



DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

September 23, 2021 (Revised October 1, 2021)

Silence Dogood, LLC
c/o Jeffrey Belt
211 Franklin Street
Olean, New York 14760

RE: Annual Groundwater Monitoring and Cover Inspection
NYSDEC BCP Site No. C905043
202 Franklin Street
Olean, New York

Dear Mr. Belt:

Day Environmental, Inc. (DAY) completed an annual groundwater monitoring event and cover inspection at the above-referenced property (Site) on June 29, 2021. The annual groundwater monitoring event and cover inspection are required components of the Site Management Plan (SMP) dated December 2019. The following sections describe the work completed and present data generated as part of the June 29, 2021 annual groundwater monitoring and cover inspection event. A project locus map, depicting the location of the Site, is provided as Figure 1.

Background

The Site was remediated under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). The NYSDEC issued a certificate of completion for BCP Site C905043 on December 11, 2019.

Following the completion of the remedial work, some contamination was left at the Site beneath a cover system. This cover system consists of asphalt pavement (i.e., over the 1.83-acre portion is developed as a paved parking lot); one-foot thick mulch cover under the driplines of the remaining mature trees (i.e., located along the eastern edge of the Site); one-foot thick stone cover within a surface drainage channel (i.e., located north of the paved parking lot); and/or one-foot thick soil cover over the remaining portions of the Site. As such, the December 2019 SMP was prepared to manage the remaining contamination at the Site until the Environmental Easement is extinguished in accordance with New York State Environmental Law (ECL) Article 71, Title 36. As outlined in Section 4.0 *Monitoring and Sampling*, of the December 2019 SMP, the following actions are required to address the residual contamination: 1) the completion of annual groundwater sampling and analysis in the locations, and utilizing the methods, specified in the SMP and 2) completion of the annual cover inspection.

Field Activities

On June 29, 2021, DAY representatives were at the Site to conduct a site inspection and monitoring event in accordance with the December 2019 SMP. The following scope of work was completed:

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www.dayenvironmental.com

- Measurement of static water level in groundwater monitoring wells MW-A through MW-G using a static water level meter;
- Collection of groundwater samples from monitoring wells MW-A through MW-G using low flow purge and sample techniques;
- Collection (using low flow purge and sample techniques) and subsequent field filtration (i.e., using a dedicated 0.45-micron filter) of an additional groundwater sample from monitoring well MW-E, to evaluate if elevated concentrations of select metals detected in the groundwater sample collected from this location during the previous annual sample event was due to suspended solids in the sample;
- A cover inspection that included photographing representative portions of the site cover and summarizing conditions on the Site-Wide Cover Inspection Form, to document current conditions; and
- Submittal of groundwater samples to Alpha Analytical Laboratory (Alpha) in Westborough, MA for testing. [Note: Due to a backlog of samples and in order to complete the sample analysis within the method holding time, Alpha utilized the sub-contracted services of Phoenix Environmental Laboratories in Manchester CT (Phoenix) to analyze the groundwater samples collected on June 29, 2021. Phoenix is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified analytical laboratory.]
- Validation of the groundwater test results reported by Phoenix, and preparation of Data Usability Summary Report (DUSR), by Vali-Data of WNY, LLC.

The approximate locations of the groundwater monitoring wells that were assessed and sampled on June 29, 2021 are depicted on Figure 2. A summary of the groundwater elevations for June 29, 2021, calculated from the static groundwater levels measured on that date, are presented on Table 1. [Note: Table 1 also summarizes the construction details and the sampling program for the groundwater monitoring wells that comprise the long-term monitoring network required by the SMP.] The groundwater elevations calculated for June 29, 2021 were used to prepare the potentiometric groundwater contours that are depicted on Figure 2. The groundwater sampling activities are documented on the groundwater sampling logs included in Attachment A.

A copy of the June 29, 2021 Site-Wide Cover Inspection Form and copies of select photographs are included in Attachment B.

Analytical Laboratory Test Results

The groundwater samples collected on June 29, 2021 were tested by Phoenix for target analyte list (TAL) metals using USEPA Methods 6020B and 7040A.

A copy of the analytical laboratory report prepared by Phoenix and executed chain-of-custody documentation are included in Attachment C. A copy of the DUSR prepared by Vali-Data of WNY, LLC is also included in Attachment C. The constituents detected in the samples submitted for analytical laboratory testing as part of this groundwater monitoring event are summarized on Table 2 *Summary of TAL Metals: Groundwater Samples*. The TAL metals detected in the groundwater samples collected from the Site during the previous groundwater monitoring events are also summarized on Table 2. The results of the data validation have been incorporated into Table 2.

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Table 2 includes applicable Class GA (i.e., potable drinking water from a groundwater source) standards or guidance values for the detected parameters as presented in NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 document titled, Ambient Water Quality Standards and Guidance Effluent Limitations dated June 1998 as amended April 2000 (TOGS 1.1.1).

Conclusions and Recommendations

The annual inspection of the cover system revealed that, except for some minor cracking/separation of the asphalt in the Employee Parking Lot (i.e., evidenced by vegetative growth within the cracks) the cover was fully in-place and in good condition. The vegetative growth over the soil cover areas appears to be of greater density than when it was observed during the previous annual inspection (i.e., completed on June 25, 2020).

With the exception of calcium and sodium, the concentrations of each metal detected in the unfiltered groundwater sample collected using low-flow sampling methodologies on June 29, 2021 from MW-E were significantly lower than the concentration measured in the sample collected from MW-E on June 25, 2020. [Note: The filtered low-flow groundwater sample collected from monitoring well MW-E contained metal concentrations comparable to those detected in the unfiltered low-flow sample. These results suggest that the low-flow sample collected on June 29, 2021 is representative of dissolved constituents within the groundwater, and that the sample collected on June 25, 2020 may have been biased high due to the presence of suspended solids with the sample.] The concentrations of metals detected in the groundwater samples collected on June 29, 2021 from the other monitoring wells at the Site (i.e., MW-A through MW-D, MW-F and MW-G) were comparable to the concentrations from the samples collected on June 25, 2020 and during previous sampling events.

It is recommended that the vegetation be removed from the asphalt in the Employee Parking Lot and that the cracks in the asphalt be sealed to prevent further degradation to the asphalt cover. The repair activities completed and the results of the groundwater monitoring described herein should be included in the next Periodic Review Report for the Site, which is due May 11, 2022.

If there are questions regarding this submittal, please contact this office.

Very truly,
Day Environmental, Inc.



Charles Hampton
Project Geologist



Raymond L. Kampff
Principal

Enclosure

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Figures:

Figure 1 – Project Locus Map

Figure 2 – Site Plan and Potentiometric Groundwater Contour Map measured on June 29, 2021

Tables:

Table 1 – Summary of Monitoring Well Location Details, Construction, Groundwater Elevations and Analytical Parameters for Long Term Monitoring

Table 2 – Summary of TAL Metals: Groundwater Samples

Attachments:

Attachment A – Groundwater Sampling Logs for June 29, 2021

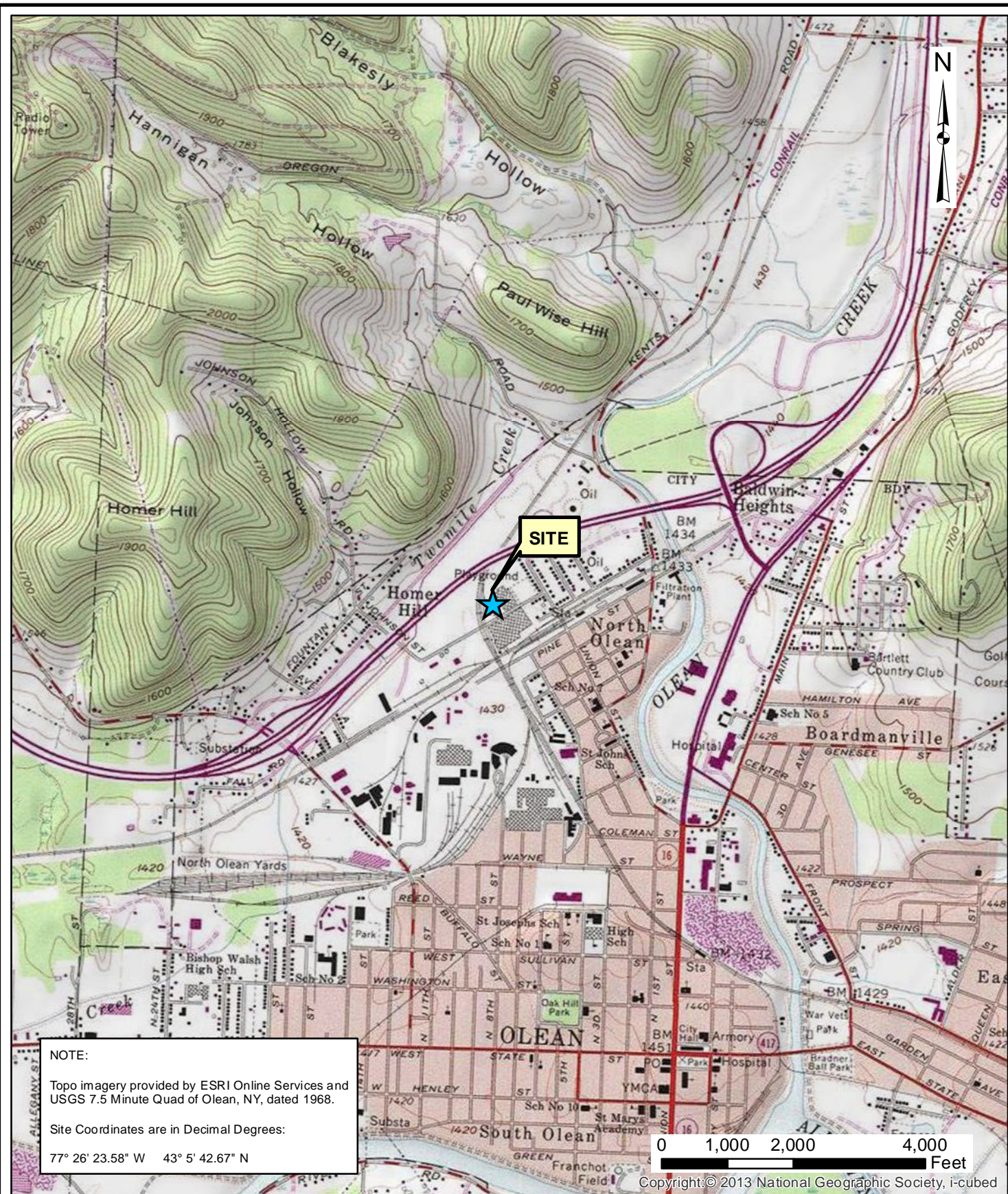
Attachment B – Site-Wide Cover Inspection Form and Photographs

Attachment C – Analytical Laboratory Report, Chain-of Custody Documentation and DUSR

cc:

Megan Kuczka (NYSDEC)

FIGURES



NOTE:

Topo imagery provided by ESRI Online Services and USGS 7.5 Minute Quad of Olean, NY, dated 1968.

Site Coordinates are in Decimal Degrees:

77° 26' 23.58" W 43° 5' 42.67" N

0 1,000 2,000 4,000
Feet

Copyright:© 2013 National Geographic Society, i-cubed

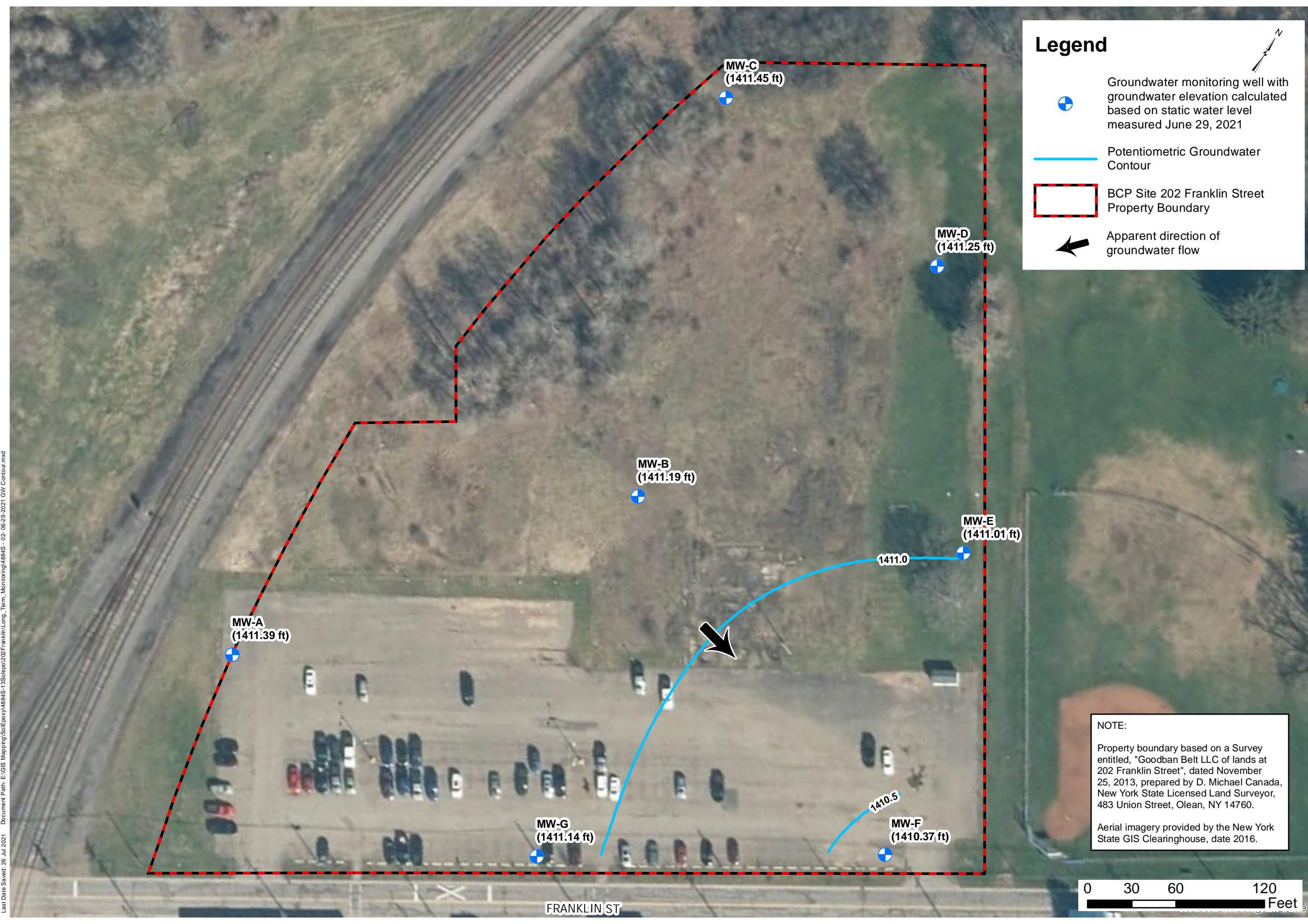
Date	07/15/2019
Drawn By	CAH
Scale	AS NOTED

day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

Project Title	202 FRANKLIN STREET OLEAN, NEW YORK
	BCP SITE NO. C905043
Drawing Title	Site Location Map

Project No.	4884S-13
	FIGURE 1

Last Date Saved: 26 Jul 2021 Document Path: E:\GIS Mapping\Site\4884S-13\Site\202FranklinLong_Term_Monitoring\4884S - 02 - 06-29-2021 GW Contour.mxd



Legend

- Groundwater monitoring well with groundwater elevation calculated based on static water level measured June 29, 2021
- Potentiometric Groundwater Contour
- BCP Site 202 Franklin Street Property Boundary
- Apparent direction of groundwater flow

NOTE:
 Property boundary based on a Survey entitled, "Goodban Belt LLC of lands at 202 Franklin Street", dated November 25, 2013, prepared by D. Michael Canada, New York State Licensed Land Surveyor, 483 Union Street, Olean, NY 14760.

 Aerial imagery provided by the New York State GIS Clearinghouse, date 2016.

DESIGNED BY	DATE
CAH	07-2021
DRAWN BY	DATE DRAWN
CAH/CPS	07-2021
SCALE	DATE ISSUED
AS NOTED	07-23-2021

day ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

Project Title	202 FRANKLIN STREET OLEAN, NEW YORK
Project No.	4884S-13
Drawing Title	Groundwater Contour Map: June 29, 2021
BCP SITE NO.	C905043

FIGURE 2

TABLES

**TABLE 1
202 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905043**

**SUMMARY OF MONITORING WELL LOCATION DETAILS, CONSTRUCTION, GROUNDWATER ELEVATIONS
AND ANALYTICAL PARAMETERS FOR LONGTERM MONITORING**

Monitoring Well ID Sample Locations	Well Location	UTM NAD83 Coordinates (feet) (northing/ easting)	Well Diameter (inches)	Elevation (feet above mean sea level)								Analytical Parameters to be Analyzed Year 2
				Casing	Surface	Screen Top	Screen Bottom	Groundwater				
								7/10/2014	11/5/2014	6/25/2020	6/29/2021	
MW-A	On-site perimeter (up-gradient)	763496.8 1186801.0	1	1427.70	1428.04	1411.80	1401.80	1412.66	1410.17	1411.95	1411.39	TAL Metals
MW-B	On-site	763736.2 1186986.0	2	1429.95	1427.72*	1412.45	1402.45	1412.44	1410.02	1411.72	1411.19	TAL Metals
MW-C	On-site perimeter (up-gradient)	763995.0 1186888.3	2	1429.34	1426.69*	1417.34	1407.34	1412.71	1410.27	1411.93	1411.45	TAL Metals
MW-D	On-site	763978.7 1187071.6	2	1428.08	1426.12*	1412.08	1402.08	1412.52	1410.09	1411.76	1411.25	TAL Metals
MW-E	On-site perimeter (down-	763824.9 1187192.4	2	1427.40	1427.81*	1409.40	1399.40	1412.59	1409.90	1411.47	1411.01	TAL Metals
MW-F	On-site perimeter (down-	763624.6 1187259.2	2	1428.53	1428.92	1411.03	1401.03	1411.78	1409.31	1410.85	1410.37	TAL Metals
MW-G	On-site perimeter (down-	763493.8 1187059.7	2	1429.26	1429.66	1411.76	1401.76	1412.39	1410.05	1411.65	1411.14	TAL Metals

Notes:

* - Surface elevation prior to the placement of the minimum 1 foot tick soil cover over the portion of the Site on which this monitoring well is located.

TABLE 2
202 FRANKLIN STREET
OLEAN, NEW YORK
BCP SITE NO. C905043

SUMMARY OF TAL METALS IN GROUNDWATER SAMPLES
REPORTED IN MICROGRAMS PER LITER OR PARTS PER BILLION

Detected Constituent	CAS Number	Groundwater Standard or Guidance Value ⁽¹⁾	MW-A				MW-B				MW-C				MW-D					
			6/27/2014	11/5/2014	6/25/2020	6/29/2021	6/27/2014	11/5/2014	6/25/2020	6/29/2021	6/27/2014	11/5/2014	6/25/2020	6/29/2021	6/27/2014	11/5/2014	7/11/2017 FILTERED*	7/11/2017	6/25/2020	6/29/2021
Aluminum	7429-90-5	NA	U	U	U (10)	U (40)	U	U	U (10)	U (40)	82.6 b	U	U (10)	U (40)	3040	U	NT	NT	U (10)	U (40)
Antimony	7440-36-0	3	U	U	U (0.42)	U (0.2)	U	U	U (0.42)	U (0.2)	9.5 b	U	U (0.42)	U (0.2)	U	U	NT	NT	U (0.42)	U (0.2)
Arsenic	7440-38-2	25	U	U	0.7	U (0.2)	4.6 b	U	0.65	U (0.2)	U	U	5.61	6	31.5	63.4	45.3	52.4	52.73	49.4
Barium	7440-39-3	1,000	216	204	120.4 JH	180 JH	191 b	290	1,101 JH	784 JH	80.6 b	101 b	7.35 JH	10 JH	1,530	2,490	2,370	2,580	2,444 JH	2,190 JH
Beryllium	7440-41-7	3	U	U	U (0.1)	U (0.2)	U	U	U (0.1)	U (0.2)	U	U	U (0.1)	U (0.2)	U	U	NT	NT	U (0.1)	U (0.2)
Cadmium	7440-43-9	5	U	U	U (0.2)	U (0.2)	U	U	U (0.05)	U (0.2)	U	U	U (0.05)	U (0.2)	U	U	NT	NT	U (0.05)	U (0.2)
Calcium	7440-70-2	NA	81,800	103,000	73,600 JH	101,000 JH	139,000	149,000	124,000 JH	131,000 JH	204,000	222,000	82,400 JH	102,000 JH	139,000	141,000	NT	NT	131,000 JH	128,000 JH
Chromium	7440-47-3	50	U	U	U (1)	U (0.2)	U	U	U (0.17)	U (4)	U	U	U (0.17)	U (4)	3.7 b	U	NT	NT	U (0.17)	U (4)
Cobalt	7440-48-4	NA	U	U	0.5	U (0.2)	U	1.6 b	U (0.16)	0.2 J	5.1 b	3.9 b	U (0.16)	0.3 J	4.1 b	U	NT	NT	0.2 J	0.4 J
Copper	7440-50-8	200	U	U	1.14	U (1)	U	U	1.13	1.4 JH	4.5 b	4.2 b	1.3	2.4 JH	16.8 b	U	NT	NT	0.96 J	1.6 JH
Iron	7439-89-6	300	13,200	11,800	U	16,500 JH	64.3 b	2,460	U	2,870 JH	1,630	3,450	U	300 JH	11,700	12,600	NT	NT	U	14,900 JH
Lead	7439-92-1	25	U	U	U (0.34)	U (0.2)	U	U	U (0.34)	U (0.2)	5.6	U	U (0.34)	U (0.2)	8.9 b	U	NT	NT	U (0.34)	U (0.2)
Magnesium	7439-95-4	35,000	4,460	5,260	3,120 JH	4,280 JH	21,700	23,400	19,900 JH	19,000 JH	18,700	23,100	8,830 JH	9,010 JH	26,000	26,000	NT	NT	24,400 JH	21,000 JH
Manganese	7439-96-5	300	673	909	1,092 JH	965 JH	1,580	2,330	1,374 JH	1,570 JH	2,320	2,500	44.45 JH	228 JH	3,650	2,740	NT	NT	1,955 JH	1,720 JH
Mercury	7439-97-6	0.7	U	U	U (0.09)	U (0.15)	U	U	U (0.09)	U (0.15)	U	U	U (0.09)	U (0.15)	U	U	NT	NT	U (0.09)	U (0.15)
Nickel	7440-02-0	100	U	U	U (2)	2.1	5.2 b	3.4 b	U (0.55)	3.2	10.2	6.4 b	U (2)	5.8	9.5 b	1.1 b	NT	NT	U (2)	3.2
Potassium	9/77440	NA	5,330	5,020 E,J	4,140 JH	4,950	3,880	4,200	3,850 JH	3,530	6,320	6,330 E	4,730 JH	4,380	4,490	4,260 E	NT	NT	3,850 JH	3,470
Selenium	7782-49-2	10	14.9 b	U	U (1.73)	U (0.2)	U	U	U (1.73)	U (0.2)	35.2	U	28.8	14 JH	12.3 b	U	NT	NT	U (1.73)	U (0.2)
Silver	7440-22-4	50	U	U	U (0.16)	U (0.2)	U	U	U (0.16)	U (0.2)	U	U	U (0.16)	U (0.2)	U	U	NT	NT	U (0.16)	U (0.2)
Sodium	7440-23-5	20,000	59,800	34,500	20,600 JH	45,400	74,900	100,000	90,200 JH	61,300 J	65,200	105,000	14,100 JH	12,400	142,000	153,000	NT	NT	179,000 JH	139,000 JH
Thallium	7440-28-0	0.5	U	U	U (0.14)	U (0.2)	U	U	U (0.14)	U (0.2)	U	U	U (1)	U (0.2)	U	U	NT	NT	U (0.14)	U (0.2)
Vanadium	7440-62-2	NA	U	U	U (1.57)	U (0.2)	U	1.2 b	U (1.57)	U (0.2)	U	U	U (1.57)	4.2 JH	4.8 b	U	NT	NT	U (1.57)	U (0.2)
Zinc	7440-66-6	2,000	U	U	U (10)	12 JH	U	U	U (3.41)	U (2)	22.5 b	U	U (10)	7 JH	54.1	U	NT	NT	U (10)	2 JH

Detected Constituent	CAS Number	Groundwater Standard or Guidance Value ⁽¹⁾	MW-E					MW-F				MW-G			
			6/27/2014	11/5/2014	6/25/2020	6/29/2021	6/29/2021 FILTERED*	6/27/2014	11/5/2014	6/25/2020	6/29/2021	6/27/2014	11/5/2014	6/25/2020	6/29/2021
Aluminum	7429-90-5	NA	U	U	36,500 JH	45 JH	3.5 JH	U	U	U (10) J	U (40)	175 b	U	U (10)	U (40)
Antimony	7440-36-0	3	U	U	U (0.42)	U (0.2)	U (0.2)	U	U	0.68 J	U (0.2)	U	U	0.45 J	U (0.2)
Arsenic	7440-38-2	25	U	U	39.32	3.9	U (0.2)	5 b	U	0.58	U (0.2)	9 b	U	2.07	U (0.2)
Barium	7440-39-3	1,000	103 b	222	2,528 JH	1,830 JH	1,830 JH	282	330	246.7 JH	391 JH	955	786	1,043 JH	1,440 JH
Beryllium	7440-41-7	3	U	U	2.19	U (0.2)	U (0.2)	U	U	U (0.1)	U (0.2)	U	U	U (0.1)	U (0.2)
Cadmium	7440-43-9	5	U	U	0.57 JH	U (0.2)	U (0.2)	U	U	U (0.2)	U (0.2)	U	U	U (0.05)	U (0.2)
Calcium	7440-70-2	NA	123,000	154,000	141,000 JH	143,000 JH	153,000 JH	149,000	119,000	109,000 JH	122,000 JH	178,000	145,000	175,000 JH	231,000 JH
Chromium	7440-47-3	50	0.77 b	U	40.66 JH	U (4)	3.4 J	U	U	U (0.17)	2 J	U	U	U (0.17)	U (0.2)
Cobalt	7440-48-4	NA	U	U	57.24	0.8 J	0.7 J	U	U	0.49 J	0.6 J	U	U	U (0.16)	0.3 J
Copper	7440-50-8	200	U	U	99.66	3.2 JH	U (11)	U	U	1.07	1.3 JH	U	U	0.93 J	2.3 JH
Iron	7439-89-6	300	179 b	96.3 b	101,000 JH	2,160 JH	410 JH	U	44.8 b	U	30	6,130	4,850	U	7,140 JH
Lead	7439-92-1	25	U	U	154.4 JH	4.3	U (0.2)	U	U	U (0.34)	U (0.2)	U	U	U (0.34)	U (0.2)
Magnesium	7439-95-4	35,000	15,900	24,300	41,000 JH	25,500 JH	26,000	21,900	17,600	16,000 JH	17,400 JH	19,600	15,800	13,900 JH	19,600 JH
Manganese	7439-96-5	300	23.6 b	444	7,993 JH	3,660 JH	3,500 JH	183	544	1,455 JH	1,010 JH	2,140	1,850	1,182 JH	2,120 JH
Mercury	7439-97-6	0.7	U	U	0.3	U (0.15)	U (0.15)	U	U	U (0.09)	U (0.15)	U	U	U (0.09)	U (0.15)
Nickel	7440-02-0	100	0.85	1.9 b	95.13 JH	10.2	10.6	U	0.87 b	U (2)	5.1	U	U	U (0.55)	4.9
Potassium	9/77440	NA	3,230	4,210 E	6,310 JH	3,440	3,480	4,100	4,270 E	3,590 JH	3,580	3,290	3,560 E	5,510 JH	5,290
Selenium	7782-49-2	10	U	U	20.6	U (0.2)	U (0.2)	U	U	U (1.73)	0.2 J	U	U	U (1.73)	U (0.2)
Silver	7440-22-4	50	U	U	U (0.16)	U (0.2)	U (0.2)	U	U	U (0.16)	U (0.2)	U	U	U (0.16)	U (0.2)
Sodium	7440-23-5	20,000	74,800	128,000	165,000 JH	227,000 JH	242,000 JH	102,000	75,900	79,200 JH	56,400 J	70,800	55,000	50,900 JH	65,800 J
Thallium	7440-28-0	0.5	U	7.6 b	U (1)	U (0.2)	U (0.2)	U	U	U (1)	U (0.2)	U	U	U (1)	U (0.2)
Vanadium	7440-62-2	NA	U	U	31.8	U (0.2)	U (0.2)	U	U	U (1.57)	U (0.2)	U	U	U (1.57)	U (0.2)
Zinc	7440-66-6	2,000	5.9 b	U	432.6 JH	8 JH	U (9)	U	U	U (10)	U (4)	U	U	U (10)	U (2)

Notes

Results of data validation have been incorporated

Groundwater test results, Groundwater Standards and Guidance Values are presented in micrograms per liter (µg/L) or parts per billion (ppb).
Groundwater Standards or Guidance Values as referenced in New York State Department of Environmental Conservation (NYSDEC) Technical and Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

U = The analyte was analyzed for, but was not detected above the associated reported quantitation limit (in parenthesis). Refer to the analytical laboratory reports for the associated reported quantitation limits of samples collected prior to June 25, 2020.

J = Estimated Concentration.

J- = The analyte was positively identified; however, the associated numerical value is an estimated quantity that may be biased low.

JH = The analyte was positively identified; however, the associated numerical value is an estimated quantity that may be biased high.

E = an estimated concentration due to the presence of interferences

b = indicates a concentration below the reporting limit and equal to or above the detection limit

NA = Not Available

NT = Not Tested

* - A 0.45 micron filter was installed on the discharge end of the pump tubing to collect a 'soluble' sample.

59,800 = Concentration exceeds the respective Groundwater Standard or Guidance Value

ATTACHMENT A

GROUNDWATER SAMPLING LOGS

DAY ENVIRONMENTAL, INC.
LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG
WELL MW-A

SECTION 1 - SITE AND WELL INFORMATION			
SITE LOCATION	202 Franklin Street, Olean, New York	JOB #	4884S-13
PROJECT NAME:	NYSDEC BCP Site C905043	DATE:	June 29, 2021
SAMPLE COLLECTOR(S):	CAH/CMC	WEATHER:	Partly Cloudy, ~90° F
PID READING IN WELL HEADSPACE (PPM):	NM	MEASURING POINT (for water levels):	Top of Casing
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	1
SCREENED INTERVAL [FT BTOC]:	15.56 - 25.56	INITIAL WATER LEVEL (SWL) [FT]:	SWL / Date Measured 16.31 / 6-29-21
WELL DEPTH [FT BTOC]:	25.56	DEPTH OF PUMP INTAKE [FT BTOC]:	20.9
<small>(Do NOT Measure Well depth Prior To Purging And Sampling)</small>			
LNAPL:	ND	DNAPL:	NM
OTHER OBSERVATIONS: None			

SECTION 2 – SAMPLING EQUIPMENT	
PUMP TYPE:	Geotech Geopump™ - Peristaltic pump
WATER LEVEL METER:	Heron OWI
WATER QUALITY METER(S):	YSI Pro DDS
STABILIZED PUMP RATE (ml/min):	100
STABILIZED DRAWDOWN WATER LEVEL [FT]:	16.32

SECTION 3 – WATER QUALITY DATA MONITORING									
Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (ml)
15:17	NM								0
15:24	100	16.32	0.93	-179.5	4.00	0.811	6.92	17.6	700
15:27	100	16.32	0.65	-163.5	6.41	0.809	6.75	17.5	1,000
15:30	100	16.32	0.58	-161.4	4.50	0.809	6.71	17.6	1,300
15:33	100	16.32	0.53	-160.4	4.36	0.808	6.71	17.1	1,600
15:36	100	16.32	0.51	-160.7	4.22	0.808	6.66	17.1	1,900
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SAMPLE OBSERVATIONS: Clear, slight petroleum-type odor.									

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-A/20210629	6-29-21 / 15:37	Peristaltic Pump	TAL Metals

NM = Not Measured
 ND = Not Detected

DAY ENVIRONMENTAL, INC.
LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG
WELL MW-B

SECTION 1 - SITE AND WELL INFORMATION			
SITE LOCATION	202 Franklin Street, Olean, New York	JOB #	4884S-13
PROJECT NAME:	NYSDEC BCP Site C905043	DATE:	June 29, 2021
SAMPLE COLLECTOR(S):	CAH/CMC	WEATHER:	Clear, ~85° F
PID READING IN WELL HEADSPACE (PPM):	NM	MEASURING POINT (for water levels):	Top of Casing
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	2
SCREENED INTERVAL [FT BTOC]:	19.73 - 29.73	INITIAL WATER LEVEL (SWL) [FT]:	SWL / Date Measured 18.76 / 6-29-21
WELL DEPTH [FT BTOC]:	29.73 (Do NOT Measure Well depth Prior To Purging And Sampling)	DEPTH OF PUMP INTAKE [FT BTOC]:	24.2
LNAPL:	ND	DNAPL:	NM
OTHER OBSERVATIONS: Iron bacteria in purge water			

SECTION 2 – SAMPLING EQUIPMENT	
PUMP TYPE:	Geotech Geopump™ - Peristaltic pump
WATER LEVEL METER:	Heron OWI
WATER QUALITY METER(S):	YSI Pro DDS
STABILIZED PUMP RATE (ml/min):	100
STABILIZED DRAWDOWN WATER LEVEL [FT]:	18.78

SECTION 3 – WATER QUALITY DATA MONITORING									
Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (ml)
14:23					NM				0
14:30	100	18.78	NM	-100.8	29.20	1.080	7.11	16.8	700
14:33	100	18.78	0.64	-129.2	112.37	1.088	7.06	16.6	1,000
14:36	100	18.78	0.58	-133.6	129.03	1.094	7.04	16.2	1,300
14:39	100	18.78	0.53	-139.3	153.45	1.098	7.00	16.2	1,600
14:42	100	18.78	0.49	-149.4	198.70	1.100	6.97	16.4	1,900
14:45	100	18.78	0.47	-148.8	55.75	1.096	6.96	16.4	2,200
14:48	100	18.78	0.47	-152.2	64.63	1.095	6.96	16.2	2,500
14:51	100	18.78	0.46	-155.6	110.72	1.099	6.95	15.8	2,800
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SAMPLE OBSERVATIONS: Iron bacteria globules in sample									

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-B/20210629	6-29-21 / 14:55	Peristaltic Pump	TAL Metals

NM = Not Measured
 ND = Not Detected

DAY ENVIRONMENTAL, INC.
LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG
WELL MW-C

SECTION 1 - SITE AND WELL INFORMATION			
SITE LOCATION	202 Franklin Street, Olean, New York	JOB #	4884S-13
PROJECT NAME:	NYSDEC BCP Site C905043	DATE:	June 29, 2021
SAMPLE COLLECTOR(S):	CAH/CC	WEATHER:	Clear, ~85° F
PID READING IN WELL HEADSPACE (PPM):	NM	MEASURING POINT (for water levels):	Top of Casing
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	2
SCREENED INTERVAL [FT BTOC]:	14.65 - 24.65	INITIAL WATER LEVEL (SWL) [FT]:	SWL / Date Measured 17.89 / 6-29-21
WELL DEPTH [FT BTOC]:	24.65	DEPTH OF PUMP INTAKE [FT BTOC]:	21.2
(Do NOT Measure Well depth Prior To Purging And Sampling)			
LNAPL:	ND	DNAPL:	NM
OTHER OBSERVATIONS: None			

SECTION 2 – SAMPLING EQUIPMENT	
PUMP TYPE:	Geotech Geopump™ - Peristaltic pump
WATER LEVEL METER:	Heron OWI
WATER QUALITY METER(S):	YSI Pro DDS
STABILIZED PUMP RATE (ml/min):	100
STABILIZED DRAWDOWN WATER LEVEL [FT]:	17.92

SECTION 3 – WATER QUALITY DATA MONITORING									
Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (ml)
13:35					NM				0
13:44	100	17.89	1.07	-66.8	3.67	0.611	6.27	14.7	900
13:47	100	17.89	0.79	-48.1	6.03	0.606	6.15	14.0	1,200
13:50	100	17.89	0.56	-37.8	24.70	0.607	6.06	14.2	1,500
13:53	100	17.92	0.52	-38.0	37.60	0.606	6.05	14.2	1,800
13:56	100	17.92	0.52	-38.1	133.51	0.607	6.03	14.0	2,100
13:59	100	17.92	0.52	-38.3	49.17	0.604	6.02	13.9	2,400
14:02	100	17.92	0.49	-38.5	5.80	0.607	6.00	13.9	2,700
14:05	100	17.92	0.49	-40.1	4.51	0.607	6.01	14.2	3,000
14:08	100	17.92	0.48	-42.5	6.46	0.607	6.01	14.2	3,300
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SAMPLE OBSERVATIONS: Clear									

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-C/20210629	6-29-21 / 14:09	Peristaltic Pump	TAL Metals

NM = Not Measured
 ND = Not Detected

DAY ENVIRONMENTAL, INC.
LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG
WELL MW-D

SECTION 1 - SITE AND WELL INFORMATION			
SITE LOCATION	202 Franklin Street, Olean, New York	JOB #	4884S-13
PROJECT NAME:	NYSDEC BCP Site C905043	DATE:	June 29, 2021
SAMPLE COLLECTOR(S):	CAH/CMC	WEATHER:	Clear, ~85° F
PID READING IN WELL HEADSPACE (PPM):	NM	MEASURING POINT (for water levels):	Top of Casing
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	2
SCREENED INTERVAL [FT BTOC]:	17.96 - 27.96	INITIAL WATER LEVEL (SWL) [FT BTOC]:	SWL / Date Measured 16.83 / 6/29/21
WELL DEPTH [FT BTOC]:	27.96	DEPTH OF PUMP INTAKE [FT BTOC]:	22.4
(Do NOT Measure Well depth Prior To Purging And Sampling)			
LNAPL:	ND	DNAPL:	NM
			OTHER OBSERVATIONS: Iron bacteria observed

SECTION 2 – SAMPLING EQUIPMENT	
PUMP TYPE: Geotech Geopump™ - Peristaltic pump	WATER LEVEL METER: Heron OWI
WATER QUALITY METER(S): YSI Pro DDS	
STABILIZED PUMP RATE (ml/min): 110	STABILIZED DRAWDOWN WATER LEVEL [FT]: 16.83

SECTION 3 – WATER QUALITY DATA MONITORING									
Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (ml)
12:55									0
13:04	110	16.83	1.52	-202.7	2.20	1.546	7.14	15.3	990
13:07	110	16.83	0.82	-184.9	1.00	1.533	7.01	15.1	1,320
13:10	110	16.83	0.70	-183.9	1.24	1.534	6.96	14.7	1,650
13:13	110	16.83	0.57	-182.4	1.20	1.527	6.93	14.8	1,980
13:16	110	16.83	0.55	-182.5	1.52	1.527	6.93	15.2	2,310
13:19	110	16.83	0.51	-184.1	1.99	1.529	6.93	14.8	2,640
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SAMPLE OBSERVATIONS: Clear									

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-D/20210629	6-29-21 / 13,20	Peristaltic Pump	TAL Metals

NM = Not Measured
 ND = Not Detected

DAY ENVIRONMENTAL, INC.
LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG
WELL MW-E

SECTION 1 - SITE AND WELL INFORMATION			
SITE LOCATION	202 Franklin Street, Olean, New York	JOB #	4884S-13
PROJECT NAME:	NYSDEC BCP Site C905043	DATE:	June 29, 2021
SAMPLE COLLECTOR(S):	CAH/CC	WEATHER:	Clear, ~80° F
PID READING IN WELL HEADSPACE (PPM):	NM	MEASURING POINT (for water levels):	Top of Casing
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	2
SCREENED INTERVAL [FT BTOC]:	17.59 - 27.59	INITIAL WATER LEVEL (SWL) [FT BTOC]:	SWL / Date Measured 16.39 / 6/29/21
WELL DEPTH [FT BTOC]:	27.59 (Do NOT Measure Well depth Prior To Purging And Sampling)	DEPTH OF PUMP INTAKE [FT BTOC]:	21.9
LNAPL:	ND	DNAPL:	NM
		OTHER OBSERVATIONS:	Iron bacteria in purge water

SECTION 2 – SAMPLING EQUIPMENT	
PUMP TYPE:	Geotech Geopump™ - Peristaltic pump
WATER LEVEL METER:	Heron OWI
WATER QUALITY METER(S):	YSI Pro DDS
STABILIZED PUMP RATE (ml/min):	100
STABILIZED DRAWDOWN WATER LEVEL [FT]:	16.39

SECTION 3 – WATER QUALITY DATA MONITORING									
Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (ml)
11:36									0
11:44	100	16.39	1.06	-50.7	9.40	2.109	7.01	14.7	800
11:47	100	16.39	0.85	-63.2	10.25	2.102	6.92	14.4	1,100
11:50	100	16.39	0.65	-69.8	7.46	2.090	6.85	14.7	1,400
11:53	100	16.39	0.60	-66.0	7.24	2.084	6.84	15.0	1,700
11:56	100	16.39	0.58	-69.2	6.29	2.092	6.82	14.9	2,000
11:59	100	16.39	0.56	-71.4	7.94	2.092	6.82	14.6	2,300
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SAMPLE OBSERVATIONS:									

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-E/20210629	6-29-21 / 12:01	Peristaltic Pump	TAL Metals
MW-E/Filter/20210629	6-29-21 / 12:18	Peristaltic Pump/0.45 micron filter	TAL Metals

NM = Not Measured
 ND = Not Detected

DAY ENVIRONMENTAL, INC.
LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG
WELL MW-F

SECTION 1 - SITE AND WELL INFORMATION			
SITE LOCATION	202 Franklin Street, Olean, New York	JOB #	4884S-13
PROJECT NAME:	NYSDEC BCP Site C905043	DATE:	June 29, 2021
SAMPLE COLLECTOR(S):	CAH/CMC	WEATHER:	Clear, ~80° F
PID READING IN WELL HEADSPACE (PPM):	NM	MEASURING POINT (for water levels):	Top of Casing
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	2
SCREENED INTERVAL [FT BTOC]:	17.11 - 27.11	INITIAL WATER LEVEL (SWL) [FT BTOC]:	SWL / Date Measured 18.16 / 6-29-21
WELL DEPTH [FT BTOC]:	27.11 (Do NOT Measure Well depth Prior To Purging And Sampling)	DEPTH OF PUMP INTAKE [FT BTOC]:	22.5
LNAPL:	ND	DNAPL:	NM
OTHER OBSERVATIONS: None			

SECTION 2 – SAMPLING EQUIPMENT	
PUMP TYPE:	Geotech Geopump™ - Peristaltic pump
WATER LEVEL METER:	Heron OWI
WATER QUALITY METER(S):	YSI Pro DDS
STABILIZED PUMP RATE (ml/min):	100
STABILIZED DRAWDOWN WATER LEVEL [FT]:	18.16

SECTION 3 – WATER QUALITY DATA MONITORING									
Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (ml)
10:30					NM				0
10:36	100	18.16	1.37	-106.0	0.45	1.018	6.84	17.1	600
10:39	100	18.16	0.71	-76.3	0.63	1.016	6.62	16.9	900
10:42	100	18.16	0.64	-70.6	0.90	1.016	6.58	16.3	1,200
10:45	100	18.16	0.57	-68.6	2.00	1.015	6.57	16.3	1,500
10:48	100	18.16	0.55	-68.1	2.83	1.016	6.58	16.5	1,800
10:51	100	18.16	0.53	-58.8	4.01	1.017	6.62	16.6	2,100
10:54	100	18.16	0.52	-63.9	5.60	1.018	6.61	16.5	2,400
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SAMPLE OBSERVATIONS:									

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-F/20210629	6-29-21 / 10:58	Peristaltic Pump	TAL Metals

NM = Not Measured
 ND = Not Detected

DAY ENVIRONMENTAL, INC.
LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG
WELL MW-G

SECTION 1 - SITE AND WELL INFORMATION			
SITE LOCATION	202 Franklin Street, Olean, New York	JOB #	4884S-13
PROJECT NAME:	NYSDEC BCP Site C905043	DATE:	June 29, 2021
SAMPLE COLLECTOR(S):	CAH/CMC	WEATHER:	Partly Cloudy, ~90° F
PID READING IN WELL HEADSPACE (PPM):	NM	MEASURING POINT (for water levels):	Top of Casing
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	2
SCREENED INTERVAL [FT BTOC]:	17.10 - 27.10	INITIAL WATER LEVEL (SWL) [FT BTOC]:	SWL / Date Measured 18.12 / 6-29-21
WELL DEPTH [FT BTOC]:	27.10	DEPTH OF PUMP INTAKE [FT BTOC]:	22.6
(Do NOT Measure Well depth Prior To Purging And Sampling)			
LNAPL:	ND	DNAPL:	NM
		OTHER OBSERVATIONS:	Iron bacteria observed

SECTION 2 – SAMPLING EQUIPMENT	
PUMP TYPE:	Geotech Geopump™ - Peristaltic pump
WATER LEVEL METER:	Heron OWI
WATER QUALITY METER(S):	YSI Pro DDS
STABILIZED PUMP RATE (ml/min):	100
STABILIZED DRAWDOWN WATER LEVEL [FT]:	18.12

SECTION 3 – WATER QUALITY DATA MONITORING									
Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (ml)
16:22	NM								0
16:28	100	18.12	0.90	-187.4	4.93	1.664	6.89	17.2	600
16:31	100	18.12	0.60	-163.5	7.69	1.648	6.73	16.7	900
16:34	100	18.12	0.61	-162.4	16.19	1.649	6.70	16.3	1,200
16:37	100	18.12	0.55	-160.7	4.64	1.629	6.69	16.5	1,500
16:40	100	18.12	0.53	-159.9	9.75	1.630	6.68	16.6	1,800
16:43	100	18.12	0.50	-160.4	4.97	1.635	6.68	16.8	2,100
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SAMPLE OBSERVATIONS: Iron bacteria noted in sample									

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS			
SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-G/20220629	6-29-21 / 16:45	Peristaltic Pump	TAL Metals

NM = Not Measured
 ND = Not Detected

ATTACHMENT B

**SITE-WIDE COVER INSPECITON FORM
AND
PHOTOGRAPHS**

Site-Wide Inspection Form

202 Franklin Street

City of Olean, New York

NYSDEC Site Number: C905043

Date of Inspection Site Visit: June 29, 2021

Personnel Performing Inspection Site Visit: Charles Hampton

Affiliation of Personnel: Day Environmental, Inc

- 1. Check integrity of impermeable portions (e.g., concrete and asphalt) of cover system, include whether any sloughing, cracks, settlement, damage, etc.**

Discuss observations and any corrective actions:

Asphalt pavement is in good condition, however weeds/vegetation are growing through cracks/former sealant joints - recommend removing vegetation and sealing cracks to prevent degradation

- 2. Check integrity of permeable portions (e.g., soil) of cover system, include whether any sloughing, cracks, settlement, damage, etc.**

Discuss observations and any corrective actions:

1-foot soil cover is in good condition;
1-foot mulch cover is in good condition; and
drainage swale stone cover is in good condition.

- 3. Check integrity of vegetative cover (e.g., grass), include whether any dead areas, erosion, etc.**

Discuss observations and any corrective actions:

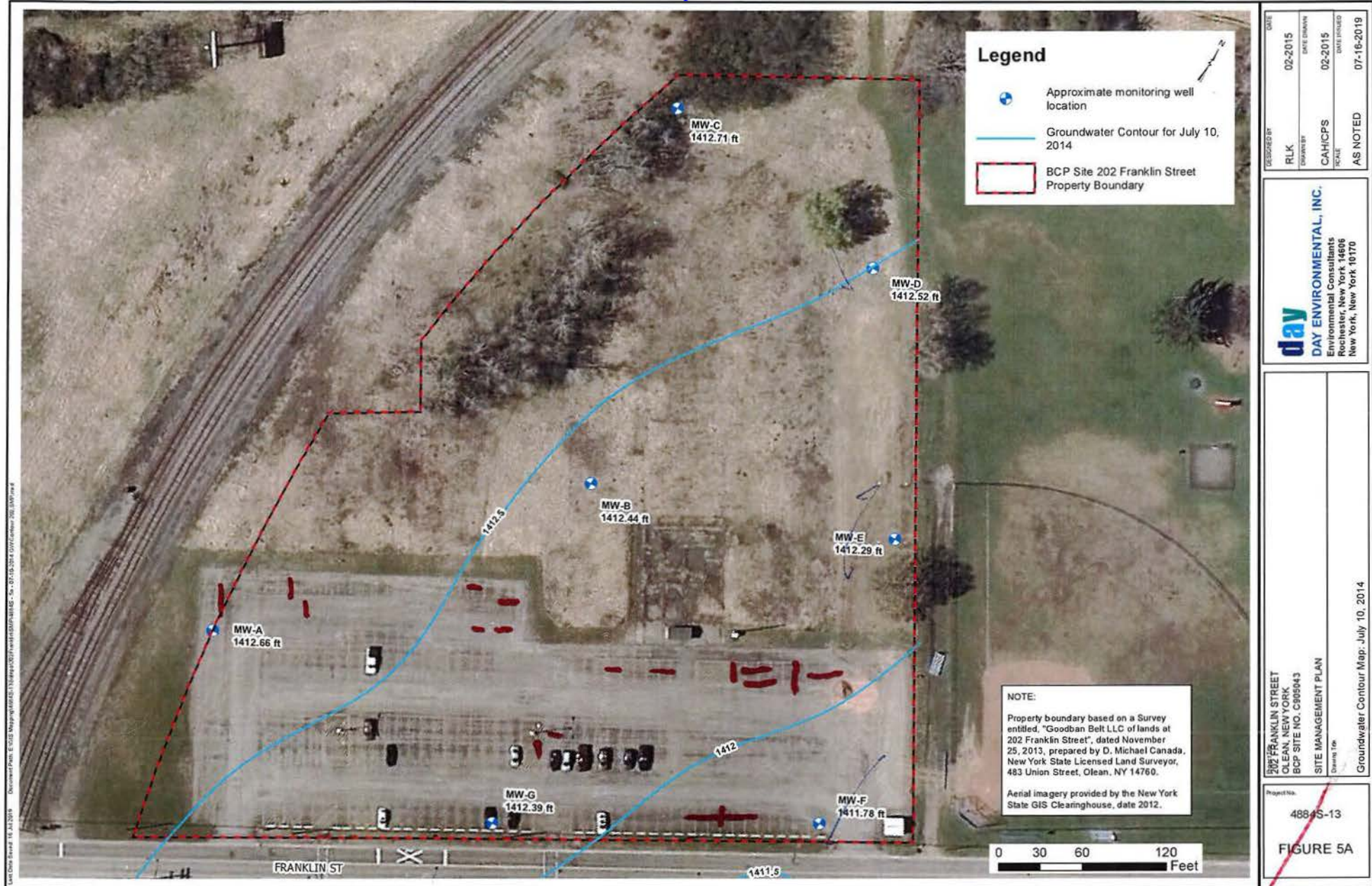
vegetative cover over 1-foot soil cover is more-densely populated than previous monitoring event; although not grass-type vegetation, the vegetation appears to have spread over the 1-foot soil cover area and appears to be holding the cover ^{evenly} in place.

Vegetative cover over the other portions of the site appears healthy,
but dry (east, west and south of the parking lot)

4. Groundwater Monitoring Well Assessment

Discuss observations and any corrective actions:

functioning - sampled MW-A through MW-G on 6/29/21



Legend

- Approximate monitoring well location
- Groundwater Contour for July 10, 2014
- BCP Site 202 Franklin Street Property Boundary

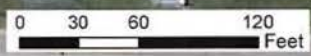
DATE	02-2015
DATE DRAWN	02-2015
DESIGNED BY	RLK
DRAWN BY	CAH/CPS
DATE ISSUED	07-16-2019
AS NOTED	AS NOTED

day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

202 FRANKLIN STREET
 OLEAN, NEW YORK
 BCP SITE NO. C800043
 SITE MANAGEMENT PLAN
 Drawing Title
 Groundwater Contour Map, July 10, 2014

Project No.
 4884S-13
FIGURE 5A

NOTE:
 Property boundary based on a Survey entitled, "Goodban Belt LLC of lands at 202 Franklin Street", dated November 25, 2013, prepared by D. Michael Canada, New York State Licensed Land Surveyor, 483 Union Street, Olean, NY 14760.
 Aerial imagery provided by the New York State GIS Clearinghouse, date 2012.



— line of vegetation growing through asphalt pavement (approximate)

User: Data Specialist 10/23/2015 Document Path: C:\GIS\MapInfo\GIS\11\MapInfo2007\workspace\BSP\BSP.dwg - dwg - 07-01-2014 09:27:00 User: 2007-10-20 10:00 AM



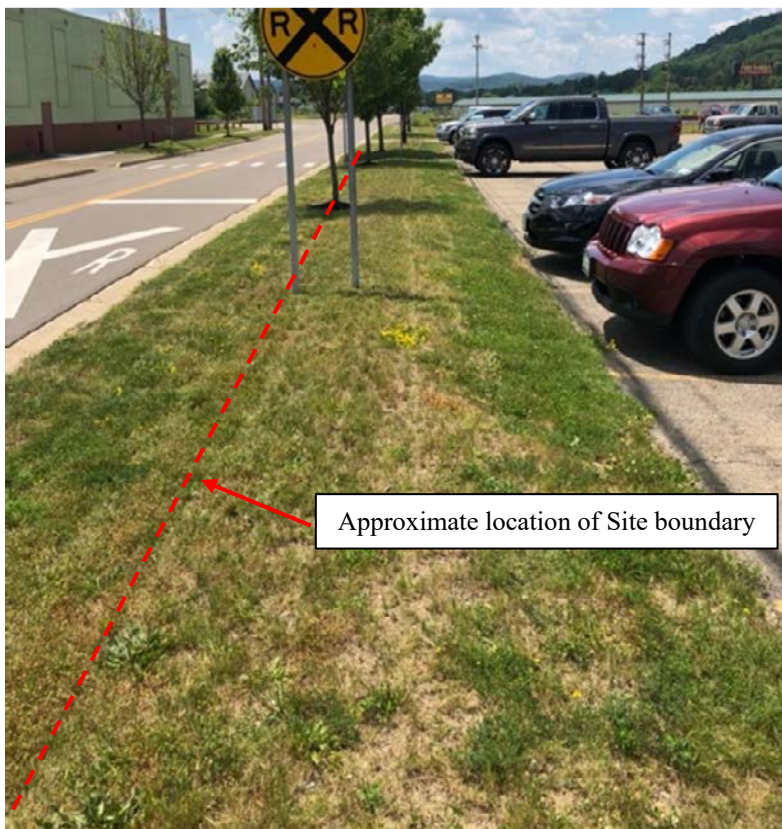
Western portion of the asphalt cover over the Employee Parking Lot, located on the southern portion of the Site, facing east.



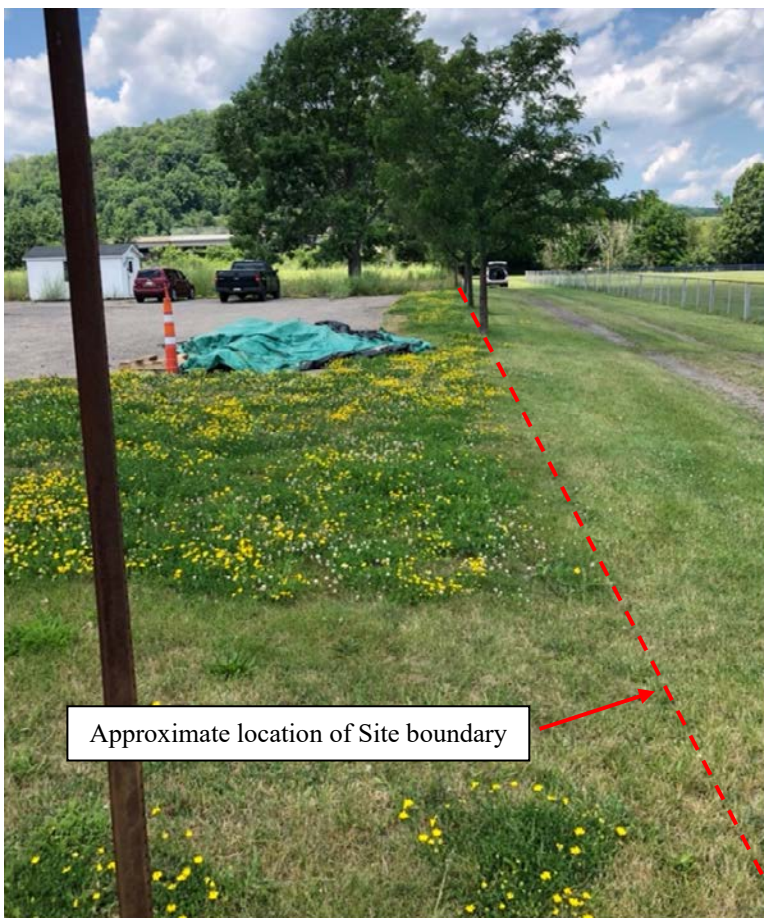
Eastern portion of the asphalt cover over the Employee Parking Lot, located on the southern portion of the site, facing northeast.



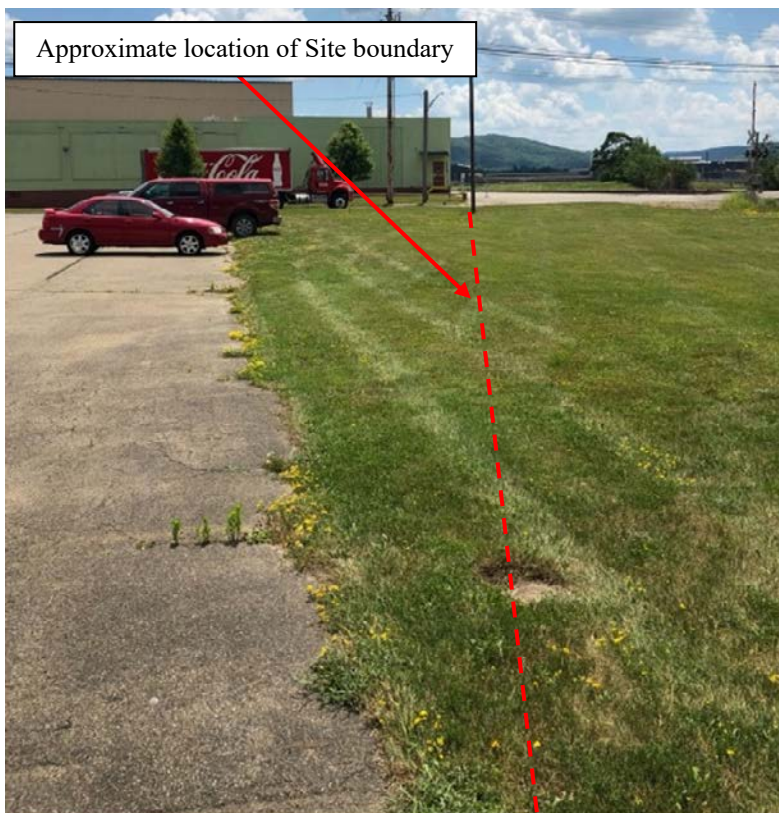
Typical view of vegetation growing in cracks in the asphalt cover, facing north.



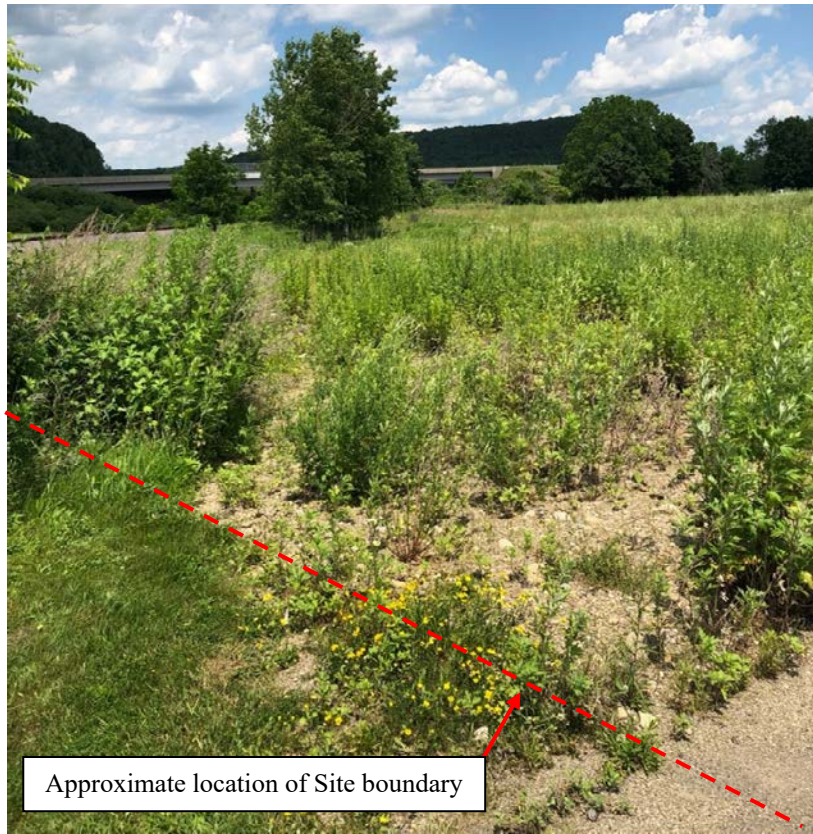
Typical view of soil cover (center), located along the southern edge of the Site, facing west



View of soil cover (center), located at the southeast corner of the Site and along the southeast edge of the Site, facing north.



View of soil cover (center) and asphalt cover (left), located along the southwestern edge of the Site, facing south.



View of the soil cover area with moderately dense vegetative cover, located on the western portion of the Site, facing northeast.



View of soil cover area with moderately dense vegetative cover (left) and asphalt cover (right), located on the western portion of the Site, facing east.



View of the soil cover and moderate vegetative cover, located on the northeast portion of the Site, facing southwest.



View of the soil cover and moderate vegetative cover, located on the northwest portion of the Site, facing east.



Typical view of drainage channel, located adjacent to the north of the Employee Parking Lot, facing west.



Typical view of mulch cover, located below/around select trees growing along the eastern edge of the Site, facing northwest.

ATTACHMENT C

ANALYTICAL LABORATORY REPORTS

CHAIN-OF-CUSTODY DOCUMENTATION

AND

DATA USABILITY SUMMARY REPORT (DUSR)



Wednesday, July 28, 2021

Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Project ID: L2135355
SDG ID: GCI69808
Sample ID#s: CI69808 - CI69816

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style with a large initial "P".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

July 28, 2021

SDG I.D.: GCI69808

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

July 28, 2021

SDG I.D.: GCI69808

Project ID: L2135355

Client Id	Lab Id	Matrix
MW-A/20210629	CI69808	GROUND WATER
MW-B/20210629	CI69809	GROUND WATER
MW-C/20210629	CI69810	GROUND WATER
MW-D/20210629	CI69811	GROUND WATER
MW-E/20210629	CI69812	GROUND WATER
MW-E/FILTER/20210629	CI69813	GROUND WATER
MW-F/20210629	CI69814	GROUND WATER
MW-G/20210629	CI69815	GROUND WATER
FB/20210629	CI69816	GROUND WATER



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Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
 Alpha Analytical Lab
 8 Walkup Drive
 Westborough, MA 01581

Sample Information

Matrix: GROUND WATER
 Location Code: ALPHA
 Rush Request: 96 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

06/29/21
 07/08/21

Time

15:37
 11:50

Laboratory Data

SDG ID: GCI69808
 Phoenix ID: CI69808

Project ID: L2135355
 Client ID: MW-A/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.020	J 0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	0.180	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	101	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	ND	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0008	J 0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	16.5	0.01	0.01	mg/L	1	07/10/21	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/12/21	MGH	SW7470A
Potassium	4.95	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	4.28	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	0.965	0.010	0.0010	mg/L	10	07/13/21	MGH	SW6020B
Sodium	45.4	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Nickel	0.0021	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	ND	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.012	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B

Sample Disposal	Completed	07/08/21	
Mercury Digestion	Completed	07/11/21	AB/AB SW7470A
Total Metals Digestion	Completed	07/09/21	AG
Total Metals Digestion MS (Silver)	Completed	07/09/21	AG

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
 Alpha Analytical Lab
 8 Walkup Drive
 Westborough, MA 01581

Sample Information

Matrix: GROUND WATER
 Location Code: ALPHA
 Rush Request: 96 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

06/29/21
 07/08/21

Time

14:55
 11:50

Laboratory Data

SDG ID: GCI69808
 Phoenix ID: CI69809

Project ID: L2135355
 Client ID: MW-B/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.004	J 0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	0.784	0.010	0.0010	mg/L	10	07/13/21	MGH	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	131	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	0.0002	J 0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	0.0003	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0014	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	2.87	0.01	0.01	mg/L	1	07/10/21	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	3.53	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	19.0	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	1.57	0.050	0.0050	mg/L	50	07/13/21	MGH	SW6020B
Sodium	61.3	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Nickel	0.0032	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	ND	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.001	J 0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B

Sample Disposal	Completed	07/08/21	
Mercury Digestion	Completed	07/11/21	AB/AB SW7470A
Total Metals Digestion	Completed	07/09/21	AG
Total Metals Digestion MS (Silver)	Completed	07/09/21	AG

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
 Alpha Analytical Lab
 8 Walkup Drive
 Westborough, MA 01581

Sample Information

Matrix: GROUND WATER
 Location Code: ALPHA
 Rush Request: 96 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

06/29/21
 07/08/21

Time

14:09
 11:50

Laboratory Data

SDG ID: GCI69808
 Phoenix ID: CI69810

Project ID: L2135355
 Client ID: MW-C/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.006	J 0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	0.0060	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	0.010	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	102	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	0.0003	J 0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	0.001	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0024	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	0.30	0.01	0.01	mg/L	1	07/10/21	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	4.38	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	9.01	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	0.228	0.0050	0.0005	mg/L	5	07/13/21	MGH	SW6020B
Sodium	12.4	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Nickel	0.0058	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	0.014	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	0.0042	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.007	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B

Sample Disposal	Completed	07/08/21	
Mercury Digestion	Completed	07/11/21	AB/AB SW7470A
Total Metals Digestion	Completed	07/09/21	AG
Total Metals Digestion MS (Silver)	Completed	07/09/21	AG

Project ID: L2135355
Client ID: MW-C/20210629

Phoenix I.D.: CI69810

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
 Alpha Analytical Lab
 8 Walkup Drive
 Westborough, MA 01581

Sample Information

Matrix: GROUND WATER
 Location Code: ALPHA
 Rush Request: 96 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 06/29/21 13:20
 07/08/21 11:50

Laboratory Data

SDG ID: GCI69808
 Phoenix ID: CI69811

Project ID: L2135355
 Client ID: MW-D/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.011	J 0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	0.0494	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	2.19	0.050	0.0050	mg/L	50	07/13/21	MGH	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	128	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	0.0004	J 0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	0.001	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0016	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	14.9	0.01	0.01	mg/L	1	07/14/21	TH	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	3.47	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	21.0	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	1.72	0.050	0.0050	mg/L	50	07/13/21	MGH	SW6020B
Sodium	139	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Nickel	0.0032	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	ND	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.002	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B

Sample Disposal	Completed	07/08/21	
Mercury Digestion	Completed	07/11/21	AB/AB SW7470A
Total Metals Digestion	Completed	07/09/21	AG
Total Metals Digestion MS (Silver)	Completed	07/09/21	AG

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
 Alpha Analytical Lab
 8 Walkup Drive
 Westborough, MA 01581

Sample Information

Matrix: GROUND WATER
 Location Code: ALPHA
 Rush Request: 96 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

06/29/21 12:01
 07/08/21 11:50

Time

Laboratory Data

SDG ID: GCI69808
 Phoenix ID: CI69812

Project ID: L2135355
 Client ID: MW-E/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.045	0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	0.0039	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	1.83	0.020	0.0020	mg/L	20	07/13/21	MGH	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	143	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	0.0008	J 0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	0.0003	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0032	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	2.16	0.01	0.01	mg/L	1	07/14/21	TH	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	3.44	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	25.5	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	3.66	0.050	0.0050	mg/L	50	07/13/21	MGH	SW6020B
Sodium	227	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Nickel	0.0102	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	0.0043	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	ND	0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.008	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B

Sample Disposal	Completed	07/08/21	
Mercury Digestion	Completed	07/11/21	AB/AB SW7470A
Total Metals Digestion	Completed	07/09/21	AG
Total Metals Digestion MS (Silver)	Completed	07/09/21	AG

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
 Alpha Analytical Lab
 8 Walkup Drive
 Westborough, MA 01581

Sample Information

Matrix: GROUND WATER
 Location Code: ALPHA
 Rush Request: 96 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date Time
 06/29/21 12:18
 07/08/21 11:50

Laboratory Data

SDG ID: GCI69808
 Phoenix ID: CI69813

Project ID: L2135355
 Client ID: MW-E/FILTER/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver (Dissolved)	ND	0.0004	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Aluminum (Dissolved)	0.0035	J 0.0050	0.0030	mg/L	2	07/16/21	MGH	SW6020B
Arsenic, Dissolved	ND	0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Barium (Dissolved)	1.83	0.053	0.0053	mg/L	50	07/16/21	MGH	SW6020B
Beryllium (Dissolved)	ND	0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Calcium (Dissolved)	153	0.53	0.0053	mg/L	50	07/16/21	MGH	SW6020B
Cadmium (Dissolved)	ND	0.0004	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Cobalt (Dissolved)	0.0007	J 0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Chromium (Dissolved)	0.0034	N 0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Copper (Dissolved)	0.003	J 0.011	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Iron, (Dissolved)	0.41	0.01	0.01	mg/L	1	07/14/21	CPP	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium (Dissolved)	3.48	0.05	0.0005	mg/L	5	07/16/21	MGH	SW6020B
Magnesium (Dissolved)	26.0	0.027	0.0005	mg/L	5	07/16/21	MGH	SW6020B
Manganese (Dissolved)	3.50	0.053	0.0053	mg/L	50	07/16/21	MGH	SW6020B
Sodium (Dissolved)	242	0.53	0.0053	mg/L	50	07/16/21	MGH	SW6020B
Nickel (Dissolved)	0.0106	0.0011	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Lead (Dissolved) LDL	ND	0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Antimony (Dissolved)-LDL	ND	0.0006	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Selenium (Dissolved)-LDL	ND	0.004	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Thallium (Dissolved)	ND	0.0006	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Vanadium (Dissolved)	ND	0.0021	0.0002	mg/L	2	07/16/21	MGH	SW6020B
Zinc (Dissolved)	0.006	J 0.009	0.0002	mg/L	2	07/16/21	MGH	SW6020B

Sample Disposal	Completed	07/08/21	
Dissolved Mercury Digestion	Completed	07/13/21	AB/AB SW7470A
Dissolved Metals Preparation	Completed	07/15/21	AG SW3005A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
 Alpha Analytical Lab
 8 Walkup Drive
 Westborough, MA 01581

Sample Information

Matrix: GROUND WATER
 Location Code: ALPHA
 Rush Request: 96 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

06/29/21
 07/08/21

Time

10:58
 11:50

Laboratory Data

SDG ID: GCI69808
 Phoenix ID: CI69814

Project ID: L2135355
 Client ID: MW-F/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/12/21	MGH	SW6020B
Aluminum	0.004	J 0.040	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Arsenic	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Barium	0.391	0.010	0.0010	mg/L	10	07/13/21	MGH	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Calcium	122	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Cobalt	0.0006	J 0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Chromium	0.002	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Copper	0.0013	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Iron	0.03	0.01	0.01	mg/L	1	07/10/21	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	3.58	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	17.4	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	1.01	0.010	0.0010	mg/L	10	07/13/21	MGH	SW6020B
Sodium	56.4	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Nickel	0.0051	0.0010	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Selenium	0.0002	J 0.004	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Zinc	0.004	0.002	0.0002	mg/L	2	07/12/21	CPP	SW6020B
Client MS/MSD	Completed					07/13/21		
Sample Disposal	Completed					07/08/21		
Mercury Digestion	Completed					07/11/21	AB/AB	SW7470A
Total Metals Digestion	Completed					07/09/21	AG	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digestion MS (Silver)	Completed					07/09/21	AG	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
 Alpha Analytical Lab
 8 Walkup Drive
 Westborough, MA 01581

Sample Information

Matrix: GROUND WATER
 Location Code: ALPHA
 Rush Request: 96 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

06/29/21
 07/08/21

Time

16:45
 11:50

Laboratory Data

SDG ID: GCI69808
 Phoenix ID: CI69815

Project ID: L2135355
 Client ID: MW-G/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/13/21	MGH	SW6020B
Aluminum	0.006	J 0.040	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Arsenic	ND	0.0016	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Barium	1.44	0.020	0.0020	mg/L	20	07/13/21	MGH	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Calcium	231	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Cobalt	0.0003	J 0.0020	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Chromium	ND	0.004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Copper	0.0023	0.0010	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Iron	7.14	0.01	0.01	mg/L	1	07/14/21	TH	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	5.29	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	19.6	0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	2.12	0.020	0.0020	mg/L	20	07/13/21	MGH	SW6020B
Sodium	65.8	0.50	0.0050	mg/L	50	07/14/21	MGH	SW6020B
Nickel	0.0049	0.0010	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Selenium	ND	0.004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Zinc	0.002	J 0.002	0.0002	mg/L	2	07/13/21	CPP	SW6020B

Sample Disposal	Completed	07/08/21	
Mercury Digestion	Completed	07/11/21	AB/AB SW7470A
Total Metals Digestion	Completed	07/09/21	AG
Total Metals Digestion MS (Silver)	Completed	07/09/21	AG

Project ID: L2135355
Client ID: MW-G/20210629

Phoenix I.D.: CI69815

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

July 28, 2021

FOR: Attn: Melissa Deyo
 Alpha Analytical Lab
 8 Walkup Drive
 Westborough, MA 01581

Sample Information

Matrix: GROUND WATER
 Location Code: ALPHA
 Rush Request: 96 Hour
 P.O.#:

Custody Information

Collected by:
 Received by: LB
 Analyzed by: see "By" below

Date

06/29/21
 07/08/21

Time

15:45
 11:50

Laboratory Data

SDG ID: GCI69808
 Phoenix ID: CI69816

Project ID: L2135355
 Client ID: FB/20210629

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.0004	0.0002	mg/L	2	07/13/21	MGH	SW6020B
Aluminum	0.007	J 0.040	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Arsenic	ND	0.0016	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Barium	0.002	0.002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Beryllium	ND	0.0016	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Calcium	0.247	0.050	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Cadmium	ND	0.0004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Cobalt	ND	0.0020	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Chromium	0.001	J 0.004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Copper	0.0004	J 0.0010	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Iron	0.03	0.01	0.01	mg/L	1	07/14/21	TH	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	07/13/21	AT	SW7470A
Potassium	ND	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Magnesium	0.04	J 0.10	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Manganese	0.0029	0.0020	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Sodium	0.12	0.05	0.0005	mg/L	5	07/14/21	MGH	SW6020B
Nickel	ND	0.0010	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Lead	ND	0.0002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Antimony	ND	0.0012	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Selenium	ND	J 0.004	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Thallium	ND	0.0002	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Vanadium	ND	0.0020	0.0002	mg/L	2	07/13/21	CPP	SW6020B
Zinc	0.005	0.002	0.0002	mg/L	2	07/13/21	CPP	SW6020B

Sample Disposal	Completed	07/08/21	
Mercury Digestion	Completed	07/11/21	AB/AB SW7470A
Total Metals Digestion	Completed	07/09/21	AG
Total Metals Digestion MS (Silver)	Completed	07/09/21	AG

Project ID: L2135355
Client ID: FB/20210629

Phoenix I.D.: CI69816

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

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Phyllis Shiller, Laboratory Director

July 28, 2021

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

July 28, 2021

QA/QC Data

SDG I.D.: GCI69808

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 583054 (mg/L), QC Sample No: CI69814 (CI69809, CI69810, CI69811, CI69812, CI69814, CI69815, CI69816)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	99.1			96.0	99.0	3.1	75 - 125	20
QA/QC Batch 582883 (mg/L), QC Sample No: CI70100 (CI69808)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	103			102			75 - 125	20
QA/QC Batch 583226 (mg/L), QC Sample No: CI70514 (CI69813)													
Mercury (Dissolved)	BRL	0.0002	<0.0002	<0.0002	NC	126			99.3			75 - 125	20
QA/QC Batch 582966 (mg/L), QC Sample No: CI69182 (CI69811, CI69812, CI69815, CI69816)													
<u>ICP Metals - Aqueous</u>													
Iron	BRL	0.010	0.238	0.228	4.30	97.2	98.0	0.8	98.5			80 - 120	20
QA/QC Batch 582954 (mg/L), QC Sample No: CI69813 (CI69813)													
<u>ICP Metals - Dissolved</u>													
Iron	BRL	0.011	0.41	0.404	1.50	86.3	87.9	1.8	83.4			80 - 120	20
QA/QC Batch 582965 (mg/L), QC Sample No: CI69814 (CI69808, CI69809, CI69810, CI69814)													
<u>ICP Metals - Aqueous</u>													
Iron	BRL	0.010	0.03	0.034	NC	94.4	96.7	2.4	93.7	94.8	1.2	80 - 120	20
QA/QC Batch 583714 (mg/L), QC Sample No: CI69813 2X (CI69813)													
<u>ICP Metals MS - Dissolved</u>													
Aluminum	BRL	0.005	0.0035 J	0.006	NC	97.1	99.4	2.3	102			80 - 120	20
Antimony	BRL	0.0006	<0.0006	<0.0006	NC	92.4	92.6	0.2	99.1			80 - 120	20
Arsenic	BRL	0.0021	<0.0021	<0.0021	NC	94.5	94.5	0.0	98.2			80 - 120	20
Barium	BRL	0.0021	1.83	1.84	0.50	94.7	93.0	1.8	NC			80 - 120	20
Beryllium	BRL	0.0021	<0.0021	<0.0021	NC	95.4	98.7	3.4	103			80 - 120	20
Cadmium	BRL	0.0004	<0.0004	<0.0004	NC	94.5	95.4	0.9	98.5			80 - 120	20
Calcium	BRL	0.053	153	144	6.10	99.6	93.4	6.4	NC			80 - 120	20
Chromium	BRL	0.0021	0.0034 N	0.0025	NC	98.2	103	4.8	0			80 - 120	20
Cobalt	BRL	0.0021	0.0007 J	0.0008	NC	93.0	96.1	3.3	97.1			80 - 120	20
Copper	BRL	0.011	0.003 J	0.004	NC	98.5	99.8	1.3	92.8			80 - 120	20
Lead	BRL	0.0021	<0.0021	<0.0021	NC	94.8	95.0	0.2	90.4			80 - 120	20
Magnesium	BRL	0.027	26.0	25.4	2.30	93.0	88.1	5.4	NC			80 - 120	20
Manganese	BRL	0.0021	3.50	3.39	3.20	92.3	94.7	2.6	NC			80 - 120	20
Nickel	BRL	0.0011	0.0106	0.0104	1.90	92.4	93.9	1.6	97.8			80 - 120	20
Potassium	BRL	0.05	3.48	3.56	2.30	95.3	91.2	4.4	87.3			80 - 120	20
Selenium	BRL	0.004	<0.004	<0.004	NC	106	100	5.8	98.9			80 - 120	20
Silver	BRL	0.0004	<0.0004	<0.0004	NC	96.9	97.4	0.5	91.5			80 - 120	20
Sodium	BRL	0.05	242	226	6.80	89.0	86.4	3.0	NC			80 - 120	20
Thallium	BRL	0.0006	<0.0006	<0.0006	NC	91.5	91.7	0.2	87.8			80 - 120	20
Vanadium	BRL	0.0021	<0.0021	0.0004	NC	84.7	88.4	4.3	98.3			80 - 120	20
Zinc	BRL	0.009	0.006 J	0.005	NC	106	106	0.0	99.6			80 - 120	20

QA/QC Data

SDG I.D.: GCI69808

Parameter	Blk Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 582956 (mg/L), QC Sample No: CI69814 5X (CI69808, CI69809, CI69810, CI69811, CI69812, CI69814, CI69815, CI69816)

ICP MS Metals - Aqueous

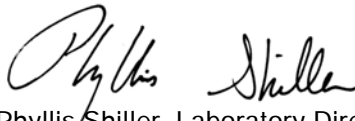
Aluminum	BRL	0.10	0.004 J	0.003	NC	106	102	3.8	97.0	89.6	7.9	80 - 120	20
Antimony	BRL	0.0030	<0.0012	<0.0012	NC	99.8	97.6	2.2	101	90.0	11.5	80 - 120	20
Arsenic	BRL	0.0040	<0.0016	<0.0016	NC	99.8	101	1.2	97.4	84.6	14.1	80 - 120	20
Barium	BRL	0.005	0.391	0.387	1.00	97.0	95.8	1.2	NC	NC	NC	80 - 120	20
Beryllium	BRL	0.0040	<0.0016	<0.0016	NC	101	103	2.0	102	91.0	11.4	80 - 120	20
Cadmium	BRL	0.0010	<0.0004	<0.0004	NC	100	101	1.0	102	90.8	11.6	80 - 120	20
Chromium	BRL	0.010	0.002 J	0.001	NC	92.8	93.4	0.6	97.4	86.6	11.7	80 - 120	20
Cobalt	BRL	0.0050	0.0006 J	0.0006	NC	92.6	92.0	0.7	92.2	80.4	13.7	80 - 120	20
Copper	BRL	0.0025	0.0013	0.0013	NC	98.8	98.8	0.0	97.8	84.2	14.9	80 - 120	20
Lead	BRL	0.0005	<0.0002	<0.0002	NC	101	101	0.0	95.8	87.2	9.4	80 - 120	20
Magnesium	BRL	0.10	17.4	17.1	1.70	85.6	93.4	8.7	NC	NC	NC	80 - 120	20
Manganese	BRL	0.0050	1.01	0.989	2.10	95.0	95.2	0.2	NC	NC	NC	80 - 120	20
Nickel	BRL	0.0025	0.0051	0.0047	8.20	92.8	92.8	0.0	93.0	79.0	16.3	80 - 120	20
Selenium	BRL	0.010	0.0002 J	<0.004	NC	111	109	1.8	111	100	10.4	80 - 120	20
Silver	BRL	0.0004	<0.0004	<0.0010	NC	90.6	88.8	2.0	98.6	97.2	1.4	80 - 120	20
Thallium	BRL	0.0005	<0.0002	<0.0002	NC	97.0	97.0	0.0	94.4	86.0	9.3	80 - 120	20
Vanadium	BRL	0.0050	<0.0020	<0.0020	NC	83.6	89.6	6.9	124	105	16.6	80 - 120	20
Zinc	BRL	0.005	0.004	0.003	NC	104	107	2.8	102	91.4	11.0	80 - 120	20

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference


 Phyllis Shiller, Laboratory Director
 July 28, 2021

Wednesday, July 28, 2021

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCI69808 - ALPHA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

July 28, 2021

SDG I.D.: GCI69808

The samples in this delivery group were received at 4.3°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

7-3 w/11



Subcontract Chain of Custody

Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040

Alpha Job Number
L2135355

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Alpha Analytical Labs Address: 320 Forbes Boulevard Mansfield, MA 02048-1806	Project Location: NY Project Manager: Melissa Deyo	State/Federal Program: NYDOH
Phone: 716.427.5229 Email: mdeyo@alphalab.com	Turnaround & Deliverables Information	Regulatory Criteria:
	Due Date: 07/14/21 Deliverables:	

Project Specific Requirements and/or Report Requirements

Reference following Alpha Job Number on final report/deliverables: L2135355

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com ;ASP Cat B required; MS/MSD on sample L2135355-07 ; Total TALs Metal by 6020 ; Dissolved Field Filtered TAL Metals by 6020 for sample L2135355-06

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
69808	MW-A/20210629	06-29-21 15:37	WATER	TAL 6020 Metals	MS/MSD
69809	MW-B/20210629	06-29-21 14:55	WATER	TAL 6020 Metals	
69810	MW-C/20210629	06-29-21 14:09	WATER	TAL 6020 Metals	
69811	MW-D/20210629	06-29-21 13:20	WATER	TAL 6020 Metals	
69812	MW-E/20210629	06-29-21 12:01	WATER	TAL 6020 Metals	
69813	MW-E/FILTER/20210629	06-29-21 12:18	WATER	Metals	
69813	MW-F/20210629	06-29-21 10:58	WATER	TAL 6020 Metals	
69814	MW-G/20210629	06-29-21 16:45	WATER	TAL 6020 Metals	
69815	FB/20210629	06-29-21 15:45	WATER	TAL 6020 Metals	
69816					

Form No: AL_subcoc	Relinquished By:	Date/Time:	Received By:	Date/Time:
	<i>Kim J. Bailey</i>	7/7/21	<i>Joseph L. Bernick</i>	7/7/21 2:40
	<i>Joseph L. Bernick</i>	7/7/21	<i>Dolly Smith</i>	7/8/21 7:15
	<i>Dolly Smith</i>	7/8/21	<i>Supriya</i>	7/8/21 11:50



**NEW YORK
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL 508-898-9920
FAX 508-898-8183

Mansfield, MA 02048
320 Forbes Blvd
TEL 508-822-9300
FAX 508-822-3288

Service Centers
Mahwah, NJ 07430: 15 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page
of

Date Rec'd
in Lab **7/1/21**

ALPHA Job #
LD135355

Project Information

Project Name: **C905043**

Project Location: **202 Franklin St. Ocean, New York**

Project # **48845-13**

(Use Project name as Project #)

Project Manager: **Ray Kampff**

ALPHAQuote #:

Turn-Around Time

Standard Due Date:
Rush (only if pre approved) # of Days:

Deliverables

ASP-A ASP-B
 EQiS (1 File) EQiS (4 File)
 Other **(NYSDEC EQiS)**

Billing Information

Same as Client Info
PO #

Regulatory Requirement

NY TOGS NY Part 375
 AWO Standards NY CP-51
 NY Restricted Use Other
 NY Unrestricted Use
 NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities

Disposal Facility:
 NJ NY
 Other

Client Information

Client: **Day Environmental, Inc**

Address: **1563 Lyell Avenue
Rochester, NY 14606**

Phone: **585 454 0210**

Fax:

Email: **r.kampff@daymail.net**

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TAL Metals	ANALYSIS										Sample Filtration	Total Bottles								
												<input checked="" type="checkbox"/> Done MW-E/Filter	1							
												<input type="checkbox"/> Lab to do (see bucket)		1						
												Preservation			1					
												<input type="checkbox"/> Lab to do				1				
												(Please Specify below)					1			
												Sample Specific Comments						1		
																			3	
												Field Filtered								1
												Also Run MS/MS								
													1							

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TAL Metals	ANALYSIS	Sample Filtration	Total Bottles
		Date	Time						
35355-01	MW-A/20210629	6/29/21	15:37	GW	CH	X			1
-02	MW-B/20210629		14:55	GW		X			1
-03	MW-C/20210629		14:09	GW		X			1
-04	MW-D/20210629		13:20	GW		X			1
-05	MW-E/20210629		12:01	GW		X			1
-06	MW-E/Filter/20210629		12:18	GN		X			1
-07	MW-F/20210629		10:58	GN		X			3
-08	MW-G/20210629		10:45	GN		X			1
-09	FB/20210629		15:45	DI H ₂ O		X			1

Preservative Code:

- A = None
- B = HCl
- C = HNO₃
- D = H₂SO₄
- E = NaOH
- F = MeOH
- G = NaHSO₄
- H = Na₂S₂O₃
- K/E = Zn Ac/NaOH
- O = Other

Container Code

- P = Plastic
- A = Amber Glass
- V = Vial
- G = Glass
- B = Bacteria Cup
- C = Cube
- O = Other
- E = Encore
- D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type **P**

Preservative **C**

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	6/29/21 17:00	<i>[Signature]</i>	7/1/21 9:45
<i>[Signature]</i>	6/30/21 12:00	<i>[Signature]</i>	7/1/21 00:45
<i>[Signature]</i>	7/1/21 9:00	<i>[Signature]</i>	7/1/21 04:15
<i>[Signature]</i>	7/1/21 09:15	<i>[Signature]</i>	7/1/21 06:45

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

202 Franklin St.
Phoenix Environmental Laboratories, Inc. SDG#GCI69808
August 19, 2021
Reissued: September 21, 2021
Sampling date: 6/29/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

202 Franklin St.
SDG# GCI69808

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(reissue: September 21, 2021) for Day Environmental, project located at 202 Franklin St., Phoenix Environmental Laboratories, Inc. #GCI69808 submitted to Vali-Data of WNY, LLC on August 6, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Inorganics (6020B) and Mercury (7470A).

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use but are qualified below in Blanks, Laboratory Control Samples, MS/MSD/Duplicate, Compound Quantitation and Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Al was detected above the MDL, below the reporting limit and is qualified as estimated in CI69814BLK. V was detected above the MDL, below the reporting limit and is qualified as estimated in ICB run on 7/12/21(19:56). Se and Sb were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/12/21(21:45). Sb was detected above the MDL, below the reporting limit and is qualified as estimated in CCB run on 7/12/21(23:00). Cr, Se and Al were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/12/21(23:36). Cr and Al were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/13/21(0:29). As and V were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/13/21(11:03). Al, Sb and V were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/13/21(12:23). Mg and Na were detected above the MDL, below the reporting limit and are qualified as estimated in ICB and CCB run on 7/14/21(9:01, 9:49). Na was detected above the MDL, below the reporting limit and is qualified as estimated in CCBs run on 7/14/21(10:08, 10:24, 10:35, 11:18). Mg and Na were detected above the MDL, below the reporting limit and are qualified as estimated in ICB run on 7/16/21(8:42) and CCB run on 7/16/21 (9:18). Na was detected above the MDL, below the reporting limit and is qualified as estimated in CCB run on 7/16/21(9:29). As and Sb were detected above the MDL, below the reporting limit and are qualified as estimated in ICB run on 7/16/21(10:13). As, Al and V were detected above the MDL, below the reporting limit and are qualified as estimated in CCB run on 7/16/21(10:34). V was detected above the MDL, below the reporting limit and is qualified as estimated in CCB run on 7/16/21(11:14). Se was detected above the MDL, below the reporting limit and is qualified as estimated in ICB run on 7/16/21(13:04) and CCBs run on 7/16/21(13:21, 13:50). These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit. Sb was detected above the reporting limit in ICB run on 7/12/21(19:56). Sb was detected above the reporting limit in ICB run on 7/13/21(11:03). These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as undetected in associated samples in which they were detected above the reporting limit but below the blank concentration. These target analytes should be qualified as estimated high in associated samples in which they were detected above the blank concentration.

LABORATORY CONTROL SAMPLE

All criteria were met except the %Rec of Hg was outside QC limits high in batch #583226 and should be qualified as estimated. This target analyte was not detected in the associated samples, so no further action is required.

202 Franklin St.

SDG# GCI69808

MS/MSD/DUPLICATE

All criteria were met except the %Rec of Cr was outside QC limits low in MW-E/FILTER/20210629MS but within limits in the post digest spike. This target analyte should be qualified as estimated in MW-E/FILTER/20210629.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

All criteria were met.

COMPOUND QUANTITATION

All criteria were met except Cu was detected above the MDL, below the reporting limit and is qualified as estimated in FB/20210629. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as estimated high in associated samples in which it was detected above the reporting limit.

Al, Cr and Mg were detected above the MDL, below the reporting limit in FB/20210629, but due to detects in the blanks these target analytes would be considered undetected, so no further action is required.

Ba, Ca, Fe, Mn, Na and Zn were detected above the reporting limit in FB/20210629. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as undetected in associated samples in which they were detected above the reporting limit but below the blank concentration. These target analytes should be qualified as estimated high in associated samples in which they were detected above the blank concentration.

CALIBRATION

All criteria were met except the %Rec of Na was outside QC limits, low in CCV5 run on 7/14/21 (11:21). This target analyte should be qualified as estimated in the associated sample, blank and spikes.

The %Rec of Al was outside QC limits, high in CCV2 run on 7/16/21 (11:21). This target analyte should be qualified as estimated high in the associated samples, blanks and spikes in which it was detected.