (AECOM).mxd 7/16/2020





C:\Lapp\GW Contours (May 2021).mxd 6/14/2021

Legend

Monitoring Well

Groundwater Flow Direction

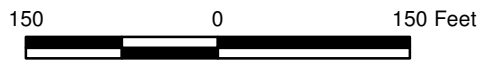
Groundwater Elevation Contour

SR-002, 901.22

Location ID

Groundwater Elevation (ft)

SOURCE: ESRI World Imagery



LAPP INSULATOR
BEDROCK GROUNDWATER
ELEVATION CONTOURS
(MAY 18, 2021)

AECOM

FIGURE 4

J:\Projects\11176787\GIS\Maps\GW Analytical_0521 (AECOM).mxd 6/22/2021



SR-001						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1-Dichloroethane	5	BC	ND	61	ND	ND
1,2-Dichloroethene (cis)	5	BC	ND	27	ND	ND
1,2-Dichloroethene (trans)	5	ND	ND	29	ND	ND
Acetone	50	BC	BC	R	60	BC
Benzene	1	69	37	ND	4.8	8.8
Ethylbenzene	5	23	8.8	ND	BC	BC
Toluene	5	170	62	ND	BC	BC
Trichloroethene	5	24	ND	6.4	ND	ND
Vinyl chloride	2	ND	ND	3.9	ND	ND
Xylene (total)	5	180	55	ND	6.1	BC
SVOCs:						
1,4-Dioxane	1	NA	NA	7.5	1.2	BC

SR-003						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1,1-Trichloroethane	5	300	ND	ND	21	ND
1,1-Dichloroethane	5	250	260	ND	180	140
1,1-Dichloroethene	5	70	57	ND	31	38
1,2-Dichloroethene (cis)	5	3600	2400	ND	2000	1400
1,2-Dichloroethene (trans)	5	17	ND	ND	11	ND
Benzene	1	ND	ND	12	ND	ND
Methylene chloride	5	ND	48	ND	ND	ND
Tetrachloroethene	5	34	ND	ND	6.6	ND
Toluene	5	ND	ND	18	ND	ND
Trichloroethene	5	6000	2900	ND	2000	1200
Vinyl chloride	2	28	ND	ND	22	ND
Xylene (total)	5	ND	ND	21	ND	ND
SVOCs:						
1,4-Dioxane	1	NA	13	1.3	20	25

SR-104						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1,1-Trichloroethane	5	BC	ND	45	61	65
1,1-Dichloroethane	5	15	ND	230	74	98
1,1-Dichloroethene	5	BC	ND	46	14	31
1,2-Dichloroethene (cis)	5	280	800	1800	2900	3600
1,2-Dichloroethene (trans)	5	16	ND	9.0	14	ND
Benzene	1	ND	ND	4.9	ND	ND
Methylene chloride	5	ND	93	ND	ND	ND
Tetrachloroethene	5	ND	ND	10	ND	ND
Trichloroethene	5	12000	15000	2700	2800	2300
Vinyl chloride	2	ND	ND	33	ND	ND
SVOCs:						
1,4-Dioxane	1	NA	NA	12	BC	BC

SR-108						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1,1-Trichloroethane	5	ND	ND	12	ND	ND
1,1-Dichloroethane	5	190	130	43	57	57
1,1-Dichloroethene	5	16	BC	9.5	BC	BC
1,2-Dichloroethene (cis)	5	520	39	480	29	27
1,2-Dichloroethene (trans)	5	52	50	17	42	47
Benzene	1	ND	ND	2.8	ND	ND
Trichloroethene	5	200	BC	530	BC	BC
Vinyl chloride	2	ND	18	47	9.0	9.2
SVOCs:						
1,4-Dioxane	1	NA	NA	1.7	7.4	6.8

SR-006						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1,1-Trichloroethane	5	77000	2900	2200	2500	4100
1,1,2-Trichloroethane	1	10	ND	ND	ND	ND
1,1-Dichloroethane	5	34000	31000	7100	7600	7700
1,1-Dichloroethene	5	15000	850	360	230	550
1,2-Dichloroethane	0.6	35	ND	ND	ND	ND
1,2-Dichloroethene (cis)	5	4200	ND	550	420	320
Acetone	50	100	ND	R	200	ND
Benzene	1	86	ND	33	29	ND
Chloroethane	5	42	160	ND	ND	ND
Ethylbenzene	5	19	ND	ND	ND	ND
Methyl ethyl ketone (2-Butanone)	50	ND	ND	R	190	ND
Methylene chloride	5	36	ND	ND	ND	ND
Toluene	5	140	ND	43	36	ND
Trichloroethene	5	9500	3600	680	860	870
Vinyl chloride	2	150	ND	ND	ND	ND
Xylene (total)	5	120	ND	ND	ND	ND
SVOCs:						
1,4-Dioxane	1	NA	NA	290	290	250

SR-002						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1,1-Trichloroethane	5	19	ND	86	ND	ND
1,1-Dichloroethane	5	140	46	97	56	52
1,1-Dichloroethene	5	25	BC	20	9.0	ND
1,2-Dichloroethene (cis)	5	600	210	1800	960	840
1,2-Dichloroethene (trans)	5	38	12	26	ND	ND
Benzene	1	150	170	ND	15	8.6
Ethylbenzene	5	14	19	ND	ND	ND
Toluene	5	200	81	ND	14	ND
Trichloroethene	5	570	8.5	4300	99	14
Vinyl chloride	2	28	160	2.8	89	130
Xylene (total)	5	84	28	ND	ND	ND
SVOCs:						
1,4-Dioxane	1	NA	NA	BC	3.9	2.5

BRW-02						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1,1-Trichloroethane	5	NS	NS	4000	2300	4000
1,1-Dichloroethane	5	NS	NS	3700	2200	5300
1,1-Dichloroethene	5	NS	NS	170	200	400
Chloroethane	5	NS	NS	7.9	ND	ND
Toluene	5	NS	NS	8.0	ND	ND
Trichloroethene	5	NS	NS	14	12	18
Xylene (total)	5	NS	NS	13	ND	ND
SVOCs:						
1,4-Dioxane	1	NS	NS	22	2.5	15

SR-101						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
Benzene	1	7.2	BC	ND	ND	ND
SVOCs:						
1,4-Dioxane	1	NA	2.8	3.3	1.9	2.5

SR-004						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
Benzene	1	140	NS	6.8	7.3	7.8
Ethylbenzene	5	8.9	NS	BC	BC	BC
Toluene	5	160	NS	BC	5.8	8.8
Xylene (total)	5	130	NS	5.4	5.4	7.9
SVOCs:						
1,4-Dioxane	1	NA	NS	BC	11	14

SR-005						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1,1-Trichloroethane	5	7000	13000	1200	29000	50000
1,1,2-Trichloroethane	1	5.2	ND	ND	ND	ND
1,1-Dichloroethane	5	7000	30000	17000	37000	37000
1,1-Dichloroethene	5	340	1400	500	940	4700
1,2-Dichloroethane	0.6	18	ND	ND	42	ND
1,2-Dichloroethene (cis)	5	26	2200	230	230	520
Acetone	50	130	ND	R	7800	6900
Benzene	1	300	ND	83	75	ND
Chloroethane	5	10	ND	78	120	ND
Ethylbenzene	5	12	ND	ND	ND	ND
Methyl ethyl ketone (2-Butanone)	50	BC	ND	R	1200	750
Methylene chloride	5	7.4	ND	ND	ND	ND
Toluene	5	250	ND	96	100	ND
Trichloroethene	5	1300	3200	1900	12000	15000
Vinyl chloride	2	5.4	ND	ND	ND	ND
Xylene (total)	5	68	ND	ND	ND	ND
SVOCs:						
1,4-Dioxane	1	NA	NA	1200	1300	1600

SR-105						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1,1-Trichloroethane	5	220000	180000	200000	170000	140000
1,1,2-Trichloroethane	1	25	ND	ND	ND	ND
1,1-Dichloroethane	5	79000	94000	75000	74000	75000
1,1-Dichloroethene	5	21000	2100	3100	3700	13000
1,2-Dichloroethane	0.6	160	ND	ND	110	ND
1,2-Dichloroethene (cis)	5	3600	7600	7600	9200	23000
Acetone	50	1300	22000	19000	22000	18000
Benzene	1	1.2	ND	ND	ND	ND
Chloroethane	5	160	ND	ND	ND	ND
Methylene chloride	5	87	2200	ND	ND	ND
Tetrachloroethene	5	8.0	ND	ND	ND	ND
Trichloroethene	5	76000	82000	92000	81000	65000
Vinyl chloride	2	310	ND	ND	ND	ND
SVOCs:						
1,4-Dioxane	1	NA	4600	3100	2400	2900

BRW-01						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1,1-Trichloroethane	5	120000	1700	100	1100	3700
1,1-Dichloroethane	5	43000	4000	210	2200	2000
1,1-Dichloroethene	5	8600	840	54	220	640
1,2-Dichloroethane	0.6	94	ND	ND	1.2	ND
1,2-Dichloroethene (cis)	5	2700	1100	52	520	340
Benzene	1	ND	ND	BC	2.9	ND
Chloroethane	5	40	ND	BC	20	ND
Toluene	5	ND	ND	BC	5.1	ND
Trichloroethene	5	14000	350	76	250	390
Vinyl chloride	2	ND	ND	2.1	64	ND
Xylene (total)	5	ND	ND	BC	5.8	ND
SVOCs:						
1,4-Dioxane	1	NA	NA	120	2900	1500

SR-106						
	CR	12/14	09/18	04/19	05/20	05/21
VOCs:						
1,1,1-Trichloroethane	5	3600	1800	1100	890	970
1,1,2-Trichloroethane	1	3.0	ND	ND	ND	BC
1,1-Dichloroethane	5	9900	7200	3300	2700	4200
1,1-Dichloroethene	5	210	89	59	54	92
1,2-Dichloroethane	0.6	2.0	ND	ND	ND	1.1
1,2-Dichloroethene (cis)	5	450	420	250	200	190
1,2-Dichloroethene (trans)	5	11	ND	8.8	ND	11
Chloroethane	5	100	160	91	110	81
Tetrachloroethene	5	13	ND	ND	ND	BC
Trichloroethene	5	69	ND	58	56	45
Vinyl chloride	2	95	ND	100	110	150
SVOCs:						
1,4-Dioxane	1	NA	550	240	250	260

Legend

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ATTACHMENT 1

PURGE LOGS

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: SR-101
 Sampling Personnel: Tom Urban Date: 5/18/21 Company: AECOM

Purging/
Sampling
Device: Peristaltic Pump Tubing Type: LDPE and Silicone Tubing Inlet: midpoint of screen
 Measuring Point: Top of Riser Initial Depth to Water (feet): 8.11 Depth to Well Bottom (feet): 44.58 Well Diameter (inches): 4" Screen Length (feet):
 Casing Type: Steel Volume in 1 Well Casing (liters): 90.08 (23.8 gal) Estimated Purge Volume (liters): 7.5 gal

Sample ID: SR-101(-MS-MSD) Sample Time: 1140 QA/QC: MS/MSD
 Sample Parameters: VOCs ; 1-4 Dioxane
 Comments:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
1050	7.16	12.7	1.053	4.94	115.87	-70.7	500	8.11
1055	7.04	10.5	1.140	1.91	399.58	-89.3	500	8.61
1100	7.07	10.5	1.140	1.72	899.81	-95.7	500	8.72
1105	6.99	10.5	0.936	1.62	187.01	-141.8	500	8.80
1110	6.97	10.5	0.930	1.59	322.22	-152.1	500	8.84
1115	6.95	10.5	0.925	1.59	38.72	-160.2	500	8.88
1120	6.94	10.5	0.925	1.58	37.87	-164.4	500	8.91
1125	6.93	10.4	0.926	1.54	27.45	-166.3	500	8.91
1130	6.94	10.5	0.927	1.53	25.02	-172.7	500	8.91
1135	6.94	10.5	0.926	1.54	23.41	-176.6	500	8.91
1140	6.93	10.5	0.926	1.52	21.32	-179.2	500	8.93
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Project: 60628733 Site: Lapp Insulators Well #: SR-106
Sampling Personnel: Tom Urban Date: 5/15/21 Company: AECOM

Purging/ Sampling Device:	Peristaltic Pump	Tubing Type:	LDPE and Silicone	Tubing Inlet:	midpoint of screen
Measuring Point:	Top of Riser	Initial Depth to Water (feet):	23.27	Depth to Well Bottom (feet):	34.90
		Well Diameter (inches):	4	Screen Length (feet):	
Casing Type:	Steel	Volume in 1 Well Casing (liters):	28.7 (7.5 gal)	Estimated Purge Volume (liters):	4 gal

Sample ID: SR-106 Sample Time: 1350 QA/QC: FD-05/82021
Sample Parameters: VOCs; 1-4 Dioxane field duplicate
Comments:

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
1310	7.00	12.5	1.777	4.50	2.00	-93.5	350	23.27
1315	6.72	11.3	1.683	1.93	2.88	-115.2	350	23.72
1320	6.77	11.2	1.684	1.70	7.80	-123.0	350	23.75
1325	6.80	11.2	1.697	1.65	11.25	-125.5	350	23.76
1330	6.80	11.2	1.746	1.61	13.50	-127.1	350	23.76
1335	6.81	11.3	1.870	1.57	15.16	-126.4	350	23.79
1340	6.80	11.3	2.099	1.55	17.13	-124.3	350	23.79
1345	6.83	11.3	2.122	1.53	20.08	-121.5	350	23.82
1350	6.83	11.3	2.144	1.53	22.07	-120.5	350	23.84
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES—0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
4 inch diameter well = 2470 ml/ft ($\text{vol}_{\text{cyl}} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: SR-001
 Sampling Personnel: Tom Urban Date: 5/18/21 Company: AECOM

Purging/
Sampling
Device: Peristaltic Pump Tubing
Type: LDPE and Silicone Tubing Inlet: midpoint of screen
 Measuring
Point: Top of Riser Initial Depth
to Water
(feet): 16.95 Depth to
Well Bottom
(feet): 44.80 Well
Diameter
(inches): 4 Screen
Length
(feet):
 Casing
Type: steel Volume in 1
Well Casing
(liters): 68.8 (18.2 gal) Estimated
Purge
Volume
(liters): 3 gal

Sample ID: SR-001 Sample Time: 1457 QA/QC: none
 Sample Parameters: VOCS & 1-4 Dioxane
 Comments:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
1422	8.14	11.6	1.540	3.59	35.86	-222.4	300	16.95
1427	8.04	11.5	1.571	1.99	25.65	-233.7	300	17.77
1432	8.36	11.4	1.419	1.72	32.99	-266.3	300	19.30
1437	8.77	11.1	1.330	1.63	31.68	-312.7	300	19.05
1442	8.72	11.0	1.347	1.58	41.44	-300.2	300	19.70
1447	8.68	11.0	1.360	1.54	40.28	-326.5	300	20.32
1452	8.71	11.0	1.362	1.52	39.58	-330.4	300	20.99
1457	8.65	11.0	1.374	1.50	40.52	-327.3	300	21.50
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: SR-108
Sampling Personnel: Tom Urban Date: 5/19/21 Company: AECOM

Purging/ Sampling Device:	Peristaltic Pump	Tubing Type:	LDPE and Silicone	Tubing Inlet:	midpoint of screen
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Measuring Point:	Top of Riser	Initial Depth to Water (feet):	12.44	Depth to Well Bottom (feet):	36.20	Well Diameter (inches):	4	Screen Length (feet):	
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Casing Type: steel

Volume in 1 Well Casing (liters): 58.7 (15.5 gal)

Estimated Purge Volume (liters): 3.5 gal

Sample ID: SR-108 Sample Time: 0815 QA/QC: none

Sample Parameters: VOCs + 1-4 Dioxane

Comments:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
0735	8.69	10.0	0.902	5.30	14.70	-178.6	300	12.44
0740	8.65	9.5	0.878	2.19	8.52	-253.7	300	13.06
0745	8.69	9.4	0.877	1.87	7.48	-266.9	300	13.65
0750	8.70	9.5	0.877	1.74	9.97	-280.3	300	14.21
0755	8.69	9.5	0.878	1.69	10.84	-286.5	300	14.80
0800	8.70	9.5	0.878	1.64	8.37	-291.4	300	15.45
0805	8.70	9.5	0.878	1.62	7.00	-293.1	300	15.92
0810	8.70	9.5	0.878	1.60	7.11	-294.0	300	16.55
0815	8.70	9.5	0.879	1.58	6.52	-295.7	300	17.25
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
4 inch diameter well = 2470 ml/ft ($\text{vol}_{\text{cyl}} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: SR-104
 Sampling Personnel: Tom Urban Date: 5/9/21 Company: AECOM

Purging/
Sampling
Device: Peristaltic Pump Tubing Type: LDPE and Silicone Tubing Inlet: midpoint of screen
 Measuring Point: Top of Riser Initial Depth to Water (feet): 12.17 Depth to Well Bottom (feet): 28.40 Well Diameter (inches): 4 Screen Length (feet):
 Casing Type: steel Volume in 1 Well Casing (liters): 40.1 (10.6 gal) Estimated Purge Volume (liters): 3.5 gal

Sample ID: SR-104 Sample Time: 0915 QA/QC: none
 Sample Parameters: VOCs + 1,4-Dioxane
 Comments:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
0835	7.63	11.3	0.574	4.57	200.19	-139.8	320	12.17
0840	7.26	9.5	0.566	2.00	291.78	-135.4	320	12.75
0845	7.29	9.4	0.565	1.76	140.12	-138.4	320	13.05
0850	7.30	9.4	0.564	1.67	102.51	-141.9	320	13.26
0855	7.30	9.3	0.564	1.63	95.97	-143.1	320	13.40
0900	7.28	9.3	0.563	1.61	65.18	-143.6	320	13.47
0905	7.28	9.4	0.563	1.59	59.40	-141.6	320	13.50
0910	7.28	9.3	0.562	1.58	51.30	-142.2	320	13.57
0915	7.27	9.3	0.561	1.57	48.22	-141.2	320	13.60
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: SR-003
Sampling Personnel: Tom Urban Date: 5/19/21 Company: AECOM

Purging/ Sampling Device:	Peristaltic Pump	Tubing Type:	LDPE and Silicone	Tubing Inlet:	midpoint of screen
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Measuring Point:	Top of Riser	Initial Depth to Water (feet):	17.33	Depth to Well Bottom (feet):	28.48	Well Diameter (inches):	4	Screen Length (feet):	
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Casing Type: steel

Volume in 1 Well Casing (liters): 27.5 (7.3 gal)

Estimated Purge Volume (liters): 4 gal

Sample ID: SR-003 Sample Time: 1025 QA/QC: none

Sample Parameters: VOCs & 1,4-Dioxane

Comments:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
0945	7.02	10.3	0.829	2.77	34.48	22.8	340	17.33
0950	6.93	10.1	0.829	1.78	10.29	27.2	300	18.70
0955	6.95	10.2	0.829	1.68	6.80	24.0	300	19.04
1000	6.95	10.1	0.830	1.61	8.54	17.5	300	19.36
1005	6.95	10.1	0.829	1.58	8.11	11.1	300	19.57
1010	6.95	10.2	0.829	1.55	7.57	3.3	300	19.71
1015	6.94	10.1	0.829	1.55	7.29	-2.3	300	19.82
1020	6.94	10.2	0.828	1.53	5.64	-7.9	300	19.90
1025	6.94	10.1	0.827	1.53	8.41	-10.9	300	19.96
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
4 inch diameter well = 2470 ml/ft ($\text{vol}_{\text{cyl}} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: SR-002
Sampling Personnel: Tom Urban Date: 5/19/21 Company: AECOM

Purging/ Sampling Device:	<u>Peristaltic Pump</u>	Tubing Type:	<u>LDPE and Silicone</u>	Tubing Inlet:	<u>midpoint of screen</u>
Measuring Point:	<u>Top of Riser</u>	Initial Depth to Water (feet):	<u>14.11</u>	Depth to Well Bottom (feet):	<u>38.92</u>
		Well Diameter (inches):	<u>4</u>	Screen Length (feet):	<u> </u>
Casing Type:	<u>steel</u>	Volume in 1 Well Casing (liters):	<u>61.3 (16.2 gal)</u>	Estimated Purge Volume (liters):	<u>3.5 gal</u>

Sample ID: SR-002 Sample Time: 1120 QA/QC: None
Sample Parameters: VOCs + 1,4-Dioxane
Comments:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
1040	7.87	13.2	0.963	5.80	121.03	-133.7	300	14.11
1045	7.77	11.5	1.066	2.22	100.91	-190.4	300	14.67
1050	7.83	11.4	1.015	1.65	99.08	-215.8	300	15.25
1055	7.99	11.4	0.807	1.55	43.81	-245.9	300	15.90
1100	8.01	11.4	0.803	1.52	47.90	-238.9	300	16.25
1105	8.02	11.5	0.804	1.49	43.72	-249.7	300	16.75
1110	8.01	11.5	0.804	1.46	58.70	-255.1	300	17.22
1115	8.01	11.4	0.804	1.45	55.15	-255.5	300	17.71
1120	8.01	11.3	0.804	1.44	48.78	-255.8	300	18.02
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($\text{vol}_{\text{cyl}} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: SR-004
 Sampling Personnel: Tom Urban Date: 5/19/21 Company: AECOM

Purging/
Sampling
Device: Peristaltic Pump Tubing Type: LDPE and Silicone Tubing Inlet: midpoint of screen
 Measuring Point: Top of Riser Initial Depth to Water (feet): 7.77 Depth to Well Bottom (feet): 34.55 Well Diameter (inches): 4 Screen Length (feet):
 Casing Type: steel Volume in 1 Well Casing (liters): 661 (17.5 gal) Estimated Purge Volume (liters): 5 gal

Sample ID: SR-004 Sample Time: 1328 QA/QC: none
 Sample Parameters: VOCs + 1,4-Dioxane
 Comments:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
1228	7.98	12.9	1.478	2.87	71.47	-201.0	350	7.77
1233	8.02	12.7	1.462	1.79	32.32	-228.1	350	8.70
1238	8.08	12.7	1.463	1.58	41.31	-239.1	350	9.50
1243	8.09	12.6	1.464	1.51	70.83	-250.8	350	10.40
1248	8.10	12.7	1.464	1.47	86.43	-255.0	350	11.08
1253	8.10	12.7	1.465	1.44	129.10	-254.9	350	12.10
1258	8.10	12.7	1.465	1.43	137.73	-253.1	350	12.61
1303	8.10	12.7	1.465	1.40	158.59	-247.1	350	13.35
1308	8.10	12.7	1.465	1.39	166.16	-240.0	350	14.26
1313	8.11	12.9	1.466	1.38	153.17	-242.7	270	14.84
1318	8.11	12.8	1.466	1.37	148.08	-251.4	270	15.22
1323	8.10	13.0	1.467	1.36	148.28	-248.8	270	15.91
1328	8.10	12.9	1.468	1.36	146.30	-244.4	270	16.25
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: BRW-02
 Sampling Personnel: Tom Urban Date: 5/19/21 Company: AECOM

Purging/
Sampling
Device: Peristaltic Pump Tubing
Type: LDPE and Silicone Tubing Inlet: midpoint of screen

Measuring
Point: Top of Riser Initial Depth
to Water
(feet): 12.54 Depth to
Well Bottom
(feet): 29.50 Well
Diameter
(inches): 4 Screen
Length
(feet):

Casing
Type: Steel Volume in 1
Well Casing
(liters): 41.9 (11.1 gal) Estimated
Purge
Volume
(liters): 4 gal

Sample ID: BRW-02 Sample Time: 1440 QA/QC: none

Sample Parameters: VOCs + 1,4-Dioxane

Comments:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
1350	7.38	12.6	1.510	2.80	140.81	-156.8	300	12.54
1355	7.46	12.3	1.500	1.73	87.13	-183.5	300	13.28
1400	7.53	12.4	1.497	1.54	31.40	-196.7	300	13.88
1405	7.54	12.2	1.497	1.50	30.80	-189.9	300	14.33
1410	7.54	12.3	1.497	1.45	34.55	-197.1	300	14.84
1415	7.55	12.2	1.497	1.43	42.97	-189.6	300	15.23
1420	7.54	12.2	1.498	1.41	47.81	-195.2	300	15.72
1425	7.54	12.1	1.497	1.39	55.79	-206.0	300	16.50
1430	7.54	12.2	1.497	1.38	53.24	-219.9	300	16.91
1435	7.54	12.2	1.497	1.37	58.98	-212.4	300	17.50
1440	7.53	12.1	1.498	1.37	53.78	-216.9	300	17.95
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
 4 inch diameter well = 2470 ml/ft ($\text{vol}_{\text{cyl}} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: SR-005
 Sampling Personnel: Tom Urban Date: 5/29/21 Company: AECOM

Purging/
Sampling
Device: Peristaltic Pump Tubing
Type: LDPE and Silicone Tubing Inlet: midpoint of screen
 Measuring
Point: Top of Riser Initial Depth
to Water
(feet): 16.82 Depth to
Well Bottom
(feet): 33.50 Well
Diameter
(inches): 4 Screen
Length
(feet):
 Casing
Type: Steel Volume in 1
Well Casing
(liters): 41.2 (10.9 gal) Estimated
Purge
Volume
(liters): 2.5 gal

Sample ID: SR-005 Sample Time: 0817 QA/QC: none
 Sample Parameters: VOCs & 1,4-Dioxane
 Comments: sweet odor

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
0737	7.11	12.2	4.441	3.02	52.48	-173.9	210	16.82
0742	7.08	12.1	4.453	1.87	27.74	-195.4	210	17.55
0747	7.10	12.0	4.458	1.70	24.03	-188.6	210	17.86
0752	7.12	12.0	4.460	1.60	21.39	-191.7	210	18.33
0757	7.13	12.1	4.462	1.54	22.21	-210.6	210	18.82
0802	7.13	12.1	4.464	1.49	22.51	-216.5	210	19.50
0807	7.13	12.1	4.465	1.47	23.01	-218.2	210	20.01
0812	7.13	12.1	4.465	1.45	28.29	-216.3	210	20.55
0817	7.13	12.1	4.466	1.44	28.10	-217.9	210	21.00
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
 4 inch diameter well = 2470 ml/ft (vol_{cy} = $\pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: SR-105
 Sampling Personnel: Tom Urban Date: 5/20/21 Company: AECOM

Purging/
Sampling
Device: Peristaltic Pump Tubing Type: LDPE and Silicone Tubing Inlet: midpoint of screen
 Measuring Point: Top of Riser Initial Depth to Water (feet): 13.85 Depth to Well Bottom (feet): 27.30 Well Diameter (inches): 4 Screen Length (feet):
 Casing Type: steel Volume in 1 Well Casing (liters): 33.2 (8.8 gal) Estimated Purge Volume (liters): 3 gal

Sample ID: SR-105 Sample Time: 33.2 0930 QA/QC: none
 Sample Parameters: VOCs + 1,4-Dioxane
 Comments: sweet smelling

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
0850	6.41	12.5	3.167	2.43	2.73	-103.5	270	13.85
0855	6.42	12.3	3.157	1.83	2.49	-114.8	270	14.70
0900	6.45	12.3	3.150	1.64	2.26	-123.9	270	15.15
0905	6.45	12.3	3.147	1.56	2.27	-130.2	270	15.65
0910	6.45	12.3	3.146	1.52	2.26	-134.6	270	16.12
0915	6.45	12.4	3.145	1.48	1.97	-138.6	270	16.65
0920	6.45	12.4	3.148	1.46	2.22	-140.3	270	17.03
0925	6.45	12.5	3.147	1.46	2.24	-141.2	270	17.44
0930	6.45	12.5	3.148	1.44	2.12	-142.2	270	17.77
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
 4 inch diameter well = 2470 ml/ft ($vol_{wt} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60628733 Site: Lapp Insulators Well #: BRW-01
Sampling Personnel: Tom Urban Date: 5/20/21 Company: AECOM

Purging/ Sampling Device:	Peristaltic Pump	Tubing Type:	LDPE and Silicone	Tubing Inlet:	midpoint of screen
---------------------------------	------------------	-----------------	-------------------	---------------	--------------------

Measuring Point:	Initial Depth to Water (feet):	Depth to Well Bottom (feet):	Well Diameter (inches):	Screen Length (feet):
Top of Riser	15.48	29.60	4	

Casing Type: Steel

Volume in 1 Well Casing (liters): 34.9 (9.2 gal)

Estimated Purge Volume (liters): 3.5 gal

Sample ID: BRW-01 Sample Time: 1042 QA/QC: none

Sample Parameters: VOCs + 1,4-Dioxane

Comments:

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O ₂ (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (feet btor)
1002	6.88	12.1	9.899	4.23	169.04	-85.5	300	15.48
1007	6.97	11.8	11.001	1.88	97.88	-105.4	300	16.28
1012	7.01	11.7	11.040	1.67	147.01	-110.7	300	16.87
1017	7.03	11.6	11.060	1.57	130.25	-115.0	300	17.60
1022	7.04	11.6	11.068	1.53	156.18	-118.3	300	18.14
1027	7.04	11.7	11.074	1.50	155.88	-120.8	300	18.80
1032	7.04	11.8	11.081	1.47	147.27	-123.5	300	19.55
1037	7.04	11.8	11.085	1.45	133.25	-124.9	300	20.05
1042	7.04	11.9	11.085	1.45	124.77	-125.5	300	20.55
Tolerance:	0.1	---	3%	10%	10%	+ or - 10	---	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Project: 60628733 Site: Lapp Insulators Well #: SR-006
Sampling Personnel: Tom Urban Date: 5/20/21 Company: AECOM

Device: Peristaltic Pump

Type: LDPE and Silicone

Tubing Inlet: midpoint of screen

Measuring Point: Top of Riser Initial Depth to Water (feet): 15.30

Depth to
Well Bottom
(feet): 34.44

Well
Diameter
(inches): 4

Screen
Length
(feet):

Casing Type: Steel

Volume in 1
Well Casing
(liters):

Estimated
Purge
Volume
(liters):

Sample ID: SR-006 Sample Time: 1147 QA/QC: none

Sample Parameters: VOCs + 1,4-Dioxane

Comments:

[illegible]

Information: WATER VOLUMES—0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft;
4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

ATTACHMENT 2

FIELD NOTES

Location Lapp Insulators Date 5/18/21 ²⁵

Project / Client Le Roy, NY

Wx: 60 - 70°F, sunny, slight breeze

0730 - onsite - T. Urban
Conduct water level round

LOCID	TIME	DTW
SR-001	0846	16.97
SR-104	0849	12.12
SR-108	0851	12.42
SR-003	0853	17.31
SR-002	0855	14.05
SR-106	0902	23.30
BRW-02	0916	12.57
SR-004	0924	7.76
SR-005	0931	16.84
SR-105	0935	13.75
BRW-01	0940	15.48
SR-006	0946	15.20
SR-101	1024	8.11

1050 - begin purge on SR-101
1140 - sample SR-101. MS/MSD
taken here.

26

Location Lapp Insulators Date 5/18/21
 Project / Client LeRoy, NY

1200 - Pine Env. delivers
 2 open top drums.

1310 - begin purge on SR-106

1350 - sample SR-106.

FD-05182021 (field dup)
 taken here.

1422 - begin purge on SR-001

1457 - sample SR-001

1540 - depart site for
 Eurofins - Amherst, NY

~~Item~~
~~Uhh~~

27

Location Lapp Insulators Date 5/19/21
 Project / Client LeRoy, NY

0700 - on site

0705 - cal YSI meter

0735 - begin purge on
 SR-108

0815 - sample SR-108

0835 - begin purge on SR-104

0915 - sample SR-104

0945 - begin purge on SR-003

1025 - sample SR-003

1040 - begin purge on SR-002

1120 - sample SR-002

1228 - begin purge on SR-004

1328 - sample SR-004

1350 - begin purge on BRW-02

1440 - sample BRW-02

1510 - depart site for
 Eurofins - Amherst, NY

~~Item~~
~~Uhh~~

Location Lapp Insulators Date 5/20/21
Project / Client LeRoy, NY

0700 - onsite
0705 - cal equipment
0737 - begin purge on SR-005
0817 - sample SR-005
0850 - begin purge on SR-105
0930 - sample SR-105
1002 - begin purge on BRW-01
1042 - sample BRW-01
1107 - begin purge on SR-006
1147 - sample SR-006
1220 - sample drum
for waste characterization
1300 - depart site for
EuroKins - Amherst, NY

~~Tan~~

~~Ulin~~

ATTACHMENT 3

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

**LAPP INSULATORS
SITE MANAGEMENT
LEROY, NEW YORK
WORK ASSIGNMENT NO. D009803-06
SITE ID# 819017**

Analyses Performed by:

**EUROFINS TESTAMERICA
AMHERST, NEW YORK**

Prepared for:

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION**

Prepared by:

**AECOM
ONE JOHN JAMES AUDUBON PARKWAY
SUITE 210
AMHERST, NY 14228**

JUNE 2021

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V. NON-CONFORMANCES.....	2
VI. SAMPLE RESULTS AND REPORTING	2
VII. SUMMARY	3

TABLES

(Following Text)

Table 1	Summary of Data Qualifications
Table 2	Validated Groundwater Sample Analytical Results
Table 3	Validated Field QC Sample Analytical Results

ATTACHMENTS

Attachment A – Form 1s

Attachment B – Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10 Technical Guidance for Site Investigation and Remediation*, Appendix 2B - *Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. The samples were collected from the Lapp Insulators site (Site No. 819017) in support of NYSDEC Work Assignment # D009803-06.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The data being evaluated is from the May 18-20, 2021 sampling of 13 groundwater samples, 1 matrix spike/matrix spike duplicate pair (MS/MSD), 1 field duplicate (FD) sample, and 3 trip blanks (TB). The analytical laboratory that performed the analyses is Eurofins TestAmerica located in Amherst, NY. The samples were analyzed for the following parameters. Not all samples were analyzed for all parameters.

Matrix	Parameter	Method
Groundwater	Target Compound List (TCL) Volatile Organic Compounds (VOC)	SW8260C
	1,4-Dioxane	SW8270D SIM (Selective Ion Monitoring)

A limited data validation was performed following the guidelines in the following USEPA Region II document (where applicable):

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry*, SW-846 Method 8260B & 8260C, SOP HW-24, Rev. 4, October 2014;
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry*, SW-846 Method 8270D, SOP HW-22, Rev. 5, December 2010;

The limited validation included a review of: completeness of all required deliverables; holding times; quality control (QC) results [blanks, instrument tunings, calibration standards, duplicate analyses, and laboratory control sample (LCS) recoveries] to determine if the data are within the protocol-required limits and specifications; a determination that all samples were analyzed using established and agreed

upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and laboratory data qualifiers.

Qualifications applied to the data during the limited data validation include ‘J’ (estimated concentration). Definitions of USEPA data qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. The validated analytical results are presented on Table 2 (groundwaters) and Table 3 (field QC). Copies of validated laboratory analytical summaries (Form 1s) are presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

The laboratory deliverable data packages were equivalent to NYSDEC Analytical Services Protocol (ASP) Category B (or CLP-like) requirements.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved and under proper chain-of-custody (COC). All samples were analyzed within the required holding times (HT).

V. NON-CONFORMANCES

- **Field Duplicates**

A FD was collected at the sample location SR-106. The FD relative percent differences (RPD) exhibited good analytical precision (e.g., <50%). It should be noted that the parent sample was analyzed for VOCs undiluted and at a 80x dilution due to elevated levels of target compounds. The FD was only analyzed at a 80x dilution, therefore some compounds that were detected in the parent sample as ‘J’ values were non-detect in the FD due to the elevated detection limits.

VI. SAMPLE RESULTS AND REPORTING

All quantitation/detection limits were reported in accordance with method requirements and were adjusted for sample volume and dilution factors. Detected results below the quantitation limits were qualified ‘J’ by the laboratory.

Several samples were analyzed for VOCs utilizing dilutions due to elevated levels of target compounds. The detection limits reported for the non-detect compounds represent the lowest achievable

at the dilution factor used during the analysis. Several compounds are being reported from secondary dilutions, those compounds have been qualified 'D' on the tables.

Samples BRW-01, SR-005, and SR-105 required dilution for 1,4-dioxane. The analyst used a dilution of 100x which still showed results that were over the calibration curve (i.e., 'E' value). At a further dilution the 1,4-dioxane was diluted out. The laboratory reported the results from a 100x dilution with an 'E' qualifier. The 'E' qualifier has been changed to 'J' to indicate the results are estimated.

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified 'J' (estimated concentration) during the data review are considered conditionally usable. All other sample results are usable as reported. AECOM does not recommend the re-collection of any samples at this time.

Prepared By: Ann Marie Kropovitch, Chemist



Date: 6/23/21

Reviewed By: George E. Kisluk, Senior Chemist



Date: 6/23/21

DEFINITIONS OF USEPA DATA QUALIFIERS

U –	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J –	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
(J+) -	The result is an estimated quantity. The associated numerical value is biased high.
(J-) -	The result is an estimated quantity. The associated numerical value is biased low.
UJ –	The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R –	The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
D –	The sample result was reported from a secondary dilution analysis.
NJ –	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

TABLE 1
SUMMARY OF DATA QUALIFICATIONS
LAPP INSULATORS

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
BRW-01, SR-005, and SR-105	SVOC	1,4-dioxane over the calibration curve.	Qualify detected results 'J'.

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		BRW-01	BRW-02	SR-001	SR-002	SR-003
Sample ID		BRW-01	BRW-02	SR-001	SR-002	SR-003
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/20/21	05/19/21	05/18/21	05/19/21	05/19/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	3,700	4,000	1.0 U	20 U	40 U
1,1,2,2-Tetrachloroethane	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,1,2-Trichloroethane	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,1-Dichloroethane	UG/L	2,000	5,300	1.0 U	52	140
1,1-Dichloroethene	UG/L	640	400	1.0 U	20 U	38 J
1,2,4-Trichlorobenzene	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,2-Dibromo-3-chloropropane	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,2-Dichlorobenzene	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,2-Dichloroethane	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,2-Dichloroethene (cis)	UG/L	340	20 U	1.0 U	840	1,400
1,2-Dichloroethene (trans)	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,2-Dichloropropane	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,3-Dichlorobenzene	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,3-Dichloropropene (cis)	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,3-Dichloropropene (trans)	UG/L	80 U	20 U	1.0 U	20 U	40 U
1,4-Dichlorobenzene	UG/L	80 U	20 U	1.0 U	20 U	40 U
2-Hexanone	UG/L	400 U	100 U	5.0 U	100 U	200 U
4-Methyl-2-pentanone	UG/L	400 U	100 U	5.0 U	100 U	200 U
Acetone	UG/L	800 U	200 U	34	200 U	400 U
Benzene	UG/L	80 U	20 U	8.8	8.6 J	40 U
Bromodichloromethane	UG/L	80 U	20 U	1.0 U	20 U	40 U

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By: GEK 6/23/21

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		BRW-01	BRW-02	SR-001	SR-002	SR-003
Sample ID		BRW-01	BRW-02	SR-001	SR-002	SR-003
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/20/21	05/19/21	05/18/21	05/19/21	05/19/21
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UG/L	80 U	20 U	1.0 U	20 U	40 U
Bromomethane	UG/L	80 U	20 U	1.0 U	20 U	40 U
Carbon disulfide	UG/L	80 U	20 U	1.0 U	20 U	40 U
Carbon tetrachloride	UG/L	80 U	20 U	1.0 U	20 U	40 U
Chlorobenzene	UG/L	80 U	20 U	1.0 U	20 U	40 U
Chloroethane	UG/L	80 U	20 U	1.0 U	20 U	40 U
Chloroform	UG/L	80 U	20 U	1.0 U	20 U	40 U
Chloromethane	UG/L	80 U	20 U	1.0 U	20 U	40 U
Cyclohexane	UG/L	80 U	20 U	36	14 J	40 U
Dibromochloromethane	UG/L	80 U	20 U	1.0 U	20 U	40 U
Dichlorodifluoromethane	UG/L	80 U	20 U	1.0 U	20 U	40 U
Ethylbenzene	UG/L	80 U	20 U	2.2	20 U	40 U
Isopropylbenzene (Cumene)	UG/L	80 U	20 U	1.0 U	20 U	40 U
Methyl acetate	UG/L	200 U	50 U	2.5 U	50 U	100 U
Methyl ethyl ketone (2-Butanone)	UG/L	800 U	200 U	10 U	200 U	400 U
Methyl tert-butyl ether	UG/L	80 U	20 U	1.0 U	20 U	40 U
Methylcyclohexane	UG/L	13 J	14 J	23	10 J	40 U
Methylene chloride	UG/L	80 U	20 U	1.0 U	20 U	40 U
Styrene	UG/L	80 U	20 U	1.0 U	20 U	40 U
Tetrachloroethene	UG/L	80 U	20 U	1.0 U	20 U	40 U
Toluene	UG/L	80 U	20 U	0.99 J	20 U	40 U
Trichloroethene	UG/L	390	18 J	1.0 U	14 J	1,200
Trichlorofluoromethane	UG/L	80 U	20 U	1.0 U	20 U	40 U

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By GEK 6/23/21

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		BRW-01	BRW-02	SR-001	SR-002	SR-003
Sample ID		BRW-01	BRW-02	SR-001	SR-002	SR-003
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/20/21	05/19/21	05/18/21	05/19/21	05/19/21
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	UG/L	80 U	20 U	1.0 U	130	40 U
Xylene (total)	UG/L	160 U	40 U	3.2	40 U	80 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	1,500 J	15	1.0	2.5	25

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By GEK 6/23/21

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		SR-004	SR-005	SR-006	SR-101	SR-104
Sample ID		SR-004	SR-005	SR-006	SR-101	SR-104
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/19/21	05/20/21	05/20/21	05/18/21	05/19/21
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1.0 U	50,000	4,100	1.0 UF1	65
1,1,2,2-Tetrachloroethane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,1,2-Trichloroethane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,1-Dichloroethane	UG/L	1.0 U	37,000	7,700	1.0 U	98
1,1-Dichloroethene	UG/L	1.0 U	4,700	550	1.0 U	31 J
1,2,4-Trichlorobenzene	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,2-Dichlorobenzene	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,2-Dichloroethane	UG/L	1.0 U	500 U	100 U	1.0 UF1	50 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	520	320	1.0 U	3,600
1,2-Dichloroethene (trans)	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,2-Dichloropropane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,3-Dichlorobenzene	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
1,4-Dichlorobenzene	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
2-Hexanone	UG/L	5.0 U	2,500 U	500 U	5.0 U	250 U
4-Methyl-2-pentanone	UG/L	5.0 U	2,500 U	500 U	5.0 U	250 U
Acetone	UG/L	5.6 J	6,900	1,000 U	10 U	500 U
Benzene	UG/L	7.8	500 U	100 U	1.0 U	50 U
Bromodichloromethane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By: GEK 6/23/21

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		SR-004	SR-005	SR-006	SR-101	SR-104
Sample ID		SR-004	SR-005	SR-006	SR-101	SR-104
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/19/21	05/20/21	05/20/21	05/18/21	05/19/21
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Bromomethane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Carbon disulfide	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Carbon tetrachloride	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Chlorobenzene	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Chloroethane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Chloroform	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Chloromethane	UG/L	1.0 U	500 U	100 U	1.0 UF1	50 U
Cyclohexane	UG/L	7.7	500 U	100 U	1.0 U	50 U
Dibromochloromethane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Dichlorodifluoromethane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Ethylbenzene	UG/L	1.8	500 U	100 U	1.0 U	50 U
Isopropylbenzene (Cumene)	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Methyl acetate	UG/L	2.5 U	1,300 U	250 U	2.5 U	130 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	750 J	1,000 U	10 U	500 U
Methyl tert-butyl ether	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Methylcyclohexane	UG/L	4.5	500 U	20 J	1.0 U	50 U
Methylene chloride	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Styrene	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Tetrachloroethene	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Toluene	UG/L	8.8	500 U	100 U	1.0 U	50 U
Trichloroethene	UG/L	1.0 U	15,000	870	1.0 U	2,300
Trichlorofluoromethane	UG/L	1.0 U	500 U	100 U	1.0 U	50 U

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By: GEK 6/23/21

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		SR-004	SR-005	SR-006	SR-101	SR-104
Sample ID		SR-004	SR-005	SR-006	SR-101	SR-104
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/19/21	05/20/21	05/20/21	05/18/21	05/19/21
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	UG/L	1.0 U	500 U	100 U	1.0 U	50 U
Xylene (total)	UG/L	7.9	1,000 U	200 U	2.0 U	100 U
Semivolatile Organic Compounds						
1,4-Dioxane	UG/L	14	1,600 J	250	2.5	0.90

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By GEK 6/23/21

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		SR-105	SR-106	SR-106	SR-108
Sample ID		SR-105	FD-05182021	SR-106	SR-108
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-
Date Sampled		05/20/21	05/18/21	05/18/21	05/19/21
Parameter	Units		Field Duplicate (1-1)		
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/L	140,000	970	960 D	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	4,000 U	80 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	4,000 U	80 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	4,000 U	80 U	1.0	1.0 U
1,1-Dichloroethane	UG/L	75,000	4,000	4,200 D	57
1,1-Dichloroethene	UG/L	13,000	61 J	92	0.80 J
1,2,4-Trichlorobenzene	UG/L	4,000 U	80 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	4,000 U	80 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	4,000 U	80 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	4,000 U	80 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	4,000 U	80 U	1.1	1.0 U
1,2-Dichloroethene (cis)	UG/L	23,000	190	190 D	27
1,2-Dichloroethene (trans)	UG/L	4,000 U	80 U	11	47
1,2-Dichloropropane	UG/L	4,000 U	80 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	4,000 U	80 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	4,000 U	80 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	4,000 U	80 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	4,000 U	80 U	1.0 U	1.0 U
2-Hexanone	UG/L	20,000 U	400 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	20,000 U	400 U	5.0 U	5.0 U
Acetone	UG/L	18,000 J	800 U	10 U	10 U
Benzene	UG/L	4,000 U	80 U	0.55 J	1.0 U
Bromodichloromethane	UG/L	4,000 U	80 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By: GEK 6/23/21

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		SR-105	SR-106	SR-106	SR-108
Sample ID		SR-105	FD-05182021	SR-106	SR-108
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-
Date Sampled		05/20/21	05/18/21	05/18/21	05/19/21
Parameter	Units		Field Duplicate (1-1)		
Volatile Organic Compounds					
Bromoform	UG/L	4,000 U	80 U	1.0 U	1.0 U
Bromomethane	UG/L	4,000 U	80 U	1.0 U	1.0 U
Carbon disulfide	UG/L	4,000 U	80 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	4,000 U	80 U	1.0 U	1.0 U
Chlorobenzene	UG/L	4,000 U	80 U	1.0 U	1.0 U
Chloroethane	UG/L	4,000 U	64 J	81 D	1.0 U
Chloroform	UG/L	4,000 U	80 U	1.0 U	1.0 U
Chloromethane	UG/L	4,000 U	80 U	1.0 U	1.0 U
Cyclohexane	UG/L	4,000 U	80 U	1.0 U	0.80 J
Dibromochloromethane	UG/L	4,000 U	80 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	4,000 U	80 U	1.0 U	1.0 U
Ethylbenzene	UG/L	4,000 U	80 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	4,000 U	80 U	1.0 U	1.0 U
Methyl acetate	UG/L	10,000 U	200 U	2.5 U	2.5 U
Methyl ethyl ketone (2-Butanone)	UG/L	40,000 U	800 U	10 U	10 U
Methyl tert-butyl ether	UG/L	4,000 U	80 U	1.0 U	1.0 U
Methylcyclohexane	UG/L	4,000 U	80 U	4.3	1.4
Methylene chloride	UG/L	4,000 U	80 U	1.4	1.0 U
Styrene	UG/L	4,000 U	80 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	4,000 U	80 U	1.8	1.0 U
Toluene	UG/L	4,000 U	80 U	1.5	1.0 U
Trichloroethene	UG/L	65,000	45 J	40	1.0
Trichlorofluoromethane	UG/L	4,000 U	80 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21
 Checked By: GEK 6/23/21

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		SR-105	SR-106	SR-106	SR-108
Sample ID		SR-105	FD-05182021	SR-106	SR-108
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-
Date Sampled		05/20/21	05/18/21	05/18/21	05/19/21
Parameter	Units		Field Duplicate (1-1)		
Volatile Organic Compounds					
Vinyl chloride	UG/L	4,000 U	150	130 D	9.2
Xylene (total)	UG/L	8,000 U	160 U	1.5 J	2.0 U
Semivolatile Organic Compounds					
1,4-Dioxane	UG/L	2,900 J	260	210	6.8

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By GEK 6/23/21

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-05182021	TB-05192021	TB-05202021
Matrix		Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-
Date Sampled		05/18/21	05/19/21	05/20/21
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds				
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/L	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	5.0 U	5.0 U	5.0 U
Acetone	UG/L	10 U	10 U	10 U
Benzene	UG/L	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By _GEK 6/23/21

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-05182021	TB-05192021	TB-05202021
Matrix		Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-
Date Sampled		05/18/21	05/19/21	05/20/21
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds				
Bromoform	UG/L	1.0 U	1.0 U	1.0 U
Bromomethane	UG/L	1.0 U	1.0 U	1.0 U
Carbon disulfide	UG/L	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	1.0 U	1.0 U	1.0 U
Chlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	1.0 U	1.0 U	1.0 U
Chloroform	UG/L	1.0 U	1.0 U	1.0 U
Chloromethane	UG/L	1.0 U	1.0 U	1.0 U
Cyclohexane	UG/L	1.0 U	1.0 U	1.0 U
Dibromochloromethane	UG/L	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	1.0 U	1.0 U	1.0 U
Methyl acetate	UG/L	2.5 U	2.5 U	2.5 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	1.0 U	1.0 U	1.0 U
Methylcyclohexane	UG/L	1.0 U	1.0 U	1.0 U
Methylene chloride	UG/L	1.0 U	1.0 U	1.0 U
Styrene	UG/L	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	1.0 U	1.0 U	1.0 U
Toluene	UG/L	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	UG/L	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By: GEK 6/23/21

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
LAPP INSULATOR SITE MANAGEMENT

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-05182021	TB-05192021	TB-05202021
Matrix		Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-
Date Sampled		05/18/21	05/19/21	05/20/21
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds				
Vinyl chloride	UG/L	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	2.0 U	2.0 U	2.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 06/21/21

Checked By GEK 6/23/21

Detection Limits shown are PQL

ATTACHMENT A

FORM 1s

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184881-1</u>
SDG No.: _____	
Client Sample ID: <u>SR-101</u>	Lab Sample ID: <u>480-184881-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>S9385.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/18/2021 11:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/20/2021 01:05</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>581688</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184881-1
 SDG No.: _____
 Client Sample ID: SR-101 Lab Sample ID: 480-184881-1
 Matrix: Water Lab File ID: S9385.D
 Analysis Method: 8260C Date Collected: 05/18/2021 11:40
 Sample wt/vol: 5 (mL) Date Analyzed: 05/20/2021 01:05
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581688 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	91		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184881-1</u>
SDG No.: _____	
Client Sample ID: <u>SR-106</u>	Lab Sample ID: <u>480-184881-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>S9386.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/18/2021 13:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/20/2021 01:28</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>581688</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1600	E	1.0	0.32
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	1.0		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	2000	E	1.0	0.38
75-35-4	1,1-Dichloroethene	92		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	1.1		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	0.55	J	1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	120	E	1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	290	E	1.0	0.61
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184881-1
 SDG No.: _____
 Client Sample ID: SR-106 Lab Sample ID: 480-184881-2
 Matrix: Water Lab File ID: S9386.D
 Analysis Method: 8260C Date Collected: 05/18/2021 13:50
 Sample wt/vol: 5 (mL) Date Analyzed: 05/20/2021 01:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581688 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	4.3		1.0	0.16
75-09-2	Methylene Chloride	1.4		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	1.8		1.0	0.36
108-88-3	Toluene	1.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	11		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	40		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	250	E	1.0	0.90
1330-20-7	Xylenes, Total	1.5	J	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	88		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184881-1</u>
SDG No.: _____	
Client Sample ID: <u>SR-106 DL</u>	Lab Sample ID: <u>480-184881-2 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>S9413.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/18/2021 13:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/20/2021 12:58</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>80</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>581769</u>	Units: <u>ug/L</u>

	CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
*	71-55-6	1,1,1-Trichloroethane	960	D	80	66
	79-34-5	1,1,2,2-Tetrachloroethane	ND		80	17
	79-00-5	1,1,2-Trichloroethane	ND		80	18
	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		80	25
*	75-34-3	1,1-Dichloroethane	4200	D	80	30
	75-35-4	1,1-Dichloroethene	58	<i>J</i>	80	23
	120-82-1	1,2,4-Trichlorobenzene	ND		80	33
	96-12-8	1,2-Dibromo-3-Chloropropane	ND		80	31
	95-50-1	1,2-Dichlorobenzene	ND		80	63
	107-06-2	1,2-Dichloroethane	ND		80	17
	78-87-5	1,2-Dichloropropane	ND		80	58
	541-73-1	1,3-Dichlorobenzene	ND		80	62
	106-46-7	1,4-Dichlorobenzene	ND		80	67
	78-93-3	2-Butanone (MEK)	ND		800	110
	591-78-6	2-Hexanone	ND		400	99
	108-10-1	4-Methyl-2-pentanone (MIBK)	ND		400	170
	67-64-1	Acetone	ND		800	240
	71-43-2	Benzene	ND		80	33
	75-27-4	Bromodichloromethane	ND		80	31
	75-25-2	Bromoform	ND		80	21
	74-83-9	Bromomethane	ND		80	55
	75-15-0	Carbon disulfide	ND		80	15
	56-23-5	Carbon tetrachloride	ND		80	22
	108-90-7	Chlorobenzene	ND		80	60
	124-48-1	Dibromochloromethane	ND		80	26
*	75-00-3	Chloroethane	81	D	80	26
	67-66-3	Chloroform	ND		80	27
	74-87-3	Chloromethane	ND		80	28
*	156-59-2	cis-1,2-Dichloroethene	190	D	80	65
	10061-01-5	cis-1,3-Dichloropropene	ND		80	29
	110-82-7	Cyclohexane	ND		80	14
	75-71-8	Dichlorodifluoromethane	ND		80	54
	100-41-4	Ethylbenzene	ND		80	59
	106-93-4	1,2-Dibromoethane	ND		80	58
	98-82-8	Isopropylbenzene	ND		80	63

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184881-1
 SDG No.: _____
 Client Sample ID: SR-106 DL Lab Sample ID: 480-184881-2 DL
 Matrix: Water Lab File ID: S9413.D
 Analysis Method: 8260C Date Collected: 05/18/2021 13:50
 Sample wt/vol: 5 (mL) Date Analyzed: 05/20/2021 12:58
 Soil Aliquot Vol: _____ Dilution Factor: 80
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581769 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		200	100
1634-04-4	Methyl tert-butyl ether	ND		80	13
108-87-2	Methylcyclohexane	ND		80	13
75-09-2	Methylene Chloride	ND		80	35
100-42-5	Styrene	ND		80	58
127-18-4	Tetrachloroethene	ND		80	29
108-88-3	Toluene	ND		80	41
156-60-5	trans-1,2-Dichloroethene	ND		80	72
10061-02-6	trans-1,3-Dichloropropene	ND		80	30
79-01-6	Trichloroethene	37	J	80	37
75-69-4	Trichlorofluoromethane	ND		80	70
* 75-01-4	Vinyl chloride	130	D	80	72
1330-20-7	Xylenes, Total	ND		160	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	112		75-123

*** USE THIS RESULT**

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

FD OF SR-106

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184881-1</u>
SDG No.: _____	
Client Sample ID: <u>FD-05182021</u>	Lab Sample ID: <u>480-184881-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>S9414.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/18/2021 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/20/2021 13:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>80</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>581769</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	970		80	66
79-34-5	1,1,2,2-Tetrachloroethane	ND		80	17
79-00-5	1,1,2-Trichloroethane	ND		80	18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		80	25
75-34-3	1,1-Dichloroethane	4000		80	30
75-35-4	1,1-Dichloroethene	61	J	80	23
120-82-1	1,2,4-Trichlorobenzene	ND		80	33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		80	31
95-50-1	1,2-Dichlorobenzene	ND		80	63
107-06-2	1,2-Dichloroethane	ND		80	17
78-87-5	1,2-Dichloropropane	ND		80	58
541-73-1	1,3-Dichlorobenzene	ND		80	62
106-46-7	1,4-Dichlorobenzene	ND		80	67
78-93-3	2-Butanone (MEK)	ND		800	110
591-78-6	2-Hexanone	ND		400	99
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		400	170
67-64-1	Acetone	ND		800	240
71-43-2	Benzene	ND		80	33
75-27-4	Bromodichloromethane	ND		80	31
75-25-2	Bromoform	ND		80	21
74-83-9	Bromomethane	ND		80	55
75-15-0	Carbon disulfide	ND		80	15
56-23-5	Carbon tetrachloride	ND		80	22
108-90-7	Chlorobenzene	ND		80	60
124-48-1	Dibromochloromethane	ND		80	26
75-00-3	Chloroethane	64	J	80	26
67-66-3	Chloroform	ND		80	27
74-87-3	Chloromethane	ND		80	28
156-59-2	cis-1,2-Dichloroethene	190		80	65
10061-01-5	cis-1,3-Dichloropropene	ND		80	29
110-82-7	Cyclohexane	ND		80	14
75-71-8	Dichlorodifluoromethane	ND		80	54
100-41-4	Ethylbenzene	ND		80	59
106-93-4	1,2-Dibromoethane	ND		80	58
98-82-8	Isopropylbenzene	ND		80	63

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

FD OF SR-106

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184881-1</u>
SDG No.: _____	
Client Sample ID: <u>FD-05182021</u>	Lab Sample ID: <u>480-184881-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>S9414.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/18/2021 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/20/2021 13:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>80</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>581769</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		200	100
1634-04-4	Methyl tert-butyl ether	ND		80	13
108-87-2	Methylcyclohexane	ND		80	13
75-09-2	Methylene Chloride	ND		80	35
100-42-5	Styrene	ND		80	58
127-18-4	Tetrachloroethene	ND		80	29
108-88-3	Toluene	ND		80	41
156-60-5	trans-1,2-Dichloroethene	ND		80	72
10061-02-6	trans-1,3-Dichloropropene	ND		80	30
79-01-6	Trichloroethene	45	J	80	37
75-69-4	Trichlorofluoromethane	ND		80	70
75-01-4	Vinyl chloride	150		80	72
1330-20-7	Xylenes, Total	ND		160	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184881-1</u>
SDG No.: _____	
Client Sample ID: <u>SR-001</u>	Lab Sample ID: <u>480-184881-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>S9415.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/18/2021 14:57</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/20/2021 13:44</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>581769</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	34		10	3.0
71-43-2	Benzene	8.8		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	36		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	2.2		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184881-1
 SDG No.: _____
 Client Sample ID: SR-001 Lab Sample ID: 480-184881-4
 Matrix: Water Lab File ID: S9415.D
 Analysis Method: 8260C Date Collected: 05/18/2021 14:57
 Sample wt/vol: 5 (mL) Date Analyzed: 05/20/2021 13:44
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581769 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	23		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	0.99	J	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	3.2		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184881-1</u>
SDG No.: _____	
Client Sample ID: <u>TB-05182021</u>	Lab Sample ID: <u>480-184881-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>S9389.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/18/2021 00:00</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/20/2021 02:38</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>581688</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184881-1
 SDG No.: _____
 Client Sample ID: TB-05182021 Lab Sample ID: 480-184881-5
 Matrix: Water Lab File ID: S9389.D
 Analysis Method: 8260C Date Collected: 05/18/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/20/2021 02:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581688 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	90		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184881-1
SDG No.: _____
Client Sample ID: SR-101 Lab Sample ID: 480-184881-1
Matrix: Water Lab File ID: U33162146.D
Analysis Method: 8270D SIM ID Date Collected: 05/18/2021 11:40
Extract. Method: 3510C Date Extracted: 05/20/2021 08:30
Sample wt/vol: 960 (mL) Date Analyzed: 05/21/2021 19:48
Con. Extract Vol.: 1 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 582073 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	2.5		0.21	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	35		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184881-1
 SDG No.: _____
 Client Sample ID: SR-106 Lab Sample ID: 480-184881-2
 Matrix: Water Lab File ID: U33162185.D
 Analysis Method: 8270D SIM ID Date Collected: 05/18/2021 13:50
 Extract. Method: 3510C Date Extracted: 05/20/2021 08:30
 Sample wt/vol: 1030 (mL) Date Analyzed: 05/24/2021 15:07
 Con. Extract Vol.: 1 (mL) Dilution Factor: 50
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 582351 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	210		9.7	4.9

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	26		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET FD OF SR-106

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184881-1</u>
SDG No.: _____	
Client Sample ID: <u>FD-05182021</u>	Lab Sample ID: <u>480-184881-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>U33162186.D</u>
Analysis Method: <u>8270D SIM ID</u>	Date Collected: <u>05/18/2021 00:00</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>05/20/2021 08:30</u>
Sample wt/vol: <u>1040 (mL)</u>	Date Analyzed: <u>05/24/2021 15:31</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>50</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>582351</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	260		9.6	4.8

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	28		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184881-1
SDG No.: _____
Client Sample ID: SR-001 Lab Sample ID: 480-184881-4
Matrix: Water Lab File ID: U33162154.D
Analysis Method: 8270D SIM ID Date Collected: 05/18/2021 14:57
Extract. Method: 3510C Date Extracted: 05/20/2021 08:30
Sample wt/vol: 980 (mL) Date Analyzed: 05/21/2021 22:55
Con. Extract Vol.: 1 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 582073 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.0		0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	31		15-110

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184951-1</u>
SDG No.: _____	
Client Sample ID: <u>SR-108</u>	Lab Sample ID: <u>480-184951-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>S9446.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/19/2021 08:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/21/2021 01:43</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>581885</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	57		1.0	0.38
75-35-4	1,1-Dichloroethene	0.80	J	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	0.80	J	1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: SR-108 Lab Sample ID: 480-184951-1
 Matrix: Water Lab File ID: S9446.D
 Analysis Method: 8260C Date Collected: 05/19/2021 08:15
 Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 01:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	1.4		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	47		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	1.0		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	9.2		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184951-1</u>
SDG No.: _____	
Client Sample ID: <u>SR-104</u>	Lab Sample ID: <u>480-184951-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>S9447.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/19/2021 09:15</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/21/2021 02:06</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>50</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>581885</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	65		50	41
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	11
79-00-5	1,1,2-Trichloroethane	ND		50	12
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	16
75-34-3	1,1-Dichloroethane	98		50	19
75-35-4	1,1-Dichloroethene	31	J	50	15
120-82-1	1,2,4-Trichlorobenzene	ND		50	21
96-12-8	1,2-Dibromo-3-Chloropropane	ND		50	20
95-50-1	1,2-Dichlorobenzene	ND		50	40
107-06-2	1,2-Dichloroethane	ND		50	11
78-87-5	1,2-Dichloropropane	ND		50	36
541-73-1	1,3-Dichlorobenzene	ND		50	39
106-46-7	1,4-Dichlorobenzene	ND		50	42
78-93-3	2-Butanone (MEK)	ND		500	66
591-78-6	2-Hexanone	ND		250	62
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	110
67-64-1	Acetone	ND		500	150
71-43-2	Benzene	ND		50	21
75-27-4	Bromodichloromethane	ND		50	20
75-25-2	Bromoform	ND		50	13
74-83-9	Bromomethane	ND		50	35
75-15-0	Carbon disulfide	ND		50	9.5
56-23-5	Carbon tetrachloride	ND		50	14
108-90-7	Chlorobenzene	ND		50	38
124-48-1	Dibromochloromethane	ND		50	16
75-00-3	Chloroethane	ND		50	16
67-66-3	Chloroform	ND		50	17
74-87-3	Chloromethane	ND		50	18
156-59-2	cis-1,2-Dichloroethene	3600		50	41
10061-01-5	cis-1,3-Dichloropropene	ND		50	18
110-82-7	Cyclohexane	ND		50	9.0
75-71-8	Dichlorodifluoromethane	ND		50	34
100-41-4	Ethylbenzene	ND		50	37
106-93-4	1,2-Dibromoethane	ND		50	37
98-82-8	Isopropylbenzene	ND		50	40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: SR-104 Lab Sample ID: 480-184951-2
 Matrix: Water Lab File ID: S9447.D
 Analysis Method: 8260C Date Collected: 05/19/2021 09:15
 Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 02:06
 Soil Aliquot Vol: _____ Dilution Factor: 50
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		130	65
1634-04-4	Methyl tert-butyl ether	ND		50	8.0
108-87-2	Methylcyclohexane	ND		50	8.0
75-09-2	Methylene Chloride	ND		50	22
100-42-5	Styrene	ND		50	37
127-18-4	Tetrachloroethene	ND		50	18
108-88-3	Toluene	ND		50	26
156-60-5	trans-1,2-Dichloroethene	ND		50	45
10061-02-6	trans-1,3-Dichloropropene	ND		50	19
79-01-6	Trichloroethene	2300		50	23
75-69-4	Trichlorofluoromethane	ND		50	44
75-01-4	Vinyl chloride	ND		50	45
1330-20-7	Xylenes, Total	ND		100	33

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1

SDG No.: _____

Client Sample ID: SR-003 Lab Sample ID: 480-184951-3

Matrix: Water Lab File ID: S9448.D

Analysis Method: 8260C Date Collected: 05/19/2021 10:25

Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 02:29

Soil Aliquot Vol: _____ Dilution Factor: 40

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		40	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		40	8.4
79-00-5	1,1,2-Trichloroethane	ND		40	9.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12
75-34-3	1,1-Dichloroethane	140		40	15
75-35-4	1,1-Dichloroethene	38	J	40	12
120-82-1	1,2,4-Trichlorobenzene	ND		40	16
96-12-8	1,2-Dibromo-3-Chloropropane	ND		40	16
95-50-1	1,2-Dichlorobenzene	ND		40	32
107-06-2	1,2-Dichloroethane	ND		40	8.4
78-87-5	1,2-Dichloropropane	ND		40	29
541-73-1	1,3-Dichlorobenzene	ND		40	31
106-46-7	1,4-Dichlorobenzene	ND		40	34
78-93-3	2-Butanone (MEK)	ND		400	53
591-78-6	2-Hexanone	ND		200	50
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	ND		40	16
75-27-4	Bromodichloromethane	ND		40	16
75-25-2	Bromoform	ND		40	10
74-83-9	Bromomethane	ND		40	28
75-15-0	Carbon disulfide	ND		40	7.6
56-23-5	Carbon tetrachloride	ND		40	11
108-90-7	Chlorobenzene	ND		40	30
124-48-1	Dibromochloromethane	ND		40	13
75-00-3	Chloroethane	ND		40	13
67-66-3	Chloroform	ND		40	14
74-87-3	Chloromethane	ND		40	14
156-59-2	cis-1,2-Dichloroethene	1400		40	32
10061-01-5	cis-1,3-Dichloropropene	ND		40	14
110-82-7	Cyclohexane	ND		40	7.2
75-71-8	Dichlorodifluoromethane	ND		40	27
100-41-4	Ethylbenzene	ND		40	30
106-93-4	1,2-Dibromoethane	ND		40	29
98-82-8	Isopropylbenzene	ND		40	32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: SR-003 Lab Sample ID: 480-184951-3
 Matrix: Water Lab File ID: S9448.D
 Analysis Method: 8260C Date Collected: 05/19/2021 10:25
 Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 02:29
 Soil Aliquot Vol: _____ Dilution Factor: 40
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		100	52
1634-04-4	Methyl tert-butyl ether	ND		40	6.4
108-87-2	Methylcyclohexane	ND		40	6.4
75-09-2	Methylene Chloride	ND		40	18
100-42-5	Styrene	ND		40	29
127-18-4	Tetrachloroethene	ND		40	14
108-88-3	Toluene	ND		40	20
156-60-5	trans-1,2-Dichloroethene	ND		40	36
10061-02-6	trans-1,3-Dichloropropene	ND		40	15
79-01-6	Trichloroethene	1200		40	18
75-69-4	Trichlorofluoromethane	ND		40	35
75-01-4	Vinyl chloride	ND		40	36
1330-20-7	Xylenes, Total	ND		80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1

SDG No.: _____

Client Sample ID: SR-002 Lab Sample ID: 480-184951-4

Matrix: Water Lab File ID: S9449.D

Analysis Method: 8260C Date Collected: 05/19/2021 11:20

Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 02:52

Soil Aliquot Vol: _____ Dilution Factor: 20

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
75-34-3	1,1-Dichloroethane	52		20	7.6
75-35-4	1,1-Dichloroethene	ND		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
95-50-1	1,2-Dichlorobenzene	ND		20	16
107-06-2	1,2-Dichloroethane	ND		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	ND		200	60
71-43-2	Benzene	8.6	J	20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	ND		20	15
124-48-1	Dibromochloromethane	ND		20	6.4
75-00-3	Chloroethane	ND		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	840		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	14	J	20	3.6
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	ND		20	15
106-93-4	1,2-Dibromoethane	ND		20	15
98-82-8	Isopropylbenzene	ND		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: SR-002 Lab Sample ID: 480-184951-4
 Matrix: Water Lab File ID: S9449.D
 Analysis Method: 8260C Date Collected: 05/19/2021 11:20
 Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 02:52
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		50	26
1634-04-4	Methyl tert-butyl ether	ND		20	3.2
108-87-2	Methylcyclohexane	10	J	20	3.2
75-09-2	Methylene Chloride	ND		20	8.8
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	ND		20	7.2
108-88-3	Toluene	ND		20	10
156-60-5	trans-1,2-Dichloroethene	ND		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	14	J	20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	130		20	18
1330-20-7	Xylenes, Total	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-184951-1</u>
SDG No.: _____	
Client Sample ID: <u>SR-004</u>	Lab Sample ID: <u>480-184951-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>S9450.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/19/2021 13:28</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/21/2021 03:15</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>581885</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	5.6	J	10	3.0
71-43-2	Benzene	7.8		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	7.7		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	1.8		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: SR-004 Lab Sample ID: 480-184951-5
 Matrix: Water Lab File ID: S9450.D
 Analysis Method: 8260C Date Collected: 05/19/2021 13:28
 Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 03:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	4.5		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	8.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	7.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: BRW-02 Lab Sample ID: 480-184951-6
 Matrix: Water Lab File ID: S9451.D
 Analysis Method: 8260C Date Collected: 05/19/2021 14:40
 Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 03:39
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	400	E	20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
75-34-3	1,1-Dichloroethane	500	E	20	7.6
75-35-4	1,1-Dichloroethene	400		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
95-50-1	1,2-Dichlorobenzene	ND		20	16
107-06-2	1,2-Dichloroethane	ND		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	ND		200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	ND		20	15
124-48-1	Dibromochloromethane	ND		20	6.4
75-00-3	Chloroethane	ND		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	ND		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	ND		20	15
106-93-4	1,2-Dibromoethane	ND		20	15
98-82-8	Isopropylbenzene	ND		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: BRW-02 Lab Sample ID: 480-184951-6
 Matrix: Water Lab File ID: S9451.D
 Analysis Method: 8260C Date Collected: 05/19/2021 14:40
 Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 03:39
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		50	26
1634-04-4	Methyl tert-butyl ether	ND		20	3.2
108-87-2	Methylcyclohexane	14	J	20	3.2
75-09-2	Methylene Chloride	ND		20	8.8
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	ND		20	7.2
108-88-3	Toluene	ND		20	10
156-60-5	trans-1,2-Dichloroethene	ND		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	18	J	20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	ND		20	18
1330-20-7	Xylenes, Total	ND		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	111		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1

SDG No.: _____

Client Sample ID: BRW-02 DL Lab Sample ID: 480-184951-6 DL

Matrix: Water Lab File ID: S9475.D

Analysis Method: 8260C Date Collected: 05/19/2021 14:40

Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 13:13

Soil Aliquot Vol: _____ Dilution Factor: 100

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 581985 Units: ug/L

	CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
*	71-55-6	1,1,1-Trichloroethane	4000		100	82
	79-34-5	1,1,2,2-Tetrachloroethane	ND		100	21
	79-00-5	1,1,2-Trichloroethane	ND		100	23
	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31
*	75-34-3	1,1-Dichloroethane	5300		100	38
	75-35-4	1,1-Dichloroethene	400		100	29
	120-82-1	1,2,4-Trichlorobenzene	ND		100	41
	96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	39
	95-50-1	1,2-Dichlorobenzene	ND		100	79
	107-06-2	1,2-Dichloroethane	ND		100	21
	78-87-5	1,2-Dichloropropane	ND		100	72
	541-73-1	1,3-Dichlorobenzene	ND		100	78
	106-46-7	1,4-Dichlorobenzene	ND		100	84
	78-93-3	2-Butanone (MEK)	ND		1000	130
	591-78-6	2-Hexanone	ND		500	120
	108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	210
	67-64-1	Acetone	ND		1000	300
	71-43-2	Benzene	ND		100	41
	75-27-4	Bromodichloromethane	ND		100	39
	75-25-2	Bromoform	ND		100	26
	74-83-9	Bromomethane	ND		100	69
	75-15-0	Carbon disulfide	ND		100	19
	56-23-5	Carbon tetrachloride	ND		100	27
	108-90-7	Chlorobenzene	ND		100	75
	124-48-1	Dibromochloromethane	ND		100	32
	75-00-3	Chloroethane	ND		100	32
	67-66-3	Chloroform	ND		100	34
	74-87-3	Chloromethane	ND		100	35
	156-59-2	cis-1,2-Dichloroethene	ND		100	81
	10061-01-5	cis-1,3-Dichloropropene	ND		100	36
	110-82-7	Cyclohexane	ND		100	18
	75-71-8	Dichlorodifluoromethane	ND		100	68
	100-41-4	Ethylbenzene	ND		100	74
	106-93-4	1,2-Dibromoethane	ND		100	73
	98-82-8	Isopropylbenzene	ND		100	79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: BRW-02 DL Lab Sample ID: 480-184951-6 DL
 Matrix: Water Lab File ID: S9475.D
 Analysis Method: 8260C Date Collected: 05/19/2021 14:40
 Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 13:13
 Soil Aliquot Vol: _____ Dilution Factor: 100
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581985 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		250	130
1634-04-4	Methyl tert-butyl ether	ND		100	16
108-87-2	Methylcyclohexane	17	J	100	16
75-09-2	Methylene Chloride	ND		100	44
100-42-5	Styrene	ND		100	73
127-18-4	Tetrachloroethene	ND		100	36
108-88-3	Toluene	ND		100	51
156-60-5	trans-1,2-Dichloroethene	ND		100	90
10061-02-6	trans-1,3-Dichloropropene	ND		100	37
79-01-6	Trichloroethene	ND		100	46
75-69-4	Trichlorofluoromethane	ND		100	88
75-01-4	Vinyl chloride	ND		100	90
1330-20-7	Xylenes, Total	ND		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	108		75-123

*** USE THIS RESULT**

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1

SDG No.: _____

Client Sample ID: TB-05192021 Lab Sample ID: 480-184951-7

Matrix: Water Lab File ID: S9452.D

Analysis Method: 8260C Date Collected: 05/19/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 05/21/2021 04:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: TB-05192021 Lab Sample ID: 480-184951-7
 Matrix: Water Lab File ID: S9452.D
 Analysis Method: 8260C Date Collected: 05/19/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/21/2021 04:01
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 581885 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		77-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	110		75-123

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: SR-108 Lab Sample ID: 480-184951-1
 Matrix: Water Lab File ID: U33162168.D
 Analysis Method: 8270D SIM ID Date Collected: 05/19/2021 08:15
 Extract. Method: 3510C Date Extracted: 05/20/2021 15:09
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/22/2021 04:32
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 582076 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	6.8		0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	27		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
SDG No.: _____
Client Sample ID: SR-104 Lab Sample ID: 480-184951-2
Matrix: Water Lab File ID: U33162169.D
Analysis Method: 8270D SIM ID Date Collected: 05/19/2021 09:15
Extract. Method: 3510C Date Extracted: 05/20/2021 15:09
Sample wt/vol: 1000 (mL) Date Analyzed: 05/22/2021 04:56
Con. Extract Vol.: 1 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 582076 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.90		0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	26		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
SDG No.: _____
Client Sample ID: SR-003 Lab Sample ID: 480-184951-3
Matrix: Water Lab File ID: U33162189.D
Analysis Method: 8270D SIM ID Date Collected: 05/19/2021 10:25
Extract. Method: 3510C Date Extracted: 05/20/2021 15:09
Sample wt/vol: 1000 (mL) Date Analyzed: 05/24/2021 16:42
Con. Extract Vol.: 1 (mL) Dilution Factor: 5
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 582351 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	25		1.0	0.50

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	26		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: SR-002 Lab Sample ID: 480-184951-4
 Matrix: Water Lab File ID: U33162171.D
 Analysis Method: 8270D SIM ID Date Collected: 05/19/2021 11:20
 Extract. Method: 3510C Date Extracted: 05/20/2021 15:09
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/22/2021 05:43
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 582076 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	2.5		0.20	0.10

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	28		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
 SDG No.: _____
 Client Sample ID: SR-004 Lab Sample ID: 480-184951-5
 Matrix: Water Lab File ID: U33162190.D
 Analysis Method: 8270D SIM ID Date Collected: 05/19/2021 13:28
 Extract. Method: 3510C Date Extracted: 05/20/2021 15:09
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/24/2021 17:06
 Con. Extract Vol.: 1 (mL) Dilution Factor: 5
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 582351 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	14		1.0	0.50

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	26		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-184951-1
SDG No.: _____
Client Sample ID: BRW-02 Lab Sample ID: 480-184951-6
Matrix: Water Lab File ID: U33162191.D
Analysis Method: 8270D SIM ID Date Collected: 05/19/2021 14:40
Extract. Method: 3510C Date Extracted: 05/20/2021 15:09
Sample wt/vol: 1000 (mL) Date Analyzed: 05/24/2021 17:30
Con. Extract Vol.: 1 (mL) Dilution Factor: 5
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 582351 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	15		1.0	0.50

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	25		15-110

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1
 SDG No.: _____
 Client Sample ID: SR-005 Lab Sample ID: 480-185015-1
 Matrix: Water Lab File ID: D0668.D
 Analysis Method: 8260C Date Collected: 05/20/2021 08:17
 Sample wt/vol: 5 (mL) Date Analyzed: 05/26/2021 19:15
 Soil Aliquot Vol: _____ Dilution Factor: 500
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 582757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	50000		500	410
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	110
79-00-5	1,1,2-Trichloroethane	ND		500	120
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160
75-34-3	1,1-Dichloroethane	37000		500	190
75-35-4	1,1-Dichloroethene	4700		500	150
120-82-1	1,2,4-Trichlorobenzene	ND		500	210
96-12-8	1,2-Dibromo-3-Chloropropane	ND		500	200
95-50-1	1,2-Dichlorobenzene	ND		500	400
107-06-2	1,2-Dichloroethane	ND		500	110
78-87-5	1,2-Dichloropropane	ND		500	360
541-73-1	1,3-Dichlorobenzene	ND		500	390
106-46-7	1,4-Dichlorobenzene	ND		500	420
78-93-3	2-Butanone (MEK)	750	J	5000	660
591-78-6	2-Hexanone	ND		2500	620
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2500	1100
67-64-1	Acetone	6900		5000	1500
71-43-2	Benzene	ND		500	210
75-27-4	Bromodichloromethane	ND		500	200
75-25-2	Bromoform	ND		500	130
74-83-9	Bromomethane	ND		500	350
75-15-0	Carbon disulfide	ND		500	95
56-23-5	Carbon tetrachloride	ND		500	140
108-90-7	Chlorobenzene	ND		500	380
124-48-1	Dibromochloromethane	ND		500	160
75-00-3	Chloroethane	ND		500	160
67-66-3	Chloroform	ND		500	170
74-87-3	Chloromethane	ND		500	180
156-59-2	cis-1,2-Dichloroethene	520		500	410
10061-01-5	cis-1,3-Dichloropropene	ND		500	180
110-82-7	Cyclohexane	ND		500	90
75-71-8	Dichlorodifluoromethane	ND		500	340
100-41-4	Ethylbenzene	ND		500	370
106-93-4	1,2-Dibromoethane	ND		500	370
98-82-8	Isopropylbenzene	ND		500	400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1
 SDG No.: _____
 Client Sample ID: SR-005 Lab Sample ID: 480-185015-1
 Matrix: Water Lab File ID: D0668.D
 Analysis Method: 8260C Date Collected: 05/20/2021 08:17
 Sample wt/vol: 5 (mL) Date Analyzed: 05/26/2021 19:15
 Soil Aliquot Vol: _____ Dilution Factor: 500
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 582757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1300	650
1634-04-4	Methyl tert-butyl ether	ND		500	80
108-87-2	Methylcyclohexane	ND		500	80
75-09-2	Methylene Chloride	ND		500	220
100-42-5	Styrene	ND		500	370
127-18-4	Tetrachloroethene	ND		500	180
108-88-3	Toluene	ND		500	260
156-60-5	trans-1,2-Dichloroethene	ND		500	450
10061-02-6	trans-1,3-Dichloropropene	ND		500	190
79-01-6	Trichloroethene	15000		500	230
75-69-4	Trichlorofluoromethane	ND		500	440
75-01-4	Vinyl chloride	ND		500	450
1330-20-7	Xylenes, Total	ND		1000	330

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins TestAmerica, Buffalo</u>	Job No.: <u>480-185015-1</u>
SDG No.: _____	
Client Sample ID: <u>SR-105</u>	Lab Sample ID: <u>480-185015-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>D0669.D</u>
Analysis Method: <u>8260C</u>	Date Collected: <u>05/20/2021 09:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>05/26/2021 19:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>4000</u>
Soil Extract Vol.: _____	GC Column: <u>ZB-624 (20)</u> ID: <u>0.18 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>582757</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	140000		4000	3300
79-34-5	1,1,2,2-Tetrachloroethane	ND		4000	840
79-00-5	1,1,2-Trichloroethane	ND		4000	920
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4000	1200
75-34-3	1,1-Dichloroethane	75000		4000	1500
75-35-4	1,1-Dichloroethene	13000		4000	1200
120-82-1	1,2,4-Trichlorobenzene	ND		4000	1600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4000	1600
95-50-1	1,2-Dichlorobenzene	ND		4000	3200
107-06-2	1,2-Dichloroethane	ND		4000	840
78-87-5	1,2-Dichloropropane	ND		4000	2900
541-73-1	1,3-Dichlorobenzene	ND		4000	3100
106-46-7	1,4-Dichlorobenzene	ND		4000	3400
78-93-3	2-Butanone (MEK)	ND		40000	5300
591-78-6	2-Hexanone	ND		20000	5000
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20000	8400
67-64-1	Acetone	18000	J	40000	12000
71-43-2	Benzene	ND		4000	1600
75-27-4	Bromodichloromethane	ND		4000	1600
75-25-2	Bromoform	ND		4000	1000
74-83-9	Bromomethane	ND		4000	2800
75-15-0	Carbon disulfide	ND		4000	760
56-23-5	Carbon tetrachloride	ND		4000	1100
108-90-7	Chlorobenzene	ND		4000	3000
124-48-1	Dibromochloromethane	ND		4000	1300
75-00-3	Chloroethane	ND		4000	1300
67-66-3	Chloroform	ND		4000	1400
74-87-3	Chloromethane	ND		4000	1400
156-59-2	cis-1,2-Dichloroethene	23000		4000	3200
10061-01-5	cis-1,3-Dichloropropene	ND		4000	1400
110-82-7	Cyclohexane	ND		4000	720
75-71-8	Dichlorodifluoromethane	ND		4000	2700
100-41-4	Ethylbenzene	ND		4000	3000
106-93-4	1,2-Dibromoethane	ND		4000	2900
98-82-8	Isopropylbenzene	ND		4000	3200

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1
 SDG No.: _____
 Client Sample ID: SR-105 Lab Sample ID: 480-185015-2
 Matrix: Water Lab File ID: D0669.D
 Analysis Method: 8260C Date Collected: 05/20/2021 09:30
 Sample wt/vol: 5 (mL) Date Analyzed: 05/26/2021 19:37
 Soil Aliquot Vol: _____ Dilution Factor: 4000
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 582757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10000	5200
1634-04-4	Methyl tert-butyl ether	ND		4000	640
108-87-2	Methylcyclohexane	ND		4000	640
75-09-2	Methylene Chloride	ND		4000	1800
100-42-5	Styrene	ND		4000	2900
127-18-4	Tetrachloroethene	ND		4000	1400
108-88-3	Toluene	ND		4000	2000
156-60-5	trans-1,2-Dichloroethene	ND		4000	3600
10061-02-6	trans-1,3-Dichloropropene	ND		4000	1500
79-01-6	Trichloroethene	65000		4000	1800
75-69-4	Trichlorofluoromethane	ND		4000	3500
75-01-4	Vinyl chloride	ND		4000	3600
1330-20-7	Xylenes, Total	ND		8000	2600

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1

SDG No.: _____

Client Sample ID: BRW-01 Lab Sample ID: 480-185015-3

Matrix: Water Lab File ID: D0670.D

Analysis Method: 8260C Date Collected: 05/20/2021 10:42

Sample wt/vol: 5 (mL) Date Analyzed: 05/26/2021 20:00

Soil Aliquot Vol: _____ Dilution Factor: 80

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 582757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	3700		80	66
79-34-5	1,1,2,2-Tetrachloroethane	ND		80	17
79-00-5	1,1,2-Trichloroethane	ND		80	18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		80	25
75-34-3	1,1-Dichloroethane	2000		80	30
75-35-4	1,1-Dichloroethene	640		80	23
120-82-1	1,2,4-Trichlorobenzene	ND		80	33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		80	31
95-50-1	1,2-Dichlorobenzene	ND		80	63
107-06-2	1,2-Dichloroethane	ND		80	17
78-87-5	1,2-Dichloropropane	ND		80	58
541-73-1	1,3-Dichlorobenzene	ND		80	62
106-46-7	1,4-Dichlorobenzene	ND		80	67
78-93-3	2-Butanone (MEK)	ND		800	110
591-78-6	2-Hexanone	ND		400	99
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		400	170
67-64-1	Acetone	ND		800	240
71-43-2	Benzene	ND		80	33
75-27-4	Bromodichloromethane	ND		80	31
75-25-2	Bromoform	ND		80	21
74-83-9	Bromomethane	ND		80	55
75-15-0	Carbon disulfide	ND		80	15
56-23-5	Carbon tetrachloride	ND		80	22
108-90-7	Chlorobenzene	ND		80	60
124-48-1	Dibromochloromethane	ND		80	26
75-00-3	Chloroethane	ND		80	26
67-66-3	Chloroform	ND		80	27
74-87-3	Chloromethane	ND		80	28
156-59-2	cis-1,2-Dichloroethene	340		80	65
10061-01-5	cis-1,3-Dichloropropene	ND		80	29
110-82-7	Cyclohexane	ND		80	14
75-71-8	Dichlorodifluoromethane	ND		80	54
100-41-4	Ethylbenzene	ND		80	59
106-93-4	1,2-Dibromoethane	ND		80	58
98-82-8	Isopropylbenzene	ND		80	63

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1
 SDG No.: _____
 Client Sample ID: BRW-01 Lab Sample ID: 480-185015-3
 Matrix: Water Lab File ID: D0670.D
 Analysis Method: 8260C Date Collected: 05/20/2021 10:42
 Sample wt/vol: 5 (mL) Date Analyzed: 05/26/2021 20:00
 Soil Aliquot Vol: _____ Dilution Factor: 80
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 582757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		200	100
1634-04-4	Methyl tert-butyl ether	ND		80	13
108-87-2	Methylcyclohexane	13	J	80	13
75-09-2	Methylene Chloride	ND		80	35
100-42-5	Styrene	ND		80	58
127-18-4	Tetrachloroethene	ND		80	29
108-88-3	Toluene	ND		80	41
156-60-5	trans-1,2-Dichloroethene	ND		80	72
10061-02-6	trans-1,3-Dichloropropene	ND		80	30
79-01-6	Trichloroethene	390		80	37
75-69-4	Trichlorofluoromethane	ND		80	70
75-01-4	Vinyl chloride	ND		80	72
1330-20-7	Xylenes, Total	ND		160	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1

SDG No.: _____

Client Sample ID: SR-006 Lab Sample ID: 480-185015-4

Matrix: Water Lab File ID: D0671.D

Analysis Method: 8260C Date Collected: 05/20/2021 11:47

Sample wt/vol: 5 (mL) Date Analyzed: 05/26/2021 20:22

Soil Aliquot Vol: _____ Dilution Factor: 100

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 582757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	4100		100	82
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	21
79-00-5	1,1,2-Trichloroethane	ND		100	23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	31
75-34-3	1,1-Dichloroethane	7700		100	38
75-35-4	1,1-Dichloroethene	550		100	29
120-82-1	1,2,4-Trichlorobenzene	ND		100	41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		100	39
95-50-1	1,2-Dichlorobenzene	ND		100	79
107-06-2	1,2-Dichloroethane	ND		100	21
78-87-5	1,2-Dichloropropane	ND		100	72
541-73-1	1,3-Dichlorobenzene	ND		100	78
106-46-7	1,4-Dichlorobenzene	ND		100	84
78-93-3	2-Butanone (MEK)	ND		1000	130
591-78-6	2-Hexanone	ND		500	120
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	210
67-64-1	Acetone	ND		1000	300
71-43-2	Benzene	ND		100	41
75-27-4	Bromodichloromethane	ND		100	39
75-25-2	Bromoform	ND		100	26
74-83-9	Bromomethane	ND		100	69
75-15-0	Carbon disulfide	ND		100	19
56-23-5	Carbon tetrachloride	ND		100	27
108-90-7	Chlorobenzene	ND		100	75
124-48-1	Dibromochloromethane	ND		100	32
75-00-3	Chloroethane	ND		100	32
67-66-3	Chloroform	ND		100	34
74-87-3	Chloromethane	ND		100	35
156-59-2	cis-1,2-Dichloroethene	320		100	81
10061-01-5	cis-1,3-Dichloropropene	ND		100	36
110-82-7	Cyclohexane	ND		100	18
75-71-8	Dichlorodifluoromethane	ND		100	68
100-41-4	Ethylbenzene	ND		100	74
106-93-4	1,2-Dibromoethane	ND		100	73
98-82-8	Isopropylbenzene	ND		100	79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1
 SDG No.: _____
 Client Sample ID: SR-006 Lab Sample ID: 480-185015-4
 Matrix: Water Lab File ID: D0671.D
 Analysis Method: 8260C Date Collected: 05/20/2021 11:47
 Sample wt/vol: 5 (mL) Date Analyzed: 05/26/2021 20:22
 Soil Aliquot Vol: _____ Dilution Factor: 100
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 582757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		250	130
1634-04-4	Methyl tert-butyl ether	ND		100	16
108-87-2	Methylcyclohexane	20	J	100	16
75-09-2	Methylene Chloride	ND		100	44
100-42-5	Styrene	ND		100	73
127-18-4	Tetrachloroethene	ND		100	36
108-88-3	Toluene	ND		100	51
156-60-5	trans-1,2-Dichloroethene	ND		100	90
10061-02-6	trans-1,3-Dichloropropene	ND		100	37
79-01-6	Trichloroethene	870		100	46
75-69-4	Trichlorofluoromethane	ND		100	88
75-01-4	Vinyl chloride	ND		100	90
1330-20-7	Xylenes, Total	ND		200	66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1

SDG No.: _____

Client Sample ID: TB-05202021 Lab Sample ID: 480-185015-5

Matrix: Water Lab File ID: D0672.D

Analysis Method: 8260C Date Collected: 05/20/2021 00:00

Sample wt/vol: 5 (mL) Date Analyzed: 05/26/2021 20:45

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 582757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1
 SDG No.: _____
 Client Sample ID: TB-05202021 Lab Sample ID: 480-185015-5
 Matrix: Water Lab File ID: D0672.D
 Analysis Method: 8260C Date Collected: 05/20/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 05/26/2021 20:45
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 582757 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1
 SDG No.: _____
 Client Sample ID: SR-005 Lab Sample ID: 480-185015-1
 Matrix: Water Lab File ID: U33162264.D
 Analysis Method: 8270D SIM ID Date Collected: 05/20/2021 08:17
 Extract. Method: 3510C Date Extracted: 05/23/2021 09:19
 Sample wt/vol: 1050 (mL) Date Analyzed: 05/26/2021 20:26
 Con. Extract Vol.: 1 (mL) Dilution Factor: 100
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 582807 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1600	J	19	9.5

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	28		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1
SDG No.: _____
Client Sample ID: SR-105 Lab Sample ID: 480-185015-2
Matrix: Water Lab File ID: U33162265.D
Analysis Method: 8270D SIM ID Date Collected: 05/20/2021 09:30
Extract. Method: 3510C Date Extracted: 05/23/2021 09:19
Sample wt/vol: 1050 (mL) Date Analyzed: 05/26/2021 20:50
Con. Extract Vol.: 1 (mL) Dilution Factor: 100
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 582807 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	2900	J	19	9.5

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	25		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1
SDG No.: _____
Client Sample ID: BRW-01 Lab Sample ID: 480-185015-3
Matrix: Water Lab File ID: U33162266.D
Analysis Method: 8270D SIM ID Date Collected: 05/20/2021 10:42
Extract. Method: 3510C Date Extracted: 05/23/2021 09:19
Sample wt/vol: 1050 (mL) Date Analyzed: 05/26/2021 21:13
Con. Extract Vol.: 1 (mL) Dilution Factor: 100
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 582807 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1500	J	19	9.5

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	29		15-110

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-185015-1
SDG No.: _____
Client Sample ID: SR-006 Lab Sample ID: 480-185015-4
Matrix: Water Lab File ID: U33162295.D
Analysis Method: 8270D SIM ID Date Collected: 05/20/2021 11:47
Extract. Method: 3510C Date Extracted: 05/23/2021 09:19
Sample wt/vol: 1050 (mL) Date Analyzed: 05/27/2021 14:18
Con. Extract Vol.: 1 (mL) Dilution Factor: 100
Injection Volume: 1 (uL) Level: (low/med) Low
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 582988 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	250		19	9.5

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8	25		15-110

ATTACHMENT B

SUPPORT DOCUMENTATION

Client Information				Lab Info				Analysis Requested				Special Instructions/Notes			
Client Name: George Kialuk Client Address: 257 West Genesee Street, Suite 400, Buffalo, NY 14202-2857 Client Phone: 716-856-5636 Client Email: george.kialuk@secom.com				Lab Name: Johnson, Ortelis S Lab Address: Ortelis Johnson@Eurofins.com Lab Phone: 716-856-5636 Lab Email: Ortelis Johnson@Eurofins.com				Analysis Requested: Standard Compliance Project: Δ Yes Δ No PO #: CallOut ID: 136077 WO #: Project #: 4801844 SOW #: LeRoy, NY				Special Instructions/Notes: 480-18485 Chain of Custody 480-18485 Chain of Custody 480-18485 Chain of Custody			
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	Field Filtered Sample (Yes or No)	Test Method	Test Result	Test Method	Test Result	Test Method	Test Result	Test Method	Test Result		
SR-101	5/18/21	1140	G	Water		3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32		
SR-101-MS	5/18/21	1140	G	Water		3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32		
SR-101-MSD	5/18/21	1140	G	Water		3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32		
SR-106	5/18/21	1350	G	Water		3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32		
FD-05182021	5/18/21	-	G	Water		3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32		
SR-001	5/18/21	1457	G	Water		3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32		
TB-05182021	5/18/21	-	G	Water		3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32	3200 - TCL for CLM042	32		
Possible Hazard Identification				☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Polym B ☐ Unknown ☐ Radiological				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months							
Empty Kit Relinquished by:				Date:				Time:							
Relinquished by: Tom Chah				Date: 5/18/21				Time: Drop off							
Relinquished by:				Date:				Time:							
Relinquished by:				Date:				Time:							
Custody Seals Intact: Δ Yes Δ No				Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:							

Job Narrative
480-184881-1

Comments

No additional comments.

Receipt

The samples were received on 5/18/2021 4:37 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.5° C and 4.1° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: SR-106 (480-184881-2) and FD-05182021 (480-184881-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D SIM ID: The 1,4-Dioxane result reported for samples SR-101 (480-184881-1), SR-101 (480-184881-1[MS]) and SR-101 (480-184881-1[MSD]) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

Method 8270D SIM ID: The 1,4-Dioxane result reported for samples SR-106 (480-184881-2) and FD-05182021 (480-184881-3) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

Method 8270D SIM ID: The following samples were diluted to bring the concentration of target analytes within the calibration range: SR-106 (480-184881-2) and FD-05182021 (480-184881-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Chain of Custody Record

Client Information		Sampler: Tom Urban	Lab PM: Johnson, Oriette S	Carrier Tracking No(s): 480-160310-32501.1							
Client Contact: George Kistuk		Phone: 716-896-5636	E-Mail: Oriette.Johnson@Euroinset.com	State of Origin: NY							
Company: AEACOM		PWSID:	Page 1 of 1								
Address: 257 West Genesee Street Suite 400 Buffalo NY, 14202-2657		Due Date Requested:	Job #:								
City: Buffalo State Zip: NY, 14202-2657		TAT Requested (days): 5 standard	Analysis Requested								
Phone:		Compliance Project: Yes No	Barcode: 480-184951 Chain of Custody								
Email: george.kistuk@aecom.com		PO #: CallOut ID: 136077	cid								
Project #: 48018841		WO #:	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDA Y - other (specify)								
Site: Lapp Insulator Site# 819017		SSOW#:	Other:								
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=oil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Preservation Code:	8260C - (MOD) TCL list OLM04.2	8270D SIM MS ID - 1,4-Dioxane	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
SR-108	5/19/21	0815	G	Water		A				X	
SR-104	5/19/21	0915	G	Water		N				5	
SR-003	5/19/21	1025	G	Water		A				5	
SR-002	5/19/21	1120	G	Water		N				5	
SR-004	5/19/21	1328	G	Water		A				5	
BW-02	5/19/21	1440	G	Water		N				5	
TB-051920Z1	5/19/21	-	G	Water		A				2	Trip Blank
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological											
Deliverable Requested: I, II, III, IV, Other (specify)											
Empty Kit Relinquished by:											
Relinquished by: Tom Urban											
Relinquished by:											
Relinquished by:											
Custody Seals Intact: Yes No											
Custody Seal No.: 29, 3, 3 #1											
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months											
Special Instructions/QC Requirements:											
Method of Shipment: Drop off											
Received by: [Signature] Date/Time: 5/19/21 16:05 Company: AEACOM											
Received by: [Signature] Date/Time: BS Company: [Blank]											
Received by: [Signature] Date/Time: [Signature] Company: [Blank]											
Cooler Temperature(s) °C and Other Remarks: 29, 3, 3 #1											

Job Narrative
480-184951-1

Comments

No additional comments.

Receipt

The samples were received on 5/19/2021 4:05 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9° C and 3.3° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: SR-104 (480-184951-2), SR-003 (480-184951-3), SR-002 (480-184951-4) and BRW-02 (480-184951-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: BRW-02 (480-184951-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D SIM ID: The 1,4-Dioxane result reported for samples SR-108 (480-184951-1) and SR-002 (480-184951-4) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

Method 8270D SIM ID: The 1,4-Dioxane result reported for samples SR-003 (480-184951-3), SR-004 (480-184951-5) and BRW-02 (480-184951-6) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

Method 8270D SIM ID: The following samples were diluted to bring the concentration of target analytes within the calibration range: SR-003 (480-184951-3), SR-004 (480-184951-5) and BRW-02 (480-184951-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Phone: 716-891-2800 Fax: 716-891-7891

Client Information		Sampler: Tom Urban	Lab Pkt: Johnson, Oriette S	COC No: 480-180310-32301.2
Company: GEORGIA KLEBUK AECOM	Phone: 716-856-5636	E-Mail: Oriette.Johnson@Eurofire.com	State of Origin: NY	Page: Page 1 of 1
Address: 257 West Genesee Street Suite 400 Buffalo, NY 14202-2657	Due Date Requested:	FWSID:	Job #:	
TAT Requested (days): Standard	Compliance Project: Yes Δ No			
PO #:	Call Out ID: 136077			
Email: george.klebuk@aecom.com	Project #: 48018841			
Lapp Insulator Size# 819017	Size:			

Sample Identification	Sample Date	Sample Time	Sample Type (C-comp, G-grab)	Matrix (In-situ, Impact, Core-cut, etc.)	Field Filtered Sample (Yes or No)	Perform MS/NL	ESAC - (MOD) TCL Inc OLM42	ESTD SW MS ID - LA-Dioxins	ESAC - TCL Inc OLM42	Total Metals	Special Instructions/Note:
SR-005	5/20/21	0817	G	Water	X	A	N	3	3	X	
SR-105	5/20/21	0930	G	Water				3	3		
BW-01	5/20/21	1042	G	Water				3	3		
SR-006	5/20/21	1147	G	Water				3	3		
YB-5202021	5/20/21	-	G	Water				2	2		trip blank
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							

Possible Hazard Identification:
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Polion B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Requisitioned by:

Requisitioned By: Tom Urban Date/Time: 5/20/21 @ Company: AECOM

Requisitioned By: Date/Time: Company:

Requisitioned By: Date/Time: Company:

Custody Seals Intact: Yes Δ No Custody Seal No.: Sig # 1 EUE

Special Instructions/QC Requirements:
☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Method of Shipment: Day Off Received by: Date/Time: Company:

Received by: Date/Time: Company:

Received by: Date/Time: Company:

Cooler Temperature(s) °C and Other Remarks: Sig # 1 EUE

Job Narrative
480-185015-1

Comments

No additional comments.

Receipt

The samples were received on 5/20/2021 1:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.0° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: SR-005 (480-185015-1), SR-105 (480-185015-2), BRW-01 (480-185015-3), SR-006 (480-185015-4), (480-185015-C-4 MS) and (480-185015-C-4 MSD). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D SIM ID: The breakdown of 4,4'-DDT in the tuning evaluation exceeded 20%. Breakdown is not a criteria of the method but rather an internal check performed by the laboratory to evaluate the peak shape of 1,4-Dioxane and 1,4-Dioxane-d8. No adverse performance was observed and QC recoveries were in control. The data have been reported. (DFTPP 480-582615/2)

Method 8270D SIM ID: The following samples were diluted to bring the concentration of target analytes within the calibration range: SR-005 (480-185015-1), SR-105 (480-185015-2) and BRW-01 (480-185015-3). Elevated reporting limits (RLs) are provided.

Method 8270D SIM ID: The following sample was diluted to bring the concentration of target analytes within the calibration range: SR-006 (480-185015-4). Elevated reporting limits (RLs) are provided.

Method 8270D SIM ID: The 1,4-Dioxane result reported for sample SR-006 (480-185015-4) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

Method 8270D SIM ID: The recovery of 1,4-Dioxane in the following samples were over the upper range of the initial calibration: SR-005 (480-185015-1), SR-105 (480-185015-2) and BRW-01 (480-185015-3). Re-analysis was performed at a higher dilution. Due to the level of dilution required, the IDA 1,4-Dioxane-d8 was diluted to a level that could not be detected; therefore, the recovery of 1,4-Dioxane could not be calculated. The results from the lower dilution have been qualified with an "E" flag and reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

ATTACHMENT 4

**INVESTIGATION DERIVED WASTE DISPOSAL
DOCUMENTATION**

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYD074034141		2. Page 1 of 1		3. Emergency Response Phone 800-535-5053		4. Manifest Tracking Number 012366767 FLE			
		5. Generator's Name and Mailing Address LAPP Insulators Co. 130 Gilbert Street Leroy, NY 14482 Generator's Phone: 585-295-8830								Generator's Site Address (if different than mailing address)	
6. Transporter 1 Company Name Environmental Service Group, Inc. (NY)		716.695.6720				U.S. EPA ID Number NYD986903904					
7. Transporter 2 Company Name						U.S. EPA ID Number					
8. Designated Facility Name and Site Address Chemical Solvents Inc 1010 Denison Avenue Cleveland, OH 44109 Facility's Phone: 800-362-0693						U.S. EPA ID Number OHD980897658					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. RQ, NA3082, Hazardous waste, liquid, n.o.s., 9, III, (Trichloroethylene)				001 DM		055	G	D040	
		2.									
		3.									
		4.									
14. Special Handling Instructions and Additional Information 1-48873 ERG: 1- 171 24 Hour Emergency Contact: INFOTRAC (Caller Must ID ESG) 800-535-5053 <i>Investigation derived waste under Superfund #819617</i>											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Officer's Printed/Typed Name Nicole Carfi, on behalf of NYSDEC Signature <i>[Signature]</i> on behalf of NYSDEC Month 7 Day 28 Year 21											
INT'L	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name JAMES PEDERSON Signature <i>[Signature]</i> Month 07 Day 28 Year 21 Transporter 2 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____										
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Manifest Reference Number: _____										
	18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____ Facility's Phone: _____										
	18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____										
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1.		2.		3.		4.					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____											