BENCHMARK
CIVIL/ENVIRONMENTAL ENGINEERING & GEOLOGY, PLLC

December 3, 2021

Mr. Todd Caffoe
NYSDEC Region 8
6274 East Avon-Lima Road
Avon, New York 14414

Re: Supplemental Phase II Investigation Report
Kaddis Manufacturing Corporation Rochester Site
293 Patriot Way
Rochester, New York 14624

Dear Mr. Caffoe:

Benchmark Civil/Environmental Engineering and Geology, PLLC (Benchmark) has prepared this Supplemental Phase II Investigation Report on behalf of Kaddis Manufacturing Corporation (Kaddis) for the subject property located at 293 Patriot Way, Rochester, New York (Site) (see Figures 1 and 2).

BACKGROUND

The Site was subject to a Phase II investigation in support of environmental due diligence activities in late June of 2021. The Phase II investigation was conducted by Ramboll US Consulting, Inc. (Ramboll) and included:

- Advancement of five (5) direct-push borings, designated alphanumerically as A through E, with soil and groundwater samples collected at each location.
- Sampling of surface soils from a nearby stormwater culvert.
- Sampling of groundwater from two temporary wells remaining from a prior Phase II investigation conducted in 2012, and a well installed in concert with underground storage tank (UST) removal activities and associated spill cleanup (NYSDEC Spill #0706977) in 2007.
- A subslab vapor assessment within the existing manufacturing building.

The data identified chlorinated volatile organic compound (cVOC) impacts above Class GA Standards in groundwater, notably at well MW-C and to a lesser extent at MW-B. No cVOCs were present above NYSDEC Commercial Soil Cleanup Objectives (CSCOs) in the soil samples. Only one polyaromatic hydrocarbon was present above CSCOs in the stormwater culvert sample. Subslab air samples, although not paired with indoor air, indicated "no further action" relative to current NYSDOH vapor intrusion guidance.

2558 Hamburg Turnpike, Suite 300 | Buffalo, NY 14218
phone: (716) 856-0599 | fax: (716) 856-0583

Based upon the findings of Ramboll's Phase II investigation it is suspected that residual cVOCs in groundwater are associated with the 5,000-gallon cutting oil UST referenced in Ramboll's report and removed by Benchmark in 2007 under Spill #0706977. Although conducted under the Petroleum Spills Program due to the release of cutting oils, the soils surrounding the tank and stone ballast within the tank were found, at that time, to also contain cVOCs in addition to petroleum. The NYSDEC was contacted and agreed to keep the cleanup within the Spills Program. The cVOC-impacted ballast and soils surrounding the UST were therefore removed and appropriately disposed offsite at permitted Treatment Storage and Disposal Facilities (TSDFs). The Department subsequently issued a *No Further Action* determination for the Spill.

To further confirm the suspected source of the impacts observed in wells MW-C and MW-B, Benchmark surveyed the temporary well locations and identified a localized gradient to the west, which follows a pronounced topographic drop-off in that direction extending from the western portion of the manufacturing building to the adjacent intersection of Patriot Way and Old Beahan Road.

The findings at well location MW-C warranted further investigation. Benchmark's approach, findings, and conclusions for the Supplemental Phase II investigation activities is presented below.

SUPPLEMENTAL PHASE II INVESTIGATION APPROACH

The supplemental investigation scope of work included the advancement of six (6) borings through unconsolidated overburden material to the top of bedrock, approximately 38 feet below ground surface (fbgs). Four of the six borings were advanced into the upper bedrock shale approximately 10 feet, to facilitate the installation of bedrock groundwater monitoring wells MW-1B, MW-4B, MW-5B, and MW-6B. The other two borings were completed in the unconsolidated overburden to facilitate the installation of shallow groundwater overburden wells MW-2 and MW-3. Figure 2 (attached) shows the approximate boring/well locations.

Subsurface Soil & Bedrock

In general, overburden soil samples were collected via continuous 4-foot macro-core sampling at each boring location for purposes of geologic description (ASTM D2488), visual and olfactory observations, and field screening for volatile organic compounds (VOCs) using a handheld photoionization detector (PID). Borings were advanced into the saturated overburden and/or to bedrock refusal utilizing a rear-mounted drill rig (and hollow stem augers). Bedrock core samples were then collected (ASTM D2113) approximately 10 feet into the bedrock at four locations for purposes of geologic description (ASTM D6032), visual and olfactory observations, and field screening for VOCs using a handheld PID via NQ core sampling. Borehole logs are presented in Attachment 1. Drill cuttings were containerized pending characterization.

Subsurface soils above (unsaturated zone) and below (saturated zone) the water table were field screened for the presence of volatile organics using a photoionization detector (PID) with a 10.6 eV lamp. Because groundwater samples were planned via monitoring well (see *Groundwater* Section below), only unsaturated soil samples were collected for laboratory analysis. Six unsaturated overburden soil samples were collected directly above the water table, one from each borehole depth interval, as no visual/olfactory or PID evidence of impact to the unsaturated soils were identified. Each soil sample was submitted for Target Compound List (TCL) VOC (Method 8260) analysis. Table 1 presents a summary of the soil analytical data. Attachment 2 includes the soil analytical data packages.

Groundwater
Two overburden (MW-2 and MW-3) and four bedrock (MW-1B, MW-4B, MW-5B, and MW-6B) monitoring wells were installed and developed in accordance with our proposed scope of work. Development water was containerized pending characterization. Well construction details are provided in Table 2 and well development field forms are presented in Attachment 3.

Groundwater samples from each well were collected via low-flow sampling techniques and analyzed for TCL VOCs (Method 8260). A round of static water levels were obtained from each on-Site monitoring well on November 11, 2021 to facilitate the preparation of Site-wide isopotential maps for overburden and bedrock units (see Figure 3 and 4, respectively). Static water levels are summarized in Table 2 and groundwater results are summarized on Table 3. Attachment 2 includes the groundwater analytical data packages.

INVESTIGATION FINDINGS

Investigation findings are summarized below by matrix: subsurface soil and groundwater.

Subsurface Soil
No field visual/olfactory observations of impact were identified in the unsaturated zone soil samples at any of the six borings. None of the PID measurements for each unsaturated soil sample were recorded above background concentration (i.e., 0.0 ppm) and each contained no VOC concentrations above Commercial Soil Cleanup Objectives (CSCOs) or PGWSCOs. PID evidence of impact was only identified in the saturated zone at borings MW-1B (PID = 8.5 at 10.0 to 14.0 fbgs) and MW-2 (PID = 42.0 at 14.0 to 16.0 fbgs). These impacts are presented in the *Groundwater* Section below.

Groundwater
Each on-site well was surveyed (July 29 and October 15, 2021) and static depth to groundwater levels were measured on November 17, 2021. Data from this event was used to prepare an isopotential map for shallow overburden groundwater (see Figure 3) and bedrock groundwater (see Figure 4). As indicated, the direction of on-site shallow overburden groundwater flow is generally radial toward the center of the Site with a smaller northwest component following a topographic drop-off to the northwest, with an estimated horizontal hydraulic gradient of 0.078

ft/ft. Bedrock groundwater flow however is east/northeast with an estimated horizontal hydraulic gradient of 0.023 ft/ft.

Analytical results from the October 14-15, 2021 sampling event for wells MW-1B, MW-2, MW-3, MW-4B, MW-5B, MW-6B as well as the June 2021 groundwater results (reported by Ramboll in their Phase II Report) for wells TMW-1A, TMW-2, MW-A thru MW-E, and the Tank Pit Well are presented in Table 4 and Figure 5. Class GA Ambient Water Quality Standards and Guidance Values (AWQSs/GVs) per NYSDEC T.O.G.S 1.1.1. are presented in Table 4 for comparison.

As indicated in Table 4 (and Figure 5), chlorinated VOCs (cVOCs) present in the shallow overburden groundwater, and to a lesser extent in the upper bedrock groundwater above T.O.G.S. limits are relegated to the western portion of the Site. The highest concentrations of cVOCs trichloroethene (TCE) and perchloroethene (PCE) as well as break-down daughter compounds cis-1,2-Dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride (VC), were detected in shallow overburden well MW-C. Due to an inward radial flow of shallow overburden groundwater, the cVOC-impacts appear limited in both horizontal and vertical extent from well MW-C. A two-dimensional isoconcentration map depicting the approximate radial cVOC impacts to groundwater is presented as Figure 6.

SUMMARY & CONCLUSIONS

Groundwater at the Site is impacted by cVOCs. The limited horizontal and vertical presence indicates that the contamination is localized in the western portion of the site and is primarily elevated in overburden groundwater. A remedial approach is recommended to address these impacts. Benchmark intends to submit a separate Remedial Action Work Plan to the Department on behalf of the property owner following issuance of the pending Consent Order.

Please contact us if you have any questions or require additional information.

Sincerely,
Benchmark Civil/Environmental Engineering & Geology, PLLC

Thomas H. Forbes, P.E.
President

Bryan C. Hann, P. G.
Senior Project Manager

ec: R Iannucci (Kaddis)
J MacAnn (Kaddis)
M. Tedeschi (Kaddis)
P. Sylvestri (Harter Secrest)

TABLES

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TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS

Supplemental Phase II Investigation Report
Kaddis Manufacturing Corporation
293 Patriot Way Site
Rochester, New York 14624

Parameter [1]	CasNum	CSCO [2]	PGWSCO [2]	ISCO [2]	Units	Sample ID, Sample Date, Lab ID					
						MW-1B (4-6.5') 09/30/2021 L2154540-01 Qual	MW-2 (4-5') 10/06/2021 L2154540-02 Qual	MW-3 (6-7') 10/06/2021 L2154540-03 Qual	MW-4B (4-7') 10/06/2021 L2154540-04 Qual	MW-5B (4-5.5') 10/06/2021 L2154540-05 Qual	MW-6B (5-8') 10/07/2021 L2156314-01 Qual
General Chemistry											
Solids, Total	NONE	NA	NA	NA	%	77.7	74.3	81.2	87.2	85.9	82.3
Field Measured PID											
PID Screening (maximum)	NONE	NA	NA	NA	ppm	0.0	0.0	0.0	0.0	0.0	0.0
Volatile Organics by GC/MS											
Acetone	67-64-1	500	0.05	1000	mg/kg	0.018	0.01 U	0.012 U	0.0093 U	0.01 U	0.012 U
Trichloroethene	79-01-6	200	0.47	400	mg/kg	0.00035 J	0.00072	0.00027 J	0.00035 J	0.00052 U	0.00059 U

Notes:
1. Only those organic compounds (VOCs or SVOCs) detected above the laboratory reporting limit for at least one sample location are presented in this table; all others were reported as non-detect (ND or U).
2. Part 375 Commercial (C), Protection of Groundwater SCO (PGW), and Industrial (I) Soil Cleanup Objective (SCO).

Qualifier Key:
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
ND = Not Detected at the method detection limit (MDL) for the sample.

Color Code:
= concentration exceeds the shaded regulatory limit.

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TABLE 2

MONITORING WELL CONSTRUCTION DETAILS AND WATER LEVELS

Kaddis Manufacturing Corporation
293 Patriot Way Site
Rochester, New York

Location[1]	Installation Date	Installed By	Well Diameter (inches)	Well Construction Material (screen/riser)	TOR Elevation[2] (fmsl)	Construction Details (approx.)			07/29/2021		10/15/2021		11/17/2021	
						Bentonite Seal (fbgs)	Sand Pack Interval (fbgs)	Screened Interval (fbgs)	DTW (fbTOR)	GWE (fmsl)	DTW (fbTOR)	GWE (fmsl)	DTW (fbTOR)	GWE (fmsl)
Tank Pit	unknown	BM	1.0	PVC / PVC	na	na	na	1.72 - 11.72	na	na	na	na	5.50	na
TW-1A	08/14/12	BM	1.0	PVC / PVC	504.70	0.5 - 2.0	2.0 - 18.63	8.63 - 18.63	12.15	492.55	na	na	9.85	494.85
TW-02	08/14/12	BM	1.0	PVC / PVC	503.45	0.5 - 2.0	2.0 - 25.91	15.91 - 25.91	9.35	494.10	na	na	6.50	496.95
MW-A	06/22/21	Ramboll	1.0	PVC / PVC	504.50	na	na	6.05 - 16.05	9.89	494.61	na	na	6.56	497.94
MW-B	06/22/21	Ramboll	1.0	PVC / PVC	501.97	na	na	9.08 - 19.08	9.95	492.02	na	na	6.80	495.17
MW-C	06/22/21	Ramboll	1.0	PVC / PVC	500.30	na	na	6.03 - 16.03	7.05	493.25	na	na	4.35	495.95
MW-D	06/22/21	Ramboll	1.0	PVC / PVC	501.68	na	na	7.21 - 17.21	7.60	494.08	na	na	5.70	495.98
MW-E	06/22/21	Ramboll	1.0	PVC / PVC	499.85	na	na	7.57 - 17.57	5.70	494.15	na	na	3.15	496.70
MW-1B	09/30/21	BM	2.0	PVC / PVC	502.25	0.5 - 31.6	31.6 - 43.6	33.6 - 43.6	na	na	6.75	495.50	3.85	498.40
MW-2	10/01/21	BM	2.0	PVC / PVC	498.75	0.5 - 5.8	5.8 - 17.8	7.8 - 17.8	na	na	4.60	494.15	0.50	498.25
MW-3	10/01/21	BM	2.0	PVC / PVC	501.95	0.5 - 6.0	6.0 - 18.0	8.0 - 18.0	na	na	7.35	494.60	3.35	498.60
MW-4B	10/04/21	BM	2.0	PVC / PVC	502.07	0.5 - 36.0	36.0 - 48.0	38.0 - 48.0	na	na	7.75	494.32	5.10	496.97
MW-5B	10/05/21	BM	2.0	PVC / PVC	501.08	0.5 - 42.0	42.0 - 54.0	44.0 - 54.0	na	na	13.80	487.28	11.15	489.93
MW-6B	10/07/21	BM	2.0	PVC / PVC	499.55	0.5 - 30.0	30.0 - 42.0	32.0 - 42.0	na	na	7.80	491.75	4.30	495.25

Notes:

1. Monitoring wells MW-A through MW-E were installed by Ramboll US Consulting, Inc. during a previous investigation; all others were installed by Benchmark Civil/Environmental Engineering & Geology, PLLC.
2. Top of riser elevation based upon an assumed datum of 500.00 fmsl established by Benchmark on the southern property boundary monument metal pin.
3. Top of riser elevations surveyed by Benchmark personnel on July 29, 2021 and October 15, 2021.

Definitions:

BM = Benchmark Environmental Engineering & Science, PLLC
Ramboll = Ramboll US Consulting, Inc.
TOR = Top of riser.
fmsl = feet above mean sea level.
fbgs = feet below ground surface.

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TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Supplemental Phase II Investigation Report
Kaddis Manufacturing Corporation
293 Patriot Way Site
Rochester, New York 14624

Parameter [1]	CasNum	NY-AWQS [2]	Units	Sample ID, Sample Date, Lab ID					
				MW-1B 10/14/2021 L2156436-01 Qual	MW-2 10/14/2021 L2156436-02 Qual	MW-3 10/14/2021 L2156436-03 Qual	MW-4B 10/14/2021 L2156436-04 Qual	MW-5B 10/15/2021 L2156645-01 Qual	MW-6B 10/14/2021 L2156436-05 Qual
Field Measurements									
TOR Elevation	--	--	fmsl	502.25	498.75	501.95	502.07	501.08	499.55
Total Depth	--	--	fbTOR	43.60	18.10	18.00	48.00	54.10	42.00
Static Depth to Water	--	--	fbTOR	6.75	3.15	7.35	7.75	13.30	7.80
Groundwater Elevation	--	--	fmsl	495.50	495.60	494.60	494.32	487.78	491.75
pH	--	--	units	7.49	7.26	7.32	7.48	7.05	7.66
Temperature	--	--	deg. C	15.0	16.1	15.5	14.6	13.0	16.3
Specific Conductance	--	--	uS	893	914	714	887	1784	803
Turbidity	--	--	NTU	659	17.9	326	8.61	15.7	348
Dissolved Oxygen	--	--	mg/L	0.63	6.45	3.81	1.26	0.64	0.75
ORP	--	--	mV	59	143	44	49	-62	-61
Appearance, Odor	--	6.5 - 8.5	--	turbid, none	clear, none	turbid, none	clear, none	clear, none	turbid, none
Volatile Organics by GC/MS									
1,1-Dichloroethane	75-34-3	5	ug/l	2.5 U	25 U	2.5 U	1.6 J	2.5 U	2.5 U
1,1-Dichloroethene	75-35-4	5	ug/l	0.5 U	5 U	0.18 J	1.7	0.5 U	0.5 U
Acetone	67-64-1	50	ug/l	2.5 J	50 U	5 U	10 U	5 U	5 U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	68	570	83	110	2.5 U	2.5 U
Tetrachloroethene	127-18-4	5	ug/l	0.5 U	14	3.9	1 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	5	ug/l	2.5 U	19 J	2.2 J	24	2.5 U	2.5 U
Trichloroethene	79-01-6	5	ug/l	12	1700 D	100	210	0.2 J	0.85
Vinyl chloride	75-01-4	2	ug/l	6.5	14	0.47 J	7.9	1 U	1 U
Total cVOCs	**na**	**na**	**ug/l**	**18.5**	**2,317**	**189.75**	**355.2**	**0.2**	**0.85**

Notes:

1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one sample are included.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards/Guidance Values; NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1

Qualifier Key:

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

Color Code:

= concentration exceeds the NYSDEC Class GA AWQS/GV.

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TABLE 4

SUMMARY OF SITE-WIDE GROUNDWATER RESULTS

Supplemental Phase II Investigation Report
Kaddis Manufacturing Corporation
293 Patriot Way Site
Rochester, New York 14624

Class	Parameter [1]	AWQS/GVs [2]	Units	Well ID, Sample Date, and Concentration													
				TMW-1A (June 2021)	TMW-2 (June 2021)	MW-A (June 2021)	MW-B (June 2021)	MW-C (June 2021)	MW-D (June 2021)	MW-E (June 2021)	MW-1B (October 2021)	MW-2 (October 2021)	MW-3 (October 2021)	MW-4B (October 2021)	MW-5B (October 2021)	MW-6B (October 2021)	Tank Pit Well (June 2021)
pVOC	2-Butanone	50*	ug/L	ND	ND	2.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	50*	ug/L	ND	ND	12	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	ND	ND
	Benzene	1	ug/L	ND	ND	0.37 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	5	ug/L	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	5	ug/L	ND	ND	0.65 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	m,p-Xylenes	5	ug/L	ND	ND	0.43 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	o-Xylene	5	ug/L	ND	ND	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cVOC	1,1-DCA	5	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	ND	ND
	1,1-DCE	5	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2 J	1.7	ND	ND	ND
	cis-1,2-DCE	5	ug/L	2	ND	0.92 J	6.7	11,000	ND	ND	68	570	83	110	ND	ND	6.4
	trans-1,2-DCE	5	ug/L	ND	ND	ND	0.56 J	480	ND	ND	ND	19 J	ND	24	ND	ND	ND
	PCE	5	ug/L	ND	ND	0.55 J	2.8	620	ND	ND	ND	14	3.9	ND	ND	ND	ND
	TCE	5	ug/L	5	ND	3.1	41	16,000	1.9	ND	12	1,700 D	100	210	0.2 J	0.85	0.47 J
	VC	2	ug/L	ND	ND	ND	ND	430	ND	ND	6.5	14	0.47 J	7.9	ND	ND	1.7
Total cVOCs		**--**	**ug/L**	**7**	**ND**	**4.57**	**51.06**	**28,530**	**1.9**	**ND**	**86.5**	**2,317**	**189.57**	**355.2**	**0.2**	**0.85**	**8.57**

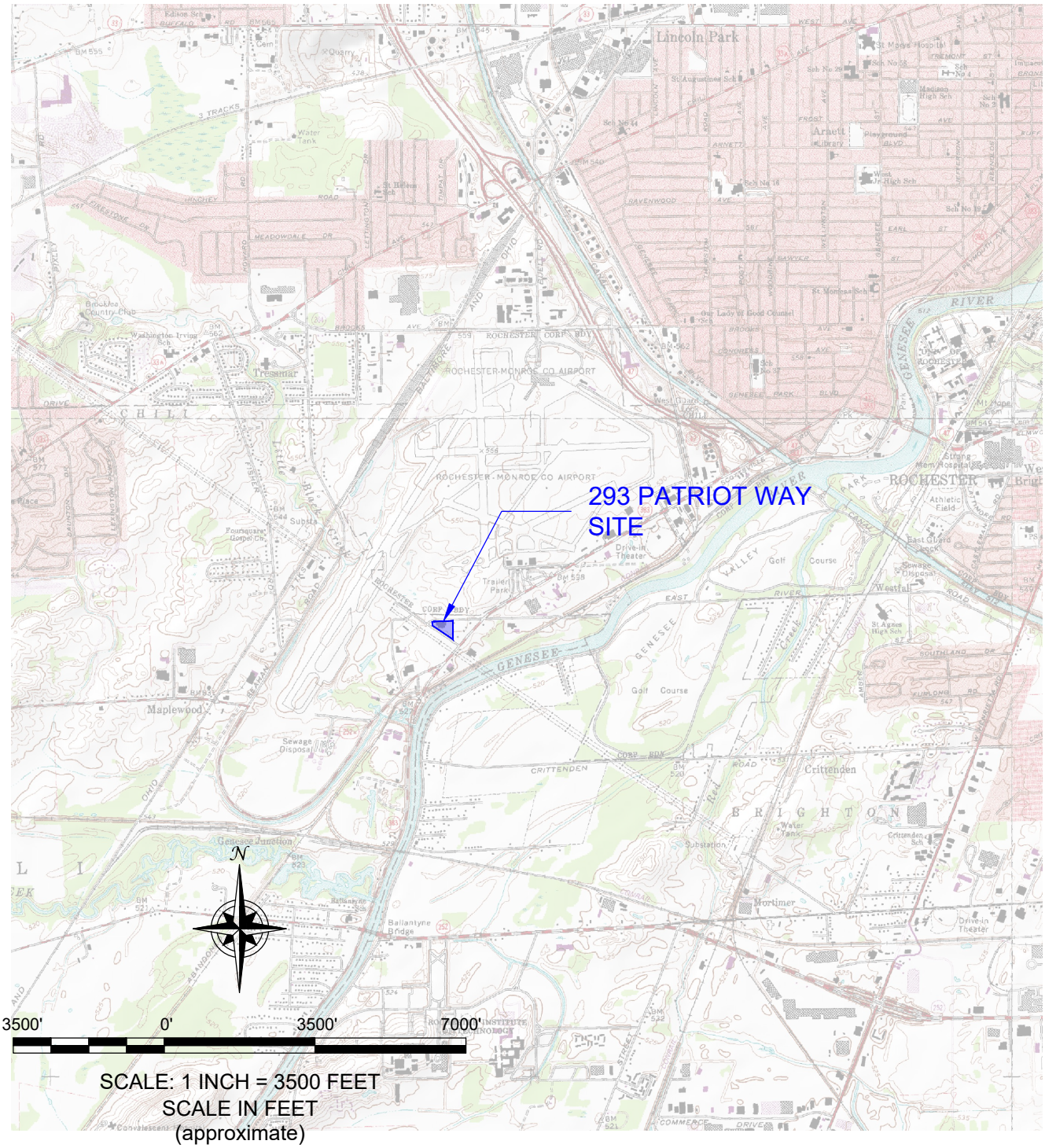
Notes:
1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one sample are included.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards/Guidance Values (*); NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1

Abbreviations:
pVOC = petroleum-based volatile organic compound
cVOC = chlorinated solvent-based volatile organic compound

= exceeds AWQS/GV

FIGURES

FIGURE 1



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CIVIL/ENVIRONMENTAL ENGINEERING & GEOLOGY, PLLC
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: B0127-021-001

DATE: NOVEMBER 2021

DRAFTED BY: BCH

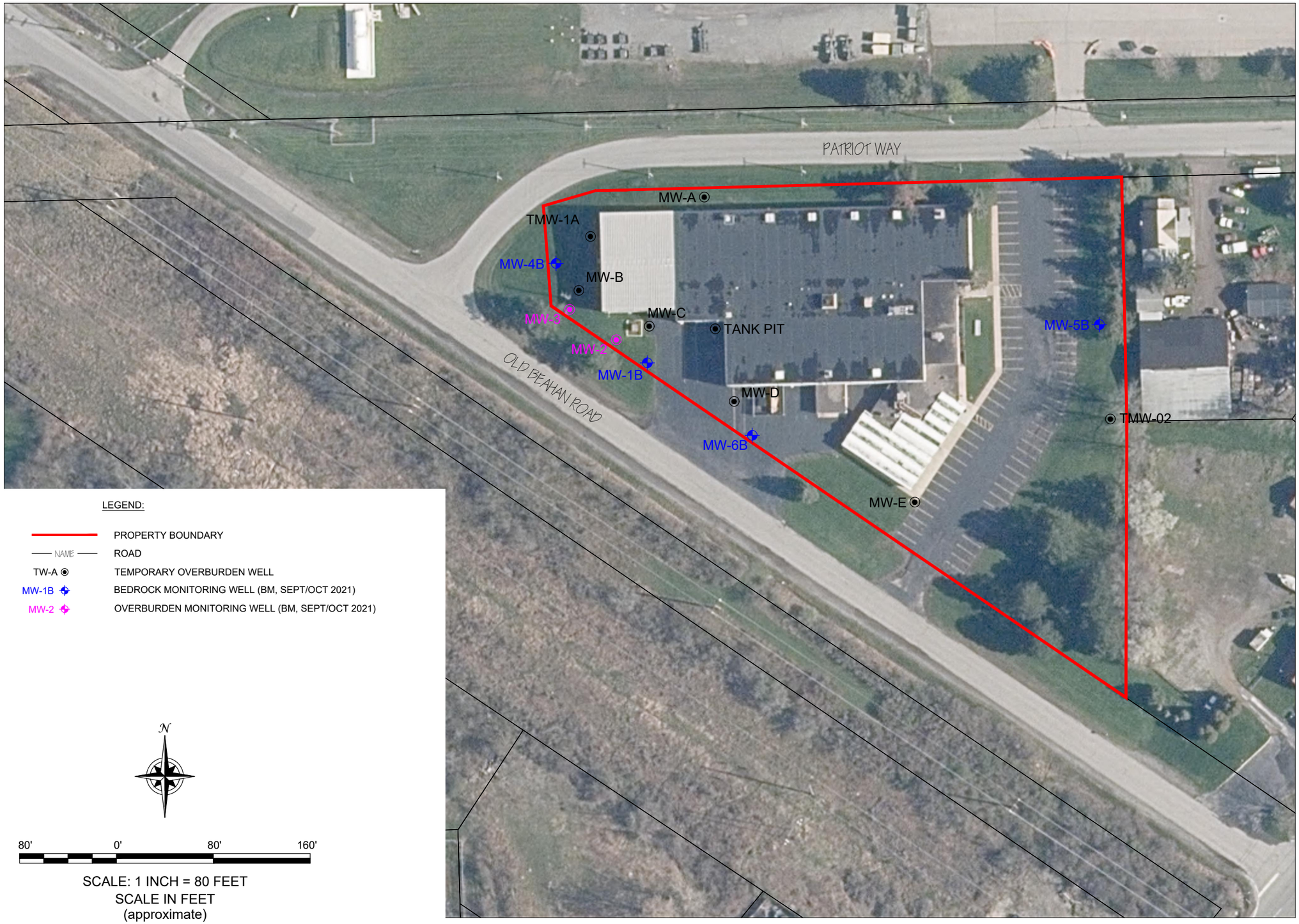
SITE LOCATION & VICINITY MAP

SUPPLEMENTAL PHASE II INVESTIGATION

293 PATRIOT WAY SITE
ROCHESTER, NEW YORK

PREPARED FOR

KADDIS MANUFACTURING CORPORATION



LEGEND:

- PROPERTY BOUNDARY
- NAME — ROAD
- TW-A — TEMPORARY OVERBURDEN WELL
- MW-1B — BEDROCK MONITORING WELL (BM, SEPT/OCT 2021)
- MW-2 — OVERBURDEN MONITORING WELL (BM, SEPT/OCT 2021)

N

80' 0' 80' 160'

SCALE: 1 INCH = 80 FEET
SCALE IN FEET
(approximate)

DATE: NOVEMBER 2021
DRAFTED BY: BCH

C:\Users\CADD Station\OneDrive - Orion Environmental Solutions, LLC\0 - Benchmark\0 - PROJECTS\Kaddis\293 Patriot Way, Rochester\CAD\293patriotwaybasemap.dwg

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CIVIL/ENVIRONMENTAL
ENGINEERING &
GEOLOGY, PLLC
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

JOB NO.: B0127-021-001

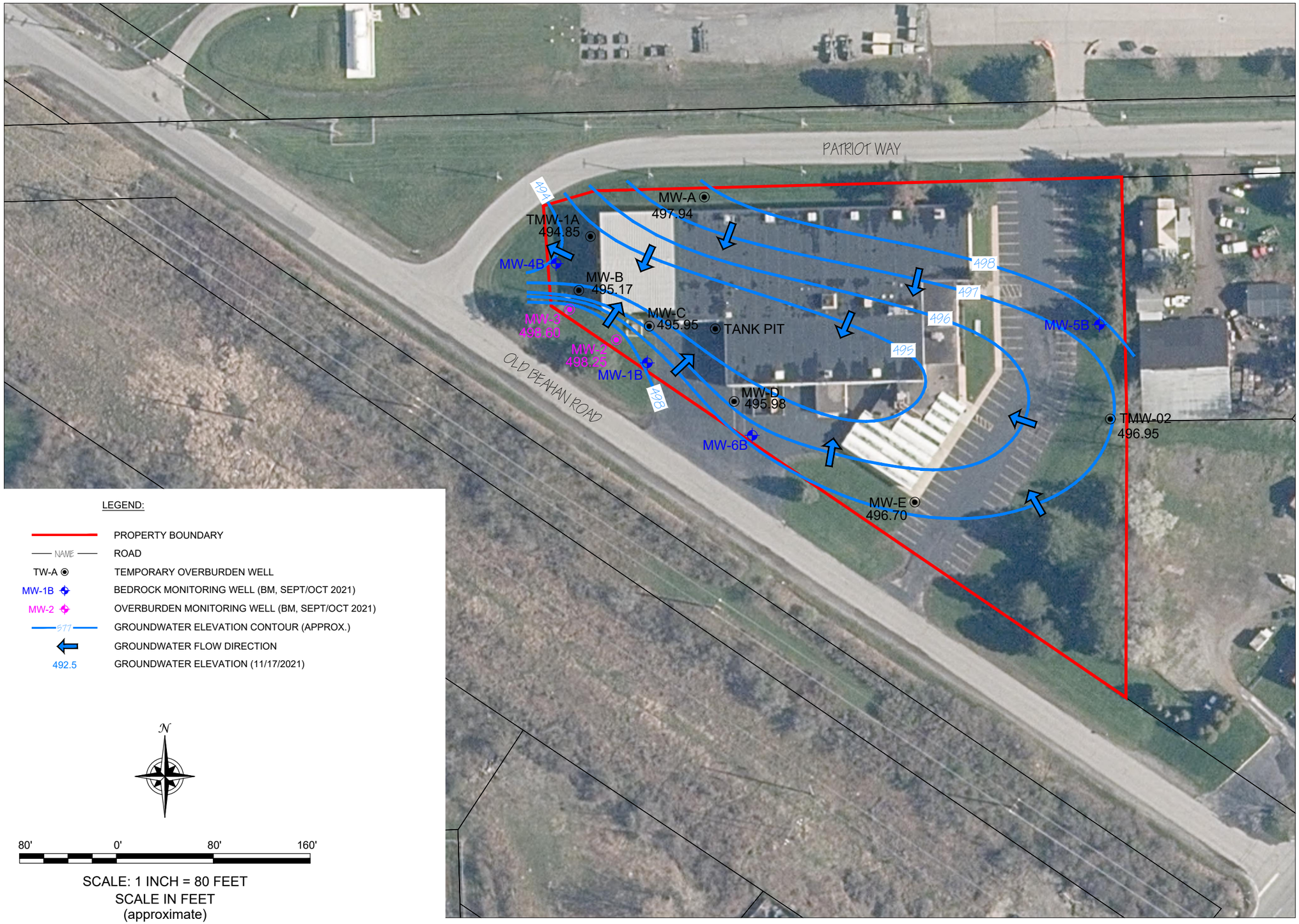
SITE PLAN (AERIAL)

SUPPLEMENTAL PHASE II INVESTIGATION

293 PATRIOT WAY
ROCHESTER, NEW YORK

PREPARED FOR
KADDIS MANUFACTURING CORPORATION

FIGURE 2



LEGEND:

- PROPERTY BOUNDARY
- NAME — ROAD
- TW-A — TEMPORARY OVERBURDEN WELL
- MW-1B — BEDROCK MONITORING WELL (BM, SEPT/OCT 2021)
- MW-2 — OVERBURDEN MONITORING WELL (BM, SEPT/OCT 2021)
- 577 — GROUNDWATER ELEVATION CONTOUR (APPROX.)
- GROUNDWATER FLOW DIRECTION
- 492.5 — GROUNDWATER ELEVATION (11/17/2021)

N

80' 0' 80' 160'

SCALE: 1 INCH = 80 FEET
SCALE IN FEET
(approximate)

DATE: NOVEMBER 2021
DRAFTED BY: BCH

BENCHMARK
CIVIL/ENVIRONMENTAL ENGINEERING & GEOLOGY, PLLC
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

JOB NO.: B0127-021-001

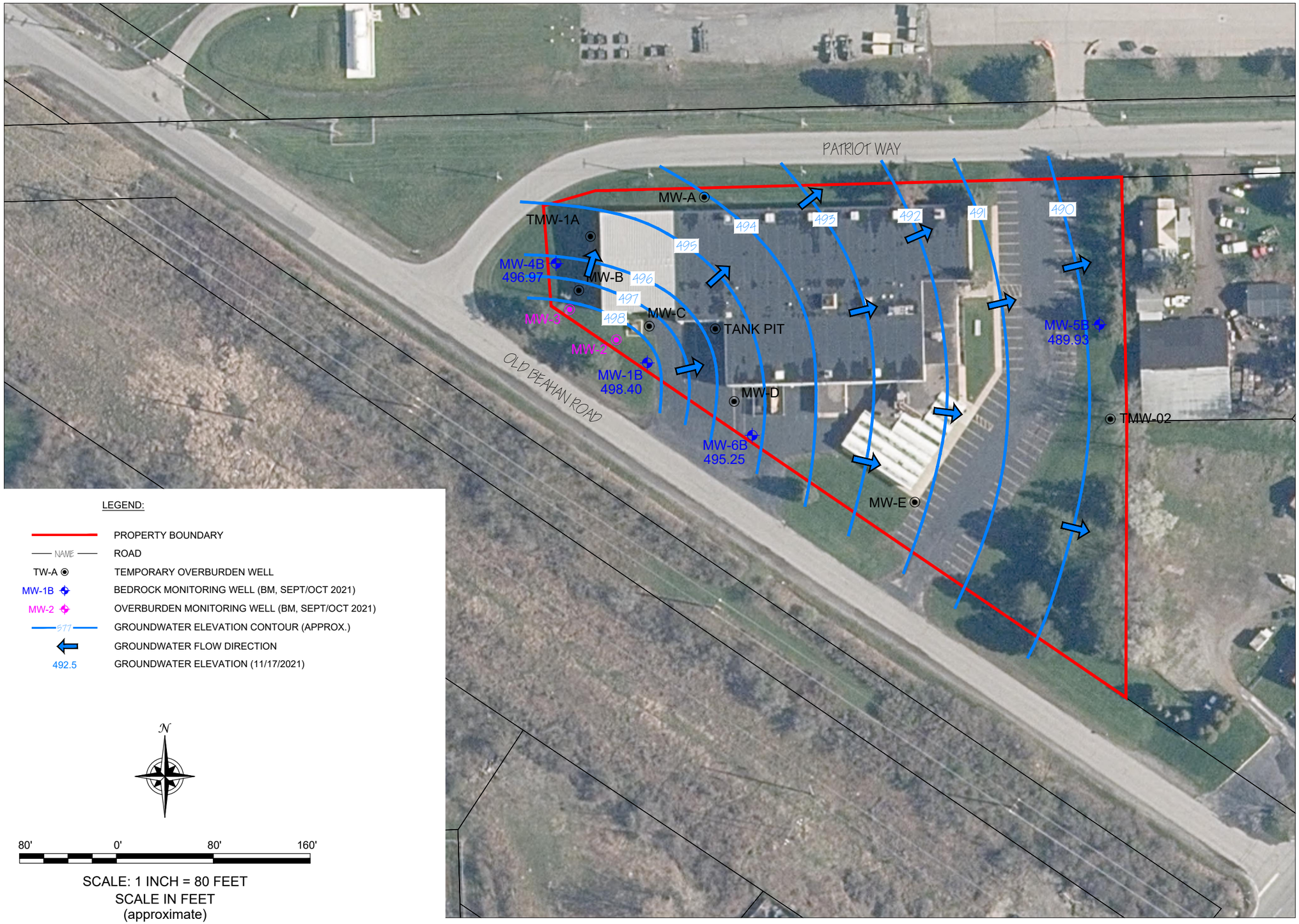
SHALLOW GROUNDWATER ISOPOTENTIAL MAP NOVEMBER 17, 2021

SUPPLEMENTAL GROUNDWATER INVESTIGATION

293 PATRIOT WAY
ROCHESTER, NEW YORK

PREPARED FOR
KADDIS MANUFACTURING CORPORATION

FIGURE 3



LEGEND:

- PROPERTY BOUNDARY
- NAME — ROAD
- TW-A — TEMPORARY OVERBURDEN WELL
- MW-1B — BEDROCK MONITORING WELL (BM, SEPT/OCT 2021)
- MW-2 — OVERBURDEN MONITORING WELL (BM, SEPT/OCT 2021)
- 577 — GROUNDWATER ELEVATION CONTOUR (APPROX.)
- GROUNDWATER FLOW DIRECTION
- 492.5 — GROUNDWATER ELEVATION (11/17/2021)

N

80' 0' 80' 160'

SCALE: 1 INCH = 80 FEET
SCALE IN FEET
(approximate)

DATE: NOVEMBER 2021
DRAFTED BY: BCH

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CIVIL/ENVIRONMENTAL
ENGINEERING &
GEOLOGY, PLLC
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

JOB NO.: B0127-021-001

BEDROCK GROUNDWATER ISOPOTENTIAL MAP
NOVEMBER 17, 2021

SUPPLEMENTAL GROUNDWATER INVESTIGATION

293 PATRIOT WAY
ROCHESTER, NEW YORK

PREPARED FOR
KADDIS MANUFACTURING CORPORATION

FIGURE 4

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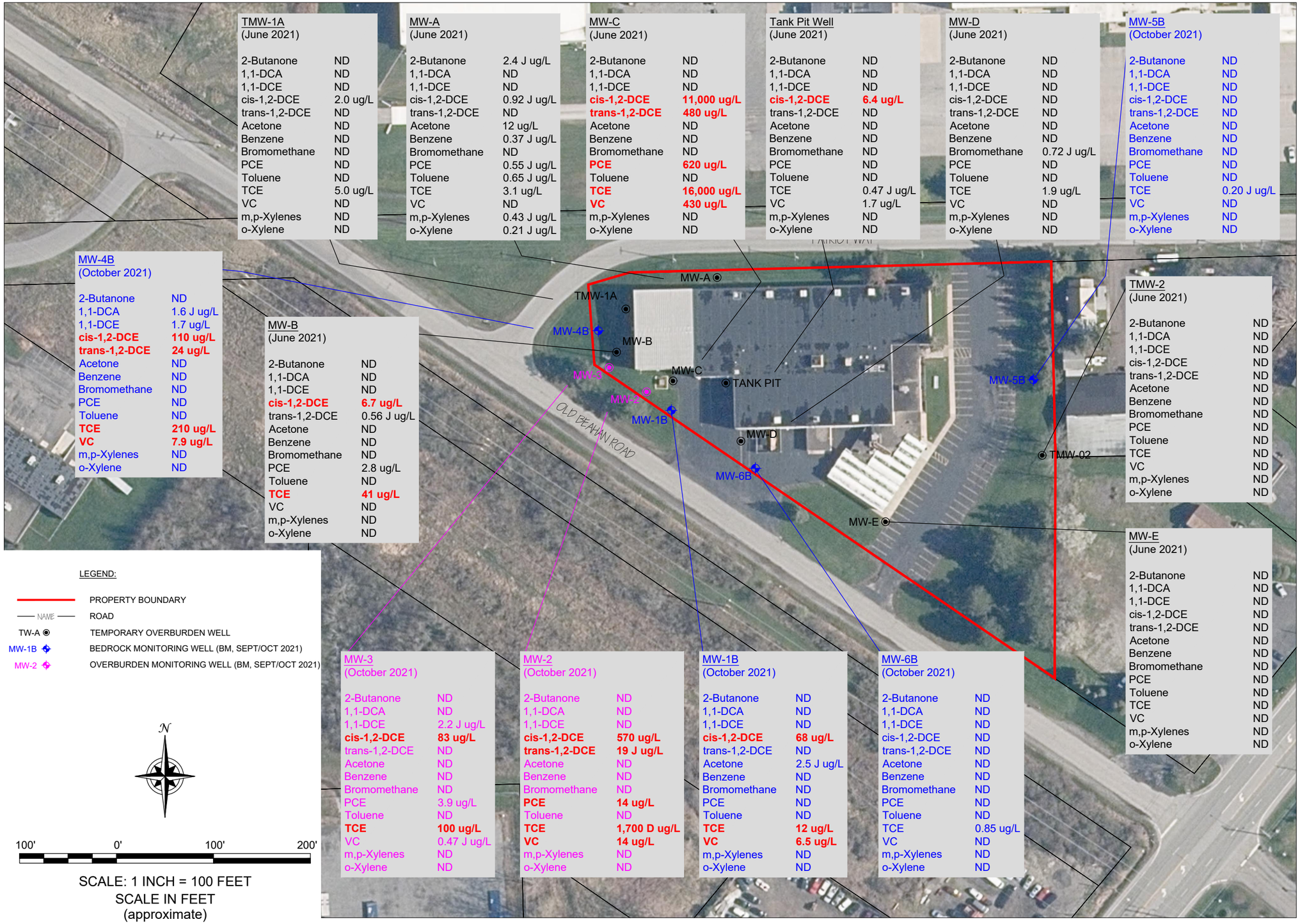

TMW-1A (June 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	2.0 ug/L
trans-1,2-DCE	ND
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	ND
Toluene	ND
TCE	5.0 ug/L
VC	ND
m,p-Xylenes	ND
o-Xylene	ND

MW-A (June 2021)

2-Butanone	2.4 J ug/L
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	0.92 J ug/L
trans-1,2-DCE	ND
Acetone	12 ug/L
Benzene	0.37 J ug/L
Bromomethane	ND
PCE	0.55 J ug/L
Toluene	0.65 J ug/L
TCE	3.1 ug/L
VC	ND
m,p-Xylenes	0.43 J ug/L
o-Xylene	0.21 J ug/L

MW-C (June 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	**11,000 ug/L**
trans-1,2-DCE	**480 ug/L**
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	**620 ug/L**
Toluene	ND
TCE	**16,000 ug/L**
VC	**430 ug/L**
m,p-Xylenes	ND
o-Xylene	ND

Tank Pit Well (June 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	**6.4 ug/L**
trans-1,2-DCE	ND
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	ND
Toluene	ND
TCE	0.47 J ug/L
VC	1.7 ug/L
m,p-Xylenes	ND
o-Xylene	ND

MW-D (June 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
Acetone	ND
Benzene	ND
Bromomethane	0.72 J ug/L
PCE	ND
Toluene	ND
TCE	1.9 ug/L
VC	ND
m,p-Xylenes	ND
o-Xylene	ND

MW-5B (October 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	ND
Toluene	ND
TCE	0.20 J ug/L
VC	ND
m,p-Xylenes	ND
o-Xylene	ND

MW-4B (October 2021)

2-Butanone	ND
1,1-DCA	1.6 J ug/L
1,1-DCE	1.7 ug/L
cis-1,2-DCE	**110 ug/L**
trans-1,2-DCE	**24 ug/L**
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	ND
Toluene	ND
TCE	**210 ug/L**
VC	**7.9 ug/L**
m,p-Xylenes	ND
o-Xylene	ND

MW-B (June 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	**6.7 ug/L**
trans-1,2-DCE	0.56 J ug/L
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	2.8 ug/L
Toluene	ND
TCE	**41 ug/L**
VC	ND
m,p-Xylenes	ND
o-Xylene	ND

TMW-2 (June 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	ND
Toluene	ND
TCE	ND
VC	ND
m,p-Xylenes	ND
o-Xylene	ND

MW-E (June 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	ND
Toluene	ND
TCE	ND
VC	ND
m,p-Xylenes	ND
o-Xylene	ND

MW-3 (October 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	2.2 J ug/L
cis-1,2-DCE	**83 ug/L**
trans-1,2-DCE	ND
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	3.9 ug/L
Toluene	ND
TCE	**100 ug/L**
VC	0.47 J ug/L
m,p-Xylenes	ND
o-Xylene	ND

MW-2 (October 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	**570 ug/L**
trans-1,2-DCE	**19 J ug/L**
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	**14 ug/L**
Toluene	ND
TCE	**1,700 D ug/L**
VC	**14 ug/L**
m,p-Xylenes	ND
o-Xylene	ND

MW-1B (October 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	**68 ug/L**
trans-1,2-DCE	ND
Acetone	2.5 J ug/L
Benzene	ND
Bromomethane	ND
PCE	ND
Toluene	ND
TCE	**12 ug/L**
VC	**6.5 ug/L**
m,p-Xylenes	ND
o-Xylene	ND

MW-6B (October 2021)

2-Butanone	ND
1,1-DCA	ND
1,1-DCE	ND
cis-1,2-DCE	ND
trans-1,2-DCE	ND
Acetone	ND
Benzene	ND
Bromomethane	ND
PCE	ND
Toluene	ND
TCE	0.85 ug/L
VC	ND
m,p-Xylenes	ND
o-Xylene	ND

LEGEND:

- PROPERTY BOUNDARY
- NAME — ROAD
- TW-A — TEMPORARY OVERBURDEN WELL
- MW-1B — BEDROCK MONITORING WELL (BM, SEPT/OCT 2021)
- MW-2 — OVERBURDEN MONITORING WELL (BM, SEPT/OCT 2021)

N

100' 0' 100' 200'

SCALE: 1 INCH = 100 FEET
SCALE IN FEET
(approximate)

DATE: NOVEMBER 2021
DRAFTED BY: BCH

BENCHMARK
CIVIL/ENVIRONMENTAL ENGINEERING & GEOLOGY, PLLC
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

JOB NO.: B0127-021-001

GROUNDWATER RESULTS

SUPPLEMENTAL GROUNDWATER INVESTIGATION

293 PATRIOT WAY
ROCHESTER, NEW YORK

PREPARED FOR

KADDIS MANUFACTURING CORPORATION

FIGURE 5

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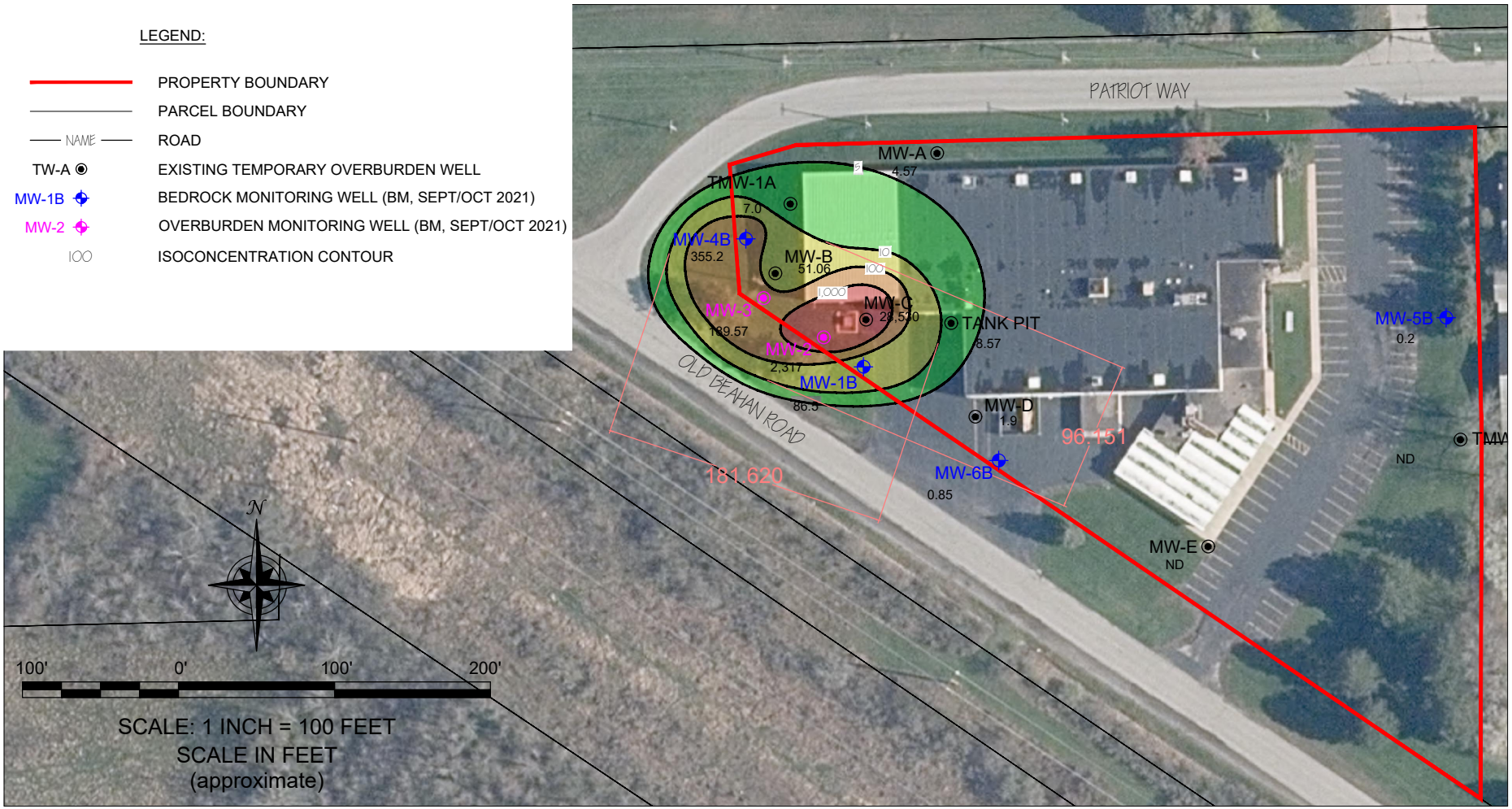

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SUITE 300
BUFFALO, NY 14218
(716) 856-0599

PROJECT NO.: B0127-021-001

DATE: NOVEMBER 2021

DRAFTED BY: BCH

ISOCONCENTRATION MAP - TOTAL cVOCS

SUPPLEMENTAL PHASE II INVESTIGATION

293 PATRIOT WAY SITE
ROCHESTER, NEW YORK

PREPARED FOR
KADDIS MANUFACTURING CORPORATION

FIGURE 6

ATTACHMENT 1

BOREHOLE LOGS

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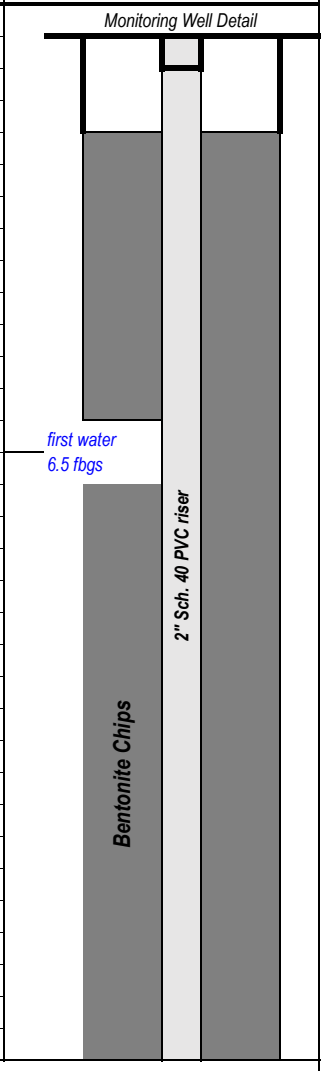
FIELD BOREHOLE LOG

PROJECT:	Kaddis - Supplemental Phase II Investigation	**Log of Boring No.:**	**MW-1B**
BORING LOCATION:	See Figure 2	ELEVATION AND DATUM:	NA
DRILLING CONTRACTOR:	Nothnagle Drilling, Inc.	DATE STARTED: 09/30/21	FINISHED: 09/30/21
DRILLING METHOD:	CME LC 55 Rear-Mounted Rig	TOTAL DEPTH: 48.0 fbgs	SCREEN: 37.4 - 47.4 fbgs
DRILLING EQUIPMENT:	4.25-inch Hollow Stem Auger	DEPTH TO WATER: FIRST: 6.5 fbgs; COMPL.: 7.35 fbgs	CASING: NA
SAMPLING METHOD:	2-inch x 4-foot core barrel	LOGGED BY: BCH	
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: Bryan C. Hann, PG	REG. NO. NY000270

Depth (fbgs)	SAMPLES: Field Sample No.	Lab Sample	Blows (per 6")	SPT N-Value	Recovery (ft)	Max. PID Scan (ppm)	SAMPLE DESCRIPTION (ASTM D2488)
							USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other
							SURFACE ELEVATION (FMSL): na
0							
1	S1	na	na	na	3.9	0.0	0.0 - 0.5 TOPSOIL 0.5 - 3.9 SANDY LEAN CLAY (CL) (CLAYEY TILL): Dark red/brown, moist, mostly low plasticity fines, little fine sand, trace coarse sand to fine sub-rounded gravel, firm
2							
3							
4	S2	4.0 - 6.5 fbgs	na	na	4.0	0.0	As above, some fine sand to coarse sand, little fine sub-rounded gravel, moist to wet (6.5 fbgs)
5							
6							
7		na					
8	S3	na	na	na	1.8	1.4	As above, wet
9							
10	S4	na	na	na	3.1	8.5	As above, wet
11							
12							12.0 - 14.0 CLAYEY SAND (SC) (CLAYEY TILL): Dark brown, wet, mostly fine sand, some low plasticity fines, little non-plastic fines, trace coarse to fine sub-rounded gravel, dense, slow dilatency
13							
14							
15	S5	na	na	na	2.5	0.0	As above, wet
16							

REMARKS



ABANDONMENT:

Volume of cement/bentonite grout required:	$V = \pi r^2 \times 7.48 =$ gallons	borehole depth =	ft.
Volume of cement/bentonite grout installed:	gallons	borehole diameter =	ft.
Has bridging of grout occurred? ☐ yes ☐ no		borehole radius =	ft.
If yes, explain resolution:			
Method of installation:			

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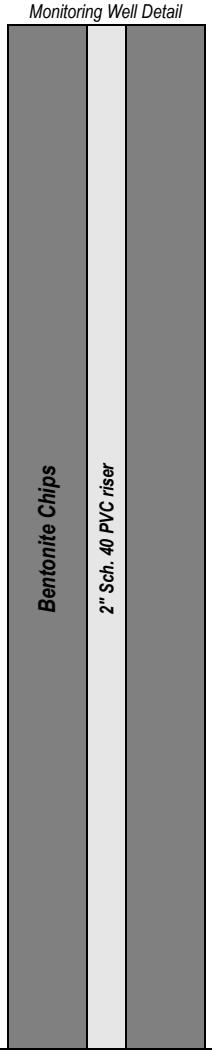
CIVIL/ENVIRONMENTAL ENGINEERING & GEOLOGY, PLLC

FIELD BOREHOLE LOG

PROJECT:	Kaddis - Supplemental Phase II Investigation	**Log of Boring No.:**	**MW-1B**
BORING LOCATION:	See Figure 2	ELEVATION AND DATUM:	NA
DRILLING CONTRACTOR:	Nothnagle Drilling, Inc.	DATE STARTED: 09/30/21	FINISHED: 09/30/21
DRILLING METHOD:	CME LC 55 Rear-Mounted Rig	TOTAL DEPTH: 48.0 fbgs	SCREEN: 37.4 - 47.4 fbgs
DRILLING EQUIPMENT:	4.25-inch Hollow Stem Auger	DEPTH TO WATER: FIRST: 6.5 fbgs; COMPL.: 7.35 fbgs	CASING: NA
SAMPLING METHOD:	2-inch x 4-foot core barrel	LOGGED BY:	BCH
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: Bryan C. Hann, PG	REG. NO. NY000270

Depth (fbgs)	SAMPLES: Field Sample No.	Lab Sample	Blows (per 6")	SPT N-Value	Recovery (ft)	Max. PID Scan (ppm)	SAMPLE DESCRIPTION (ASTM D2488)	REMARKS
							USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	
							SURFACE ELEVATION (FMSL): na	
16	S5						*(see page 1)*	
17							*Spoon refusal @ 16.5 fbgs*	
18							*Augered to 18.0 fbgs*	
19	S6	na	na	na	2.0	0.0	SILTY SAND (SM) (SANDY TILL): Dark grey, wet, mostly fine sand, little non-plastic fines, trace coarse to fine sub-rounded gravel, dense to hard	
20								
21	S7	na	na	na	1.6	0.0	As above, wet	
22								
23							*Augered to 24.0 fbgs*	
24								
25							As above, wet	
26	S8	na	na	na	3.4	2.7	26.3 - 26.8 POORLY GRADED SAND (SP): Dark grey, wet, mostly fine sand, trace non-plastic fines, dense, rapid dilatency	
27								
28							SILTY SAND (SM) (SANDY TILL): As above, wet, very dense	
29	S9	na	na	na	1.7	0.0	SILTY SAND w/ GRAVEL (SM) (SAND & GRAVEL TILL): Dark grey, wet, mostly fine sand to fine sub-rounded gravel, some non-plastic fines, hard	
30								
31	S10	na	na	na	1.4	0.0	As above, wet, very hard	
32								

Monitoring Well Detail



ABANDONMENT:

Volume of cement/bentonite grout required:	$V = \pi r^2 \times 7.48 =$ gallons	borehole depth =	ft.
Volume of cement/bentonite grout installed:	gallons	borehole diameter =	ft.
Has bridging of grout occurred? ☐ yes ☐ no		borehole radius =	ft.
If yes, explain resolution:			
Method of installation:			

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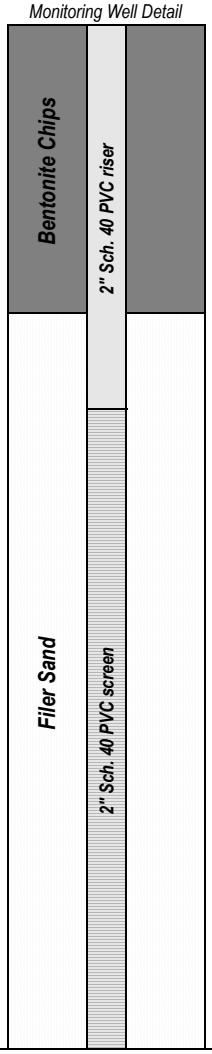
FIELD BOREHOLE LOG

PROJECT:	Kaddis - Supplemental Phase II Investigation	**Log of Boring No.:**	**MW-1B**
BORING LOCATION:	See Figure 2	ELEVATION AND DATUM:	NA
DRILLING CONTRACTOR:	Nothnagle Drilling, Inc.	DATE STARTED: 09/30/21	FINISHED: 09/30/21
DRILLING METHOD:	CME LC 55 Rear-Mounted Rig	TOTAL DEPTH: 48.0 fbgs	SCREEN: 37.4 - 47.4 fbgs
DRILLING EQUIPMENT:	4.25-inch Hollow Stem Auger	DEPTH TO WATER: FIRST: 6.5 fbgs; COMPL.: 7.35 fbgs	CASING: NA
SAMPLING METHOD:	2-inch x 4-foot core barrel	LOGGED BY: BCH	
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: Bryan C. Hann, PG	REG. NO. NY000270

Depth (fbgs)	Field Sample No.	Lab Sample	Blows (per 6")	SPT N-Value	Recovery (ft)	Max. PID Scan (ppm)	SAMPLE DESCRIPTION (ASTM D2488)
							USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other
							SURFACE ELEVATION (FMSL): na
32	S11	na	na	na	1.0	0.0	As above, wet to moist, very hard
33							
34							*Spoon refusal at 33.0 fbgs* *Augered to 35.0 fbgs*
35							
36	S12	na	na	na	1.3	0.0	As above, moist, very hard
37							*Auger refusal @ 38.0 fbgs (bedrock)*
38	RUN #1	na	na	na	5.0	0.0	*RUN #1: 38.0 - 43.0 fbgs* *Recovery: 5.0 ft / 5.0 ft = 100%* *RQD: 0.0 ft / 5.0 ft = 0%, Very Poor* *Lockport Dolomite Bedrock: Dark grey, highly fractured (horizontal), fossiliferous, vuggy, very hard*
43	RUN #2	na	na	na	5.0	0.0	*RUN #2: 43.0 - 48.0 fbgs* *Recovery: 5.0 ft 5.0 ft = 100%* *RQD: 3.1 ft / 5.0 ft = 62%, Fair* *Lockport Dolomite as above* *EOB @ 48.0 fbgs* *Installed flush-mount monitoring well MW-1B to 47.4 fbgs* *2-inch Sch. 40 PVC with 10-foot machine slotted screen (0.010-inch)*
48							

REMARKS

Monitoring Well Detail



ABANDONMENT:

Volume of cement/bentonite grout required:	$V = \pi r^2 \times 7.48 =$ gallons	borehole depth =	ft.
Volume of cement/bentonite grout installed:	gallons	borehole diameter =	ft.
Has bridging of grout occurred? ☐ yes ☐ no		borehole radius =	ft.
If yes, explain resolution:			
Method of installation:			

Project No: B0127-021-001 | **Benchmark Civil/Environmental Engineering & Geology, PLLC** | **MW-1B**

Project No: B0127-021-001

Borehole Number: MW-2

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs (ppm)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface					0 12.5 25		Flush Mount Casing
	0.0	0-0.5' Topsoil, loose, moist 0.5-4' Red/Brown Clay with some silt, low plasticity, dry	1		4		0.0		
	-4.0								
	4.0	0-1'Red /Brown Clay as above 1-4' Sandy Clay Brown, with trace rounded gravel, wet, soft at 2-3' medium density at 3-4'	2		4		0.0	Soil Sample collected	Bentonite Seal
5.0	-8.0								
	8.0	Fine Brown Sand with some angular gravel, loose when disturbed,moist to wet.	3		4		0.0		2-inch PVC Casing
10.0	-10.0								
	10.0	10-12' Brown Sand as above 12-14' Grey Fine Sand with Silt and Clay TILL, medium to hard density, trace sub-rounded gravel, moist	4		3.5		1.2 3.5		Sand Pack
	-14.0								
	14.0	TILL as above PID reading 42 ppm @ 15 '	5		2.5		>25.0		2-inch PVC Screen
15.0	-18.0						9.7		
	18.0	End of Borehole							
20.0									

Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 1,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 1 of 1

Project No: B0127-021-001

Borehole Number: MW-3

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

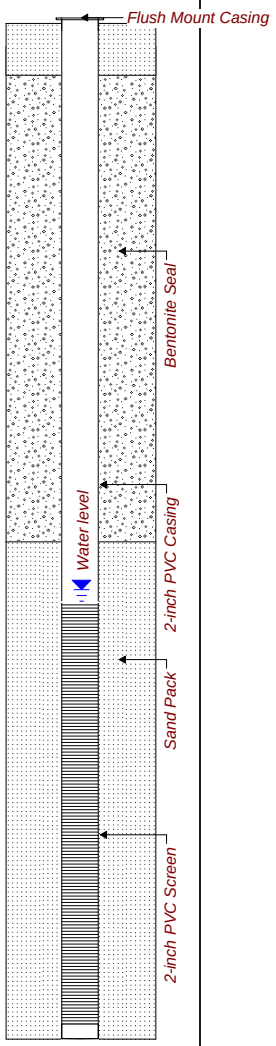
Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	0-0.5' Topsoil, brown loose, dry 0.5-2' Brown silty clay, with trace fine sand, dry 2-4' Red brown sily clay, very dense, dry	1		4		0.0		
	-4.0								
	4.0	0-3' Silty clay as above, dry 3-4' Fine brown sand with some clay, wet, trace angular gravel, medium density	2		4		0.0	Soil Sample collected	
5.0	-8.0								
	8.0	as above with sub rounded gravel, coarse gravel pieces up to 1inch diameter, soft, wet	3		1		0.0		
10.0	-10.0								
	10.0	10-13' wet fine sand with trace clay 13-14' grey sand with silt/clay TILL, trace angular gravel	4		3		0.0		
	-14.0								
	14.0	TILL as above, slightly moist,	5		2		0.0		
15.0							0.0		
	-18.0								
	18.0	End of Borehole							
20.0									



Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 1,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 1 of 1

Project No: B0127-021-001

Borehole Number: MW-4B

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

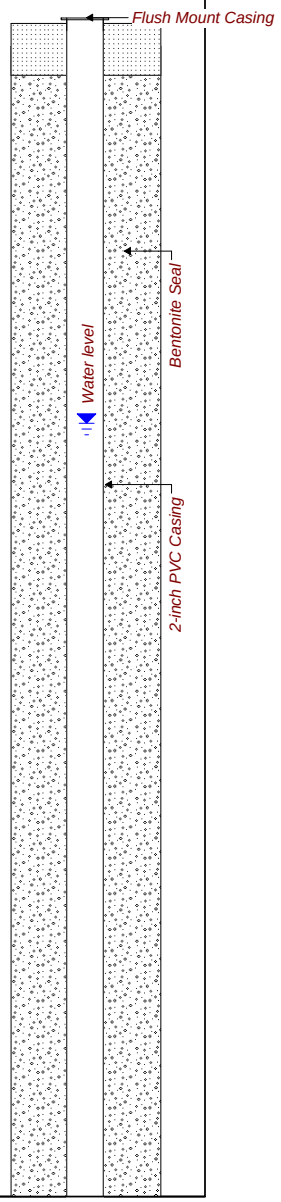
Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	0-0.5' Topsoil, brown loose, dry 0.5-3' Red brown silty clay moist, medium density, medium plasticity 3-4' Red sandy clay, trace silt, medium density loose when disturbed, slightly moist	1		4		0.0		
	-4.0 4.0	Red sandy clay wet at 7', increasing sand at 8'	2		2.5		0.0	Soil Sample collected	
5.0	-8.0 8.0	Red brown sandy clay, wet, loose when disturbed, trace angular gravel	3		1.5		0.0		
10.0	-10.0 10.0	0-1' red sandy clay as above wet 1-2.5' brown/grey fine sandy clay, moist with increasing subangular fine gravel	4		2.5		0.0		
	-14.0 14.0	grey Sandy clay (TILL) w ith subangular gravel wet/saturated	5		2.5		0.0		
15.0	-18.0 18.0	As above, moist	6		2		0.0		
20.0	-20.0 20.0						0.0		



Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 4,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 1 of 3

Project No: B0127-021-001

Borehole Number: MW-4B

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
		0-1.5' as above-wet 1.5-2.5- grey clayey silt, moist, dense	7		2.5		0.0 0.0		
	-24.0 24.0	grey fine sand with fine gravel							
25.0			8		1.5		0.0 0.0		
	-28.0 28.0	grey sandy clay, (TILL) very dense, wet							
	-29.0 29.0	as above	10		1		0.0		
	-30.0		9		0.5				
30.0	30.0	as above	11		1				
	-31.0 31.0	Till , sandy clay, grey w/ angular fine gravel, very dense, wet	12		1.5		0.0 0.0		
35.0			13		1.5		0.0		
	-35.5 35.5	As above with Top of rock at 38.5'	14		3.5		0.0 0.0		
	-38.5 38.5	***Bedrock*** Dolomite, fractured and weathered from 38.5-40.5', thinly laminated, dark grey							Top Of Rock Sand Pack
40.0									

Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 4,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 2 of 3

Project No: B0127-021-001

Borehole Number: MW-4B

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
45.0									2-inch PVC Screen
	-48.5 / 48.5	End of Borehole							
50.0									
55.0									
60.0									

Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 4,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 3 of 3

Project No: B0127-021-001

Borehole Number: MW-5B

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

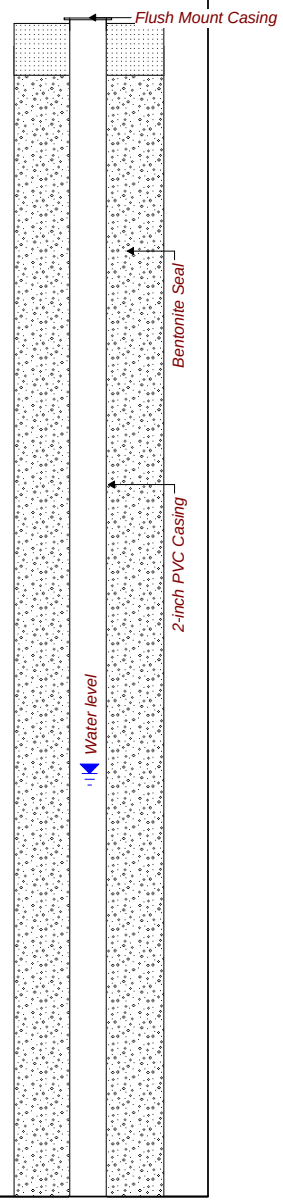
Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	0-0.1' Topsoil, brown loose, dry 1-4' Red brown silty clay ,dry, medium density, medium plasticity	1		4		0.0		
	-4.0 4.0	0-1.5' As above 1.5-4' brown sandy clay, wet, low plasticity,	2		4		0.0	Soil Sample collected	
5.0	-8.0 8.0	0-1' as above 1-2' Increasing clay with trace angular gravel, medium density	3		2		0.0		
10.0	-10.0 10.0	as above , moist/wet with fine angular gravel	4		3		0.0		
	-14.0 14.0	0-1' brown medium sand lense, with some fine gravel, wet 1-4' brown sandy clay , wet, with trace fine gravel	5		4		0.0		
15.0	-18.0 18.0	grey sandy clay with some silt, dense, wet	6		2		0.0		
20.0	-20.0 20.0						0.0		



Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 5,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 1 of 3

Project No: B0127-021-001

Borehole Number: MW-5B

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
		as above with coarse gravel piece at 24 '	7		2		0.0		
	-24.0 / 24.0	fine brown sandy clay, wet, gravel cobbles at 26 '	8		2		0.0		
25.0							0.0		
	-28.0 / 28.0	grey sandy clay (TILL) with weathered rock fragments, wet	9		0.25		0.0		
30.0			10		1		0.0		
	-31.0 / 31.0	as above, very dense, with coarse gravel pieces	11		2		0.0		
35.0			12		2		0.0		
	-38.0 / 38.0	as above, very hard	13		2		0.0		
40.0									

Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 5,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 2 of 3

Project No: B0127-021-001

Borehole Number: MW-5B

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
			13				0.0		
	-42.0						0.0		
	42.0	as above, Core refusal at 44.2 (top of rock)	14		2				
	-44.0								
	44.0	***Bedrock*** Bedrock- dolomite, dark grey, highly fractured 44-46' weathered, thinly laminated, moderately hard 46-49' less fractured, less weathered,							
45.0									
50.0									
	-54.0								
	54.0	End of Borehole							
55.0									
60.0									

Well Completion Details: *Top Of Rock*; *Sand Pack*; *2-inch PVC Screen*

Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 5,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 3 of 3

Project No: B0127-021-001

Borehole Number: MW-6B

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	0-0.75' Asphalt, crushed stone, dry 0.75-4' Red clay, dense, dry	1		4		0.0		
	-4.0								
	4.0	0-2' as above 2-4' red/brown clay, some silt, moist, medium density, less moisture at 8 '	2		4		0.0	Soil Sample collected	
5.0	-8.0								
	8.0	Brown sandy clay, with coarse gravel pieces up 3/4" dia, wet, soft	3		2		0.0		
10.0	-10.0								
	10.0	as above with trace fine gravel, wet.	4		2		0.0		
	-14.0								
	14.0	0-0.5' as above 0.5-3.5' grey sandy clay, soft, wet with trace fine angular gravel	5		3.5		0.0		
15.0	-18.0								
	18.0	Grey sandy clay (TILL) w/ medium angular gravel, loose when disturbed	6		2		0.0		
20.0	-20.0								
	20.0								

Flush Mount Casing
Bentonite Seal
Water level
2-inch PVC Casing

Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 6-7,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 1 of 3

Project No: B0127-021-001

Borehole Number: MW-6B

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
		Dense Till as above, wet,	7		3.75		0.0		
	-24.0 / 24.0	Till as above, wet	8		1		0.0		
25.0	-28.0 / 28.0	Till as above, wet	9		1.5		0.0		
30.0	-30.0 / 30.0	Till as above, wet	10		1		0.0		
	-34.0 / 34.0	Till as above with fragments of weathered rock	11		1		0.0		
35.0	-38.0 / 38.0	As above with top of rock at 39.5 '			1.5		0.0		
	-39.5 / 39.5								
40.0									

Top Of Rock

Sand Pack

Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 6-7,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 2 of 3

Project No: B0127-021-001

Borehole Number: MW-6B

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

Logged By: RLD

Site Location: Rochester, NY

Checked By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm 0 12.5 25	Lab Sample	Well Completion Details or Remarks
45.0		Dolomite, highly fractured,with some weathering, thinly laminated, dark grey, less fracturing from 44.5-49.5							2-inch PVC Screen
	-49.5								
50.0	49.5	End of Borehole							
55.0									
60.0									

Drilled By: Nothnagle Drilling
Drill Rig Type: CME
Drill Method: HSA/ Rock Core
Comments:
Drill Date(s): October 6-7,2021

Hole Size:
Stick-up: Flush Mount
Datum:

Sheet: 3 of 3

ATTACHMENT 2

ANALYTICAL DATA PACKAGES (SOIL & GROUNDWATER)

BENCHMARK

ANALYTICAL REPORT

Lab Number:	L2154540
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Tom Forbes
Phone:	(716) 856-0599
Project Name:	293 PATRIOT WAY
Project Number:	Not Specified
Report Date:	10/12/21

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2154540
Report Date: 10/12/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2154540-01	MW-1 4-6.5'	SOIL	ROCHESTER, NY	09/30/21 15:20	10/06/21
L2154540-02	MW-2 4-5'	SOIL	ROCHESTER, NY	10/06/21 10:04	10/06/21
L2154540-03	MW-3 6-7'	SOIL	ROCHESTER, NY	10/06/21 10:06	10/06/21
L2154540-04	MW-4BR 4-7'	SOIL	ROCHESTER, NY	10/06/21 10:07	10/06/21
L2154540-05	MW-5BR 4-5.5'	SOIL	ROCHESTER, NY	10/06/21 10:08	10/06/21
L2154540-06	BLIND DUP	SOIL	ROCHESTER, NY	10/06/21 10:09	10/06/21

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2154540
Project Number:	Not Specified	**Report Date:**	10/12/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2154540
Project Number:	Not Specified	**Report Date:**	10/12/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 10/12/21

ORGANICS

VOLATILES

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-01
Client ID: MW-1 4-6.5'
Sample Location: ROCHESTER, NY

Date Collected: 09/30/21 15:20
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/21 08:54
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.9	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.87	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1
Benzene	ND		ug/kg	0.62	0.21	1
Toluene	ND		ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1
Trichloroethene	0.35	J	ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-01
Client ID: MW-1 4-6.5'
Sample Location: ROCHESTER, NY
Date Collected: 09/30/21 15:20
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	18		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.7	1
2-Butanone	ND		ug/kg	12	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
Methyl Acetate	ND		ug/kg	5.0	1.2	1
Cyclohexane	ND		ug/kg	12	0.68	1
1,4-Dioxane	ND		ug/kg	100	44.	1
Freon-113	ND		ug/kg	5.0	0.86	1
Methyl cyclohexane	ND		ug/kg	5.0	0.75	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-02
Client ID: MW-2 4-5'
Sample Location: ROCHESTER, NY

Date Collected: 10/06/21 10:04
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/21 11:02
Analyst: MV
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	0.72		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-02
Client ID: MW-2 4-5'
Sample Location: ROCHESTER, NY
Date Collected: 10/06/21 10:04
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
Methyl Acetate	ND		ug/kg	4.0	0.95	1
Cyclohexane	ND		ug/kg	10	0.54	1
1,4-Dioxane	ND		ug/kg	80	35.	1
Freon-113	ND		ug/kg	4.0	0.69	1
Methyl cyclohexane	ND		ug/kg	4.0	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-03
Client ID: MW-3 6-7'
Sample Location: ROCHESTER, NY

Date Collected: 10/06/21 10:06
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/21 09:19
Analyst: MV
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	0.27	J	ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-03
Client ID: MW-3 6-7'
Sample Location: ROCHESTER, NY
Date Collected: 10/06/21 10:06
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
Methyl Acetate	ND		ug/kg	4.6	1.1	1
Cyclohexane	ND		ug/kg	12	0.63	1
1,4-Dioxane	ND		ug/kg	93	41.	1
Freon-113	ND		ug/kg	4.6	0.81	1
Methyl cyclohexane	ND		ug/kg	4.6	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-04
Client ID: MW-4BR 4-7'
Sample Location: ROCHESTER, NY

Date Collected: 10/06/21 10:07
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/21 09:45
Analyst: MV
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.15	1
Benzene	ND		ug/kg	0.47	0.15	1
Toluene	ND		ug/kg	0.93	0.51	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	0.35	J	ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1

Project Name: 293 PATRIOT WAY
Lab Number: L2154540
Project Number: Not Specified
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-04
Client ID: MW-4BR 4-7'
Sample Location: ROCHESTER, NY
Date Collected: 10/06/21 10:07
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	ND		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
Methyl Acetate	ND		ug/kg	3.7	0.88	1
Cyclohexane	ND		ug/kg	9.3	0.51	1
1,4-Dioxane	ND		ug/kg	74	33.	1
Freon-113	ND		ug/kg	3.7	0.65	1
Methyl cyclohexane	ND		ug/kg	3.7	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-05
Client ID: MW-5BR 4-5.5'
Sample Location: ROCHESTER, NY

Date Collected: 10/06/21 10:08
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/21 10:11
Analyst: MV
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-05
Client ID: MW-5BR 4-5.5'
Sample Location: ROCHESTER, NY
Date Collected: 10/06/21 10:08
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	84	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
Methyl cyclohexane	ND		ug/kg	4.2	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	94		70-130

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-06
Client ID: BLIND DUP
Sample Location: ROCHESTER, NY
Date Collected: 10/06/21 10:09
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/12/21 10:36
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.2	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.87	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1
Benzene	ND		ug/kg	0.62	0.21	1
Toluene	ND		ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1
Trichloroethene	0.30	J	ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-06
Client ID: BLIND DUP
Sample Location: ROCHESTER, NY
Date Collected: 10/06/21 10:09
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.7	1
2-Butanone	ND		ug/kg	12	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
Methyl Acetate	ND		ug/kg	5.0	1.2	1
Cyclohexane	ND		ug/kg	12	0.68	1
1,4-Dioxane	ND		ug/kg	100	44.	1
Freon-113	ND		ug/kg	5.0	0.87	1
Methyl cyclohexane	ND		ug/kg	5.0	0.75	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/12/21 07:12
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1557612-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/12/21 07:12
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1557612-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2154540
Report Date: 10/12/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/12/21 07:12
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1557612-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2154540
Report Date: 10/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1557612-3 WG1557612-4								
Methylene chloride	90		87		70-130	3		30
1,1-Dichloroethane	110		108		70-130	2		30
Chloroform	90		87		70-130	3		30
Carbon tetrachloride	93		89		70-130	4		30
1,2-Dichloropropane	114		112		70-130	2		30
Dibromochloromethane	109		103		70-130	6		30
1,1,2-Trichloroethane	102		97		70-130	5		30
Tetrachloroethene	103		98		70-130	5		30
Chlorobenzene	100		96		70-130	4		30
Trichlorofluoromethane	78		74		70-139	5		30
1,2-Dichloroethane	102		100		70-130	2		30
1,1,1-Trichloroethane	93		90		70-130	3		30
Bromodichloromethane	95		92		70-130	3		30
trans-1,3-Dichloropropene	104		100		70-130	4		30
cis-1,3-Dichloropropene	104		101		70-130	3		30
Bromoform	112		107		70-130	5		30
1,1,2,2-Tetrachloroethane	104		99		70-130	5		30
Benzene	96		93		70-130	3		30
Toluene	99		94		70-130	5		30
Ethylbenzene	99		95		70-130	4		30
Chloromethane	106		102		52-130	4		30
Bromomethane	69		66		57-147	4		30
Vinyl chloride	88		86		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: Not Specified

Lab Number: L2154540

Report Date: 10/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1557612-3 WG1557612-4								
Chloroethane	81		79		50-151	3		30
1,1-Dichloroethene	93		89		65-135	4		30
trans-1,2-Dichloroethene	96		94		70-130	2		30
Trichloroethene	94		91		70-130	3		30
1,2-Dichlorobenzene	110		106		70-130	4		30
1,3-Dichlorobenzene	111		106		70-130	5		30
1,4-Dichlorobenzene	107		104		70-130	3		30
Methyl tert butyl ether	87		84		66-130	4		30
p/m-Xylene	102		98		70-130	4		30
o-Xylene	101		98		70-130	3		30
cis-1,2-Dichloroethene	96		93		70-130	3		30
Styrene	102		98		70-130	4		30
Dichlorodifluoromethane	60		56		30-146	7		30
Acetone	118		112		54-140	5		30
Carbon disulfide	76		74		59-130	3		30
2-Butanone	99		91		70-130	8		30
4-Methyl-2-pentanone	127		120		70-130	6		30
2-Hexanone	119		108		70-130	10		30
Bromochloromethane	101		96		70-130	5		30
1,2-Dibromoethane	97		94		70-130	3		30
1,2-Dibromo-3-chloropropane	96		90		68-130	6		30
Isopropylbenzene	105		102		70-130	3		30
1,2,3-Trichlorobenzene	110		108		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: Not Specified

Lab Number: L2154540

Report Date: 10/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1557612-3 WG1557612-4								
1,2,4-Trichlorobenzene	117		115		70-130	2		30
Methyl Acetate	111		107		51-146	4		30
Cyclohexane	110		107		59-142	3		30
1,4-Dioxane	104		99		65-136	5		30
Freon-113	90		88		50-139	2		30
Methyl cyclohexane	87		85		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	96		97		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: Not Specified

Lab Number: L2154540

Report Date: 10/12/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1557612-6 WG1557612-7 QC Sample: L2154540-02 Client ID: MW-2 4-5'												
Methylene chloride	ND	116	58	**50**	Q	60	**62**	Q	70-130	2		30
1,1-Dichloroethane	ND	116	79	**68**	Q	82	86		70-130	4		30
Chloroform	ND	116	61	**53**	Q	64	**67**	Q	70-130	4		30
Carbon tetrachloride	ND	116	75	**65**	Q	80	84		70-130	6		30
1,2-Dichloropropane	ND	116	74	**64**	Q	76	80		70-130	3		30
Dibromochloromethane	ND	116	62	**53**	Q	65	**68**	Q	70-130	5		30
1,1,2-Trichloroethane	ND	116	58	**50**	Q	60	**63**	Q	70-130	4		30
Tetrachloroethene	ND	116	71	**61**	Q	76	80		70-130	7		30
Chlorobenzene	ND	116	60	**52**	Q	63	**66**	Q	70-130	5		30
Trichlorofluoromethane	ND	116	66	**57**	Q	70	73		70-139	6		30
1,2-Dichloroethane	ND	116	62	**54**	Q	64	**66**	Q	70-130	2		30
1,1,1-Trichloroethane	ND	116	72	**62**	Q	76	79		70-130	5		30
Bromodichloromethane	ND	116	58	**50**	Q	61	**64**	Q	70-130	5		30
trans-1,3-Dichloropropene	ND	116	59	**51**	Q	62	**64**	Q	70-130	4		30
cis-1,3-Dichloropropene	ND	116	63	**54**	Q	65	**68**	Q	70-130	3		30
Bromoform	ND	116	61	**53**	Q	65	**68**	Q	70-130	6		30
1,1,2,2-Tetrachloroethane	ND	116	55	**47**	Q	58	**60**	Q	70-130	5		30
Benzene	ND	116	66	**57**	Q	69	72		70-130	4		30
Toluene	ND	116	65	**56**	Q	69	72		70-130	6		30
Ethylbenzene	ND	116	63	**54**	Q	67	70		70-130	7		30
Chloromethane	ND	116	82	71		86	90		52-130	5		30
Bromomethane	ND	116	45	**39**	Q	47	**50**	Q	57-147	4		30
Vinyl chloride	ND	116	73	**63**	Q	76	80		67-130	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: Not Specified

Lab Number: L2154540

Report Date: 10/12/21

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1557612-6 WG1557612-7 QC Sample: L2154540-02 Client ID: MW-2 4-5'												
Chloroethane	ND	116	56	**48**	Q	59	62		50-151	5		30
1,1-Dichloroethene	ND	116	75	65		80	83		65-135	6		30
trans-1,2-Dichloroethene	ND	116	71	**61**	Q	74	78		70-130	4		30
Trichloroethene	0.72	116	69	**59**	Q	72	74		70-130	4		30
1,2-Dichlorobenzene	ND	116	55	**48**	Q	58	**61**	Q	70-130	5		30
1,3-Dichlorobenzene	ND	116	57	**50**	Q	60	**63**	Q	70-130	5		30
1,4-Dichlorobenzene	ND	116	55	**47**	Q	57	**60**	Q	70-130	5		30
Methyl tert butyl ether	ND	116	49	**43**	Q	51	**53**	Q	66-130	3		30
p/m-Xylene	ND	231	130	**55**	Q	140	71		70-130	5		30
o-Xylene	ND	231	120	**53**	Q	130	**68**	Q	70-130	6		30
cis-1,2-Dichloroethene	ND	116	65	**57**	Q	67	70		70-130	3		30
Styrene	ND	231	120	**51**	Q	120	**64**	Q	70-130	5		30
Dichlorodifluoromethane	ND	116	51	44		55	58		30-146	7		30
Acetone	ND	116	71	62		73	76		54-140	3		30
Carbon disulfide	ND	116	61	**52**	Q	64	67		59-130	5		30
2-Butanone	ND	116	55	**48**	Q	60	**63**	Q	70-130	8		30
4-Methyl-2-pentanone	ND	116	68	**59**	Q	71	75		70-130	5		30
2-Hexanone	ND	116	61	**53**	Q	65	**68**	Q	70-130	6		30
Bromochloromethane	ND	116	61	**53**	Q	61	**64**	Q	70-130	0		30
1,2-Dibromoethane	ND	116	55	**47**	Q	57	**59**	Q	70-130	3		30
1,2-Dibromo-3-chloropropane	ND	116	49	**43**	Q	52	**55**	Q	68-130	6		30
Isopropylbenzene	ND	116	66	**57**	Q	72	75		70-130	8		30
1,2,3-Trichlorobenzene	ND	116	44	**38**	Q	46	**48**	Q	70-130	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: Not Specified

Lab Number: L2154540

Report Date: 10/12/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1557612-6 WG1557612-7 QC Sample: L2154540-02 Client ID: MW-2 4-5'												
1,2,4-Trichlorobenzene	ND	116	48	**41**	Q	49	**52**	Q	70-130	4		30
Methyl Acetate	ND	116	92	79		98	103		51-146	7		30
Cyclohexane	ND	116	95	82		100	105		59-142	5		30
1,4-Dioxane	ND	5780	6600	114		6200	129		65-136	7		30
Freon-113	ND	116	79	68		85	89		50-139	7		30
Methyl cyclohexane	ND	116	71	**61**	Q	75	78		70-130	6		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		102		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	99		98		70-130
Toluene-d8	98		99		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-01
Client ID: MW-1 4-6.5'
Sample Location: ROCHESTER, NY

Date Collected: 09/30/21 15:20
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.7		%	0.100	NA	1	-	10/09/21 12:46	121,2540G	RI

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-02
Client ID: MW-2 4-5'
Sample Location: ROCHESTER, NY

Date Collected: 10/06/21 10:04
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.3		%	0.100	NA	1	-	10/09/21 12:46	121,2540G	RI

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-03
Client ID: MW-3 6-7'
Sample Location: ROCHESTER, NY

Date Collected: 10/06/21 10:06
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	10/09/21 12:46	121,2540G	RI

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-04
Client ID: MW-4BR 4-7'
Sample Location: ROCHESTER, NY

Date Collected: 10/06/21 10:07
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	10/09/21 12:46	121,2540G	RI

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-05
Client ID: MW-5BR 4-5.5'
Sample Location: ROCHESTER, NY

Date Collected: 10/06/21 10:08
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	10/09/21 12:46	121,2540G	RI

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2154540
Report Date: 10/12/21

SAMPLE RESULTS

Lab ID: L2154540-06
Client ID: BLIND DUP
Sample Location: ROCHESTER, NY

Date Collected: 10/06/21 10:09
Date Received: 10/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.1		%	0.100	NA	1	-	10/09/21 12:46	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: Not Specified

Lab Number: L2154540

Report Date: 10/12/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1556592-1 QC Sample: L2154540-02 Client ID: MW-2 4-5'						
Solids, Total	74.3	74.4	%	0		20

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2154540
Report Date: 10/12/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2154540-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2154540-01X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2154540-01Y	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-01Z	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-02A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2154540-02A1	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2154540-02A2	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2154540-02X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2154540-02Y	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-02Y1	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-02Y2	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-02Z	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-02Z1	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-02Z2	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-03A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2154540-03X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2154540-03Y	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-03Z	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-04A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2154540-04X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2154540-04Y	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-04Z	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-05A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2154540
Report Date: 10/12/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2154540-05X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2154540-05Y	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-05Z	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-06A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2154540-06X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2154540-06Y	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)
L2154540-06Z	Vial Water preserved split	A	NA		2.4	Y	Absent	**11-OCT-21 20:53**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2154540
Project Number:	Not Specified	**Report Date:**	10/12/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2154540
Project Number:	Not Specified	**Report Date:**	10/12/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2154540
Project Number:	Not Specified	**Report Date:**	10/12/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2154540
Project Number:	Not Specified	**Report Date:**	10/12/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/7/21

ALPHA Job #: L2154540

Client Information
Client: Benchmark Env Engg PLLC
Address: 2558 Hamburg Turnpike
BUFFALO NY 14218
Phone: 716-856-0599
Fax:
Email:

Project Information
Project Name: 293 Patroit Way
Project Location: Rochester NY
Project #
(Use Project name as Project #) ☐
Project Manager: Tom Forbes
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
CAT "B" DELIVERABLES

Please specify Metals or TAL.

ANALYSIS
VOCs 8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	Sample Specific Comments
54540 01	MW-1 4-6.5'	9/30/21	1520	SOIL	BGH	✓	
02	MW-2 4-5'	10/6/21	1004		RLD	✓	
03	MW-3 6-7'	10/6/21	1006		RLD	✓	
04	MW 4BR 4-7	10/6/21	1007		RLD	✓	
05	MW 5BR 4-5.5'	10/6/21	1009		RLD	✓	
06	BLIND DUP	10/6/21	1004		RLD	✓	
02	MS MW-2 4-5	10/6/21	1007		RLD	✓	
02	MSD MW-2 4-5'	10/6/21	1007		RLD	✓	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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	A
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
	10/6/21 1315	R Cushman AAL	10/6/21 13:15
R Cushman AAL	10/6/21 1314		10/7/21 01:30

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2156314
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Tom Forbes
Phone:	(716) 856-0599
Project Name:	293 PATRIOT WAY
Project Number:	Not Specified
Report Date:	10/21/21

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2156314
Report Date: 10/21/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2156314-01	MW-6BR 5-8'	SOIL	ROCHESTER, NY	10/07/21 15:00	10/14/21

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156314
Project Number:	Not Specified	**Report Date:**	10/21/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156314
Project Number:	Not Specified	**Report Date:**	10/21/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 10/21/21

ORGANICS

VOLATILES

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2156314
Report Date: 10/21/21

SAMPLE RESULTS

Lab ID: L2156314-01
Client ID: MW-6BR 5-8'
Sample Location: ROCHESTER, NY
Date Collected: 10/07/21 15:00
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/21 22:54
Analyst: JC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2156314
Report Date: 10/21/21

SAMPLE RESULTS

Lab ID: L2156314-01
Client ID: MW-6BR 5-8'
Sample Location: ROCHESTER, NY
Date Collected: 10/07/21 15:00
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
Methyl Acetate	ND		ug/kg	4.7	1.1	1
Cyclohexane	ND		ug/kg	12	0.64	1
1,4-Dioxane	ND		ug/kg	95	42.	1
Freon-113	ND		ug/kg	4.7	0.82	1
Methyl cyclohexane	ND		ug/kg	4.7	0.71	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2156314
Report Date: 10/21/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/21 22:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1560865-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2156314
Report Date: 10/21/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/21 22:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1560865-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 293 PATRIOT WAY
Project Number: Not Specified
Lab Number: L2156314
Report Date: 10/21/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/21 22:28
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1560865-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2156314
Report Date: 10/21/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1560865-3 WG1560865-4								
Methylene chloride	86		97		70-130	12		30
1,1-Dichloroethane	87		102		70-130	16		30
Chloroform	90		104		70-130	14		30
Carbon tetrachloride	87		106		70-130	20		30
1,2-Dichloropropane	90		102		70-130	13		30
Dibromochloromethane	89		95		70-130	7		30
1,1,2-Trichloroethane	94		100		70-130	6		30
Tetrachloroethene	91		108		70-130	17		30
Chlorobenzene	92		103		70-130	11		30
Trichlorofluoromethane	82		102		70-139	22		30
1,2-Dichloroethane	89		98		70-130	10		30
1,1,1-Trichloroethane	89		106		70-130	17		30
Bromodichloromethane	93		105		70-130	12		30
trans-1,3-Dichloropropene	87		95		70-130	9		30
cis-1,3-Dichloropropene	87		98		70-130	12		30
Bromoform	89		95		70-130	7		30
1,1,2,2-Tetrachloroethane	92		98		70-130	6		30
Benzene	88		104		70-130	17		30
Toluene	89		104		70-130	16		30
Ethylbenzene	92		106		70-130	14		30
Chloromethane	73		90		52-130	21		30
Bromomethane	76		87		57-147	13		30
Vinyl chloride	77		94		67-130	20		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: Not Specified

Lab Number: L2156314

Report Date: 10/21/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1560865-3 WG1560865-4								
Chloroethane	80		96		50-151	18		30
1,1-Dichloroethene	85		105		65-135	21		30
trans-1,2-Dichloroethene	87		105		70-130	19		30
Trichloroethene	91		107		70-130	16		30
1,2-Dichlorobenzene	93		104		70-130	11		30
1,3-Dichlorobenzene	92		104		70-130	12		30
1,4-Dichlorobenzene	91		101		70-130	10		30
Methyl tert butyl ether	96		103		66-130	7		30
p/m-Xylene	95		110		70-130	15		30
o-Xylene	96		110		70-130	14		30
cis-1,2-Dichloroethene	89		103		70-130	15		30
Styrene	100		113		70-130	12		30
Dichlorodifluoromethane	78		96		30-146	21		30
Acetone	90		96		54-140	6		30
Carbon disulfide	79		98		59-130	21		30
2-Butanone	82		86		70-130	5		30
4-Methyl-2-pentanone	80		84		70-130	5		30
2-Hexanone	79		80		70-130	1		30
Bromochloromethane	91		100		70-130	9		30
1,2-Dibromoethane	88		95		70-130	8		30
1,2-Dibromo-3-chloropropane	82		86		68-130	5		30
Isopropylbenzene	96		111		70-130	14		30
1,2,3-Trichlorobenzene	96		104		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: Not Specified

Lab Number: L2156314

Report Date: 10/21/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1560865-3 WG1560865-4								
1,2,4-Trichlorobenzene	95		104		70-130	9		30
Methyl Acetate	82		86		51-146	5		30
Cyclohexane	86		104		59-142	19		30
1,4-Dioxane	78		79		65-136	1		30
Freon-113	88		106		50-139	19		30
Methyl cyclohexane	90		108		70-130	18		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	97		98		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2156314
Report Date: 10/21/21

SAMPLE RESULTS

Lab ID: L2156314-01
Client ID: MW-6BR 5-8'
Sample Location: ROCHESTER, NY

Date Collected: 10/07/21 15:00
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-	10/16/21 13:18	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: Not Specified

Lab Number: L2156314

Report Date: 10/21/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1559468-1 QC Sample: L2156700-01 Client ID: DUP Sample						
Solids, Total	65.3	66.8	%	2		20

Project Name: 293 PATRIOT WAY
Project Number: Not Specified

Lab Number: L2156314
Report Date: 10/21/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156314-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2156314-01X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2156314-01Y	Vial Water preserved split	A	NA		2.8	Y	Absent	**19-OCT-21 05:52**	NYTCL-8260-R2(14)
L2156314-01Z	Vial Water preserved split	A	NA		2.8	Y	Absent	**19-OCT-21 05:52**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156314
Project Number:	Not Specified	**Report Date:**	10/21/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156314
Project Number:	Not Specified	**Report Date:**	10/21/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156314
Project Number:	Not Specified	**Report Date:**	10/21/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156314
Project Number:	Not Specified	**Report Date:**	10/21/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/15/21

ALPHA Job #: L2156314

Client Information
Client: Benchmark Env Eng PLLC
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: 716-856-0599
Fax:
Email:

Project Information
Project Name: 293 Patriot Way
Project Location: Rochester NY
Project #
(Use Project name as Project #) ☐
Project Manager: Tom Forbes
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC 8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Sample Specific Comments
56314 01	MW-68R 5-8'	10/12/21	1300	SOIL	RLP	✓	

Container Type: A
Preservative: A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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

Relinquished By:	Date/Time	Received By:	Date/Time
	10/14/21 0830	AAL	10/14 1400
AAL	10/14/21 1527		10/14/21 01:20

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2156436
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Tom Forbes
Phone:	(716) 856-0599
Project Name:	293 PATRIOT WAY
Project Number:	B0127-021-001
Report Date:	10/18/21

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156436
Report Date: 10/18/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2156436-01	MW-1B	WATER	ROCHESTER NY	10/14/21 11:00	10/14/21
L2156436-02	MW-2	WATER	ROCHESTER NY	10/14/21 10:00	10/14/21
L2156436-03	MW-3	WATER	ROCHESTER NY	10/14/21 13:05	10/14/21
L2156436-04	MW-4 BR	WATER	ROCHESTER NY	10/14/21 14:20	10/14/21
L2156436-05	MW-6B	WATER	ROCHESTER NY	10/14/21 15:00	10/14/21
L2156436-06	BD	WATER	ROCHESTER NY	10/14/21 14:30	10/14/21

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156436
Project Number:	B0127-021-001	**Report Date:**	10/18/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156436
Project Number:	B0127-021-001	**Report Date:**	10/18/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2156436-04: The sample identified as "MW-4B" on the chain of custody was identified as "MW-4BR" on the container label. At the client's request, the sample is reported as "MW-4 BR".

Volatile Organics

L2156436-05 and WG1559228-6/-7: The pH of the sample was greater than two; however, the sample was analyzed within the method required holding time.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 10/18/21

ORGANICS

VOLATILES

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-01
Client ID: MW-1B
Sample Location: ROCHESTER NY

Date Collected: 10/14/21 11:00
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/15/21 12:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	6.5		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	12		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-01
Client ID: MW-1B
Sample Location: ROCHESTER NY
Date Collected: 10/14/21 11:00
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	68		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-02 D2
Client ID: MW-2
Sample Location: ROCHESTER NY

Date Collected: 10/14/21 10:00
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/16/21 17:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1700		ug/l	25	8.8	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-02 D
Client ID: MW-2
Sample Location: ROCHESTER NY

Date Collected: 10/14/21 10:00
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/15/21 13:43
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	14		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	14		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	19	J	ug/l	25	7.0	10
Trichloroethene	2100	E	ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: 293 PATRIOT WAY **Lab Number:** L2156436

Project Number: B0127-021-001 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-02 D Date Collected: 10/14/21 10:00
Client ID: MW-2 Date Received: 10/14/21
Sample Location: ROCHESTER NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	570		ug/l	25	7.0	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
Methyl Acetate	ND		ug/l	20	2.3	10
Cyclohexane	ND		ug/l	100	2.7	10
1,4-Dioxane	ND		ug/l	2500	610	10
Freon-113	ND		ug/l	25	7.0	10
Methyl cyclohexane	ND		ug/l	100	4.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-03
Client ID: MW-3
Sample Location: ROCHESTER NY

Date Collected: 10/14/21 13:05
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/15/21 13:02
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	3.9		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.47	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.18	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	2.2	J	ug/l	2.5	0.70	1
Trichloroethene	100		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-03
Client ID: MW-3
Sample Location: ROCHESTER NY
Date Collected: 10/14/21 13:05
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	83		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-04 D
Client ID: MW-4 BR
Sample Location: ROCHESTER NY

Date Collected: 10/14/21 14:20
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/15/21 14:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	1.6	J	ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	7.9		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	1.7		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	24		ug/l	5.0	1.4	2
Trichloroethene	210		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-04 D
Client ID: MW-4 BR
Sample Location: ROCHESTER NY
Date Collected: 10/14/21 14:20
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	110		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-05
Client ID: MW-6B
Sample Location: ROCHESTER NY

Date Collected: 10/14/21 15:00
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/15/21 13:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.85		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-05
Client ID: MW-6B
Sample Location: ROCHESTER NY
Date Collected: 10/14/21 15:00
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-06 D
Client ID: BD
Sample Location: ROCHESTER NY

Date Collected: 10/14/21 14:30
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/15/21 14:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	1.6	J	ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	8.3		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	1.7		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	24		ug/l	5.0	1.4	2
Trichloroethene	210		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: 293 PATRIOT WAY **Lab Number:** L2156436

Project Number: B0127-021-001 **Report Date:** 10/18/21

SAMPLE RESULTS

Lab ID: L2156436-06 D Date Collected: 10/14/21 14:30
Client ID: BD Date Received: 10/14/21
Sample Location: ROCHESTER NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	110		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/15/21 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1559228-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/15/21 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1559228-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/15/21 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1559228-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/21 11:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1559811-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/21 11:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1559811-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156436
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/21 11:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1559811-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156436
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1559228-3 WG1559228-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	89		92		63-132	3		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	80		85		63-130	6		20
1,1,2-Trichloroethane	97		98		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	90		95		67-130	5		20
trans-1,3-Dichloropropene	78		86		70-130	10		20
cis-1,3-Dichloropropene	85		90		70-130	6		20
Bromoform	71		81		54-136	13		20
1,1,2,2-Tetrachloroethane	94		99		67-130	5		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	110		100		64-130	10		20
Bromomethane	110		110		39-139	0		20
Vinyl chloride	97		95		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: B0127-021-001

Lab Number: L2156436

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1559228-3 WG1559228-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	96		98		63-130	2		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	86		82		36-147	5		20
Acetone	90		98		58-148	9		20
Carbon disulfide	98		99		51-130	1		20
2-Butanone	95		94		63-138	1		20
4-Methyl-2-pentanone	83		82		59-130	1		20
2-Hexanone	82		88		57-130	7		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	79		84		41-144	6		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	88		90		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156436
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1559228-3 WG1559228-4								
1,2,4-Trichlorobenzene	98		96		70-130	2		20
Methyl Acetate	84		86		70-130	2		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	122		110		56-162	10		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	98		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156436
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1559811-3 WG1559811-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	87		93		63-132	7		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	88		96		63-130	9		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	97		98		62-150	1		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	94		100		67-130	6		20
trans-1,3-Dichloropropene	86		94		70-130	9		20
cis-1,3-Dichloropropene	89		96		70-130	8		20
Bromoform	81		92		54-136	13		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	97		100		70-130	3		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	99		98		64-130	1		20
Bromomethane	94		93		39-139	1		20
Vinyl chloride	89		91		55-140	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156436
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1559811-3 WG1559811-4								
Chloroethane	91		95		55-138	4		20
1,1-Dichloroethene	98		99		61-145	1		20
trans-1,2-Dichloroethene	98		100		70-130	2		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	110		115		70-130	4		20
Dichlorodifluoromethane	79		81		36-147	3		20
Acetone	110		120		58-148	9		20
Carbon disulfide	91		95		51-130	4		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	110		120		59-130	9		20
2-Hexanone	110		120		57-130	9		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	86		100		41-144	15		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	90		100		70-130	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156436
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1559811-3 WG1559811-4								
1,2,4-Trichlorobenzene	94		100		70-130	6		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	146		148		56-162	1		20
Freon-113	100		100		70-130	0		20
Methyl cyclohexane	99		100		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		110		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	99		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: B0127-021-001

Lab Number: L2156436

Report Date: 10/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1559228-6 WG1559228-7 QC Sample: L2156436-05 Client ID: MW-6B												
Methylene chloride	ND	10	10	100		11	110		70-130	10		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	11	110		12	120		70-130	9		20
Carbon tetrachloride	ND	10	10	100		10	100		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	11	110		12	120		63-130	9		20
1,1,2-Trichloroethane	ND	10	12	120		12	120		70-130	0		20
Tetrachloroethene	ND	10	11	110		10	100		70-130	10		20
Chlorobenzene	ND	10	11	110		11	110		75-130	0		20
Trichlorofluoromethane	ND	10	10	100		9.7	97		62-150	3		20
1,2-Dichloroethane	ND	10	11	110		12	120		70-130	9		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	11	110		12	120		67-130	9		20
trans-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
cis-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
Bromoform	ND	10	11	110		12	120		54-136	9		20
1,1,2,2-Tetrachloroethane	ND	10	13	130		13	130		67-130	0		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	12	120		12	120		64-130	0		20
Bromomethane	ND	10	6.6	66		7.5	75		39-139	13		20
Vinyl chloride	ND	10	9.7	97		9.7	97		55-140	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156436
Report Date: 10/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1559228-6 WG1559228-7 QC Sample: L2156436-05 Client ID: MW-6B												
Chloroethane	ND	10	14	**140**	Q	11	110		55-138	**24**	Q	20
1,1-Dichloroethene	ND	10	10	100		10	100		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	0.85	10	11	102		11	102		70-130	0		20
1,2-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,3-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	11	110		10	100		70-130	10		20
Methyl tert butyl ether	ND	10	12	120		12	120		63-130	0		20
p/m-Xylene	ND	20	22	110		21	105		70-130	5		20
o-Xylene	ND	20	21	105		22	110		70-130	5		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Styrene	ND	20	23	115		23	115		70-130	0		20
Dichlorodifluoromethane	ND	10	8.3	83		7.7	77		36-147	8		20
Acetone	ND	10	13	130		13	130		58-148	0		20
Carbon disulfide	ND	10	10	100		10	100		51-130	0		20
2-Butanone	ND	10	14	**140**	Q	15	**150**	Q	63-138	7		20
4-Methyl-2-pentanone	ND	10	12	120		13	130		59-130	8		20
2-Hexanone	ND	10	14	**140**	Q	14	**140**	Q	57-130	0		20
Bromochloromethane	ND	10	11	110		12	120		70-130	9		20
1,2-Dibromoethane	ND	10	12	120		13	130		70-130	8		20
1,2-Dibromo-3-chloropropane	ND	10	13	130		14	140		41-144	7		20
Isopropylbenzene	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156436
Report Date: 10/18/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1559228-6 WG1559228-7 QC Sample: L2156436-05 Client ID: MW-6B												
1,2,4-Trichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
Methyl Acetate	ND	10	11	110		12	120		70-130	9		20
Cyclohexane	ND	10	10	100		9.4J	94		70-130	6		20
1,4-Dioxane	ND	500	790	158		860	**172**	Q	56-162	8		20
Freon-113	ND	10	10	100		9.1	91		70-130	9		20
Methyl cyclohexane	ND	10	10	100		8.7J	87		70-130	14		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		108		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	103		103		70-130
Toluene-d8	98		99		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156436
Report Date: 10/18/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156436-01A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-01B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-01C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-02A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-02B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-02C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-03A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-03B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-03C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-04A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-04B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-04C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-05A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-05A1	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-05A2	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-05B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-05B1	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-05B2	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-05C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-05C1	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-05C2	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-06A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2156436-06B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156436
Report Date: 10/18/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156436-06C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156436
Project Number:	B0127-021-001	**Report Date:**	10/18/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156436
Project Number:	B0127-021-001	**Report Date:**	10/18/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156436
Project Number:	B0127-021-001	**Report Date:**	10/18/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156436
Project Number:	B0127-021-001	**Report Date:**	10/18/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/15/21

ALPHA Job #: L2154316

Client Information
Client: BenchMark EES
Address: 2558 Hamburg Tpke Buffalo NY 14218
Phone: 716-713-2937
Fax:
Email: TForbes@BM-Tk.com

Project Information
Project Name: 293 Patriot Hwy
Project Location: Rochester NY
Project #: B0127-021-001
(Use Project name as Project #) ☐
Project Manager: Tom Forbes / Carlene Fox
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 2 day's

Deliverables
☐ ASP-A ☒ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Cat B, NYSDEC EQuIS

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC's								Sample Specific Comments	Total Bottle
L2154316-01	MW-1B	10/14/21	11:00	AQ	NAS	X									3
02	MW-2		10:00			X									3
03	MW-3		13:05			X									3
04	MW-4B		14:20			X									3
05	MW-6B		15:00			X								MS/MSD	9
06	BD		14:30			X									3

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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

Relinquished By:	Date/Time	Received By:	Date/Time
	10/14/21 15:40	SECURE STORAGE AAL	10/14/21 15:40
SECURE STORAGE AAL	10/14/21 16:54	R Cunningham AAL	10/14/21 16:54
R Cunningham AAL	10/14/21 16:54		10/15/21 01:20

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2156645
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Tom Forbes
Phone:	(716) 856-0599
Project Name:	293 PATRIOT WAY
Project Number:	B0127-021-001
Report Date:	10/18/21

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156645
Report Date: 10/18/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2156645-01	MW-5BR	WATER	ROCHESTER, NY	10/15/21 09:40	10/15/21
L2156645-02	EQUIPTMENT BLANK	WATER	ROCHESTER, NY	10/15/21 09:00	10/15/21
L2156645-03	TRIP BLANK	WATER	ROCHESTER, NY	10/15/21 00:00	10/15/21

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156645
Project Number:	B0127-021-001	**Report Date:**	10/18/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156645
Project Number:	B0127-021-001	**Report Date:**	10/18/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 10/18/21

ORGANICS

VOLATILES

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156645
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156645-01
Client ID: MW-5BR
Sample Location: ROCHESTER, NY

Date Collected: 10/15/21 09:40
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/16/21 10:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.20	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156645
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156645-01
Client ID: MW-5BR
Sample Location: ROCHESTER, NY
Date Collected: 10/15/21 09:40
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156645
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156645-02
Client ID: EQUIPTMENT BLANK
Sample Location: ROCHESTER, NY

Date Collected: 10/15/21 09:00
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/16/21 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.0	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.26	J	ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156645
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156645-02
Client ID: EQUIPTMENT BLANK
Sample Location: ROCHESTER, NY
Date Collected: 10/15/21 09:00
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156645
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156645-03
Client ID: TRIP BLANK
Sample Location: ROCHESTER, NY

Date Collected: 10/15/21 00:00
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/16/21 11:06
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156645
Report Date: 10/18/21

SAMPLE RESULTS

Lab ID: L2156645-03
Client ID: TRIP BLANK
Sample Location: ROCHESTER, NY
Date Collected: 10/15/21 00:00
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156645
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/21 09:55
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1559690-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156645
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/21 09:55
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1559690-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001
Lab Number: L2156645
Report Date: 10/18/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/21 09:55
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1559690-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156645
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1559690-3 WG1559690-4								
Methylene chloride	94		96		70-130	2		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	98		100		70-130	2		20
Carbon tetrachloride	94		98		63-132	4		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	94		95		63-130	1		20
1,1,2-Trichloroethane	98		99		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	99		100		75-130	1		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	98		100		67-130	2		20
Bromodichloromethane	92		95		67-130	3		20
trans-1,3-Dichloropropene	97		98		70-130	1		20
cis-1,3-Dichloropropene	95		96		70-130	1		20
Bromoform	87		88		54-136	1		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	99		100		70-130	1		20
Toluene	99		100		70-130	1		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	96		100		64-130	4		20
Bromomethane	100		100		39-139	0		20
Vinyl chloride	97		100		55-140	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156645
Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1559690-3 WG1559690-4								
Chloroethane	110		120		55-138	9		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	96		99		70-130	3		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	95		98		70-130	3		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	80		83		36-147	4		20
Acetone	120		140		58-148	15		20
Carbon disulfide	99		100		51-130	1		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	110		100		59-130	10		20
2-Hexanone	120		120		57-130	0		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	99		100		41-144	1		20
Isopropylbenzene	99		100		70-130	1		20
1,2,3-Trichlorobenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: B0127-021-001

Lab Number: L2156645

Report Date: 10/18/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1559690-3 WG1559690-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	**166**	Q	156		56-162	6		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	99		100		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	99		99		70-130

Project Name: 293 PATRIOT WAY
Project Number: B0127-021-001

Lab Number: L2156645
Report Date: 10/18/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156645-01A	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260-R2(14)
L2156645-01B	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260-R2(14)
L2156645-01C	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260-R2(14)
L2156645-02A	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260-R2(14)
L2156645-02B	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260-R2(14)
L2156645-03A	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260-R2(14)
L2156645-03B	Vial HCl preserved	A	NA		5.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156645
Project Number:	B0127-021-001	**Report Date:**	10/18/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156645
Project Number:	B0127-021-001	**Report Date:**	10/18/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156645
Project Number:	B0127-021-001	**Report Date:**	10/18/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	293 PATRIOT WAY	**Lab Number:**	L2156645
Project Number:	B0127-021-001	**Report Date:**	10/18/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/16/21

ALPHA Job #: L2156645

Client Information
Client: Benchmark EES
Address: 255B Harlem Tree
Buffalo NY 14215
Phone: 716-713-3437
Fax:
Email: TForbes@BA-TK.com

Project Information
Project Name: 293 Patriot Way
Project Location: Rochester NY
Project #: B0127-021-001
(Use Project name as Project #)
Project Manager: Tom Forbes / Candace Fox
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 2 days

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ 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:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Cat B, NYS Rec Regs

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC's	Sample Specific Comments	Total Bottle
L2156645-01	MW-5BR	10/15/21	9:40	AQ	NAS	X		3
02	Equip Mnt Blank		9:00			X		2
03	Trip Blank		10:00			X		2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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: U
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
	10/15/21 12:50	ALAL	10/15/21 1520
	10/15/21 1520		10/16/21 01:00

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ATTACHMENT 3

FIELD FORMS
WELL DEVELOPMENT & GROUNDWATER SAMPLING

BENCHMARK

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: Kaddis | Date: 10/14/2021

Location: 293 Patriot Way | Project No.: | Field Team: NAS/ TM

Well No.	**MW-1B**	Diameter (inches):	2	Sample Date / Time:
Product Depth (fbTOR):		Water Column (ft):	35.8	DTW when sampled:
DTW (static) (fbTOR):	6.6	One Well Volume (gal):	5.8	Purpose: ☑ Development ☐ Sample ☐ Purge & Sample
Total Depth (fbTOR):	42.4	Total Volume Purged (gal):	55	Purge Method: Bailer

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
9:30	Initial	0	7.03	16.9	586.7	73	N/A	150	Turbid, no odor
10:00	Sep-70	6	7.1	16.5	563.5	OR	N/A	24	Turbid, no odor
10:15	8.8	12	7.71	15.6	834.6	OR	N/A	-39	Turbid, no odor
10:30	8.9	18	7.61	14.6	900	OR	N/A	-49	Turbid, no odor
10:45	7.5	24	7.62	15.4	910	OR	N/A	-21	Turbid, no odor
11:15	8.2	30	7.6	15.5	906	OR	N/A	-22	Turbid, no odor
11:30	8.7	36	7.73	16.9	909	OR	N/A	6	Turbid, no odor
12:15	9.1	42	7.58	16.6	909	OR	N/A	-27	Turbid, no odor
13:00	10.8	48	7.65	15.7	910	OR	N/A	-5	Turbid, no odor
13:30	10.8	54	7.77	15.8	1010	OR	N/A	-8	Turbid, no odor
14:00	10.2	55	7.66	15.3	1005	OR	N/A	-42	Turbid, no odor
Sample Information:									
	S2								

Well No.	**MW-2**	Diameter (inches):	2	Sample Date / Time:
Product Depth (fbTOR):		Water Column (ft):	14.95	DTW when sampled:
DTW (static) (fbTOR):	3.15	One Well Volume (gal):	2.8	Purpose: ☑ Development ☐ Sample ☐ Purge & Sample
Total Depth (fbTOR):	18.1	Total Volume Purged (gal):	14	Purge Method: Bailer

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
11:30	Initial	0	7.62	17.4	878	OR	N/A	75	Turbid, no odors
11:45	8.35	2.8	7.35	15.9	891	OR	N/A	83	Turbid, no odors
12:00	9.25	5.6	7.38	15.7	917	OR	N/A	85	Turbid, no odors
12:15	10.65	8	7.44	15.9	920	OR	N/A	50	Turbid, no odors
12:30	11.5	10.8	7.37	15.9	919	OR	N/A	85	Turbid, no odors
12:45	15.3	13.5	7.44	15.2	930	OR	N/A	89	Turbid, no odors
	DRY	14							
Sample Information:									

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: Kaddis | Date: 10/14/2021

Location: 293 Patriot Way | Project No.: | Field Team: NAS/ TM

Well No.	**MW-3**	Diameter (inches):	2	Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):	11.1	DTW when sampled:	
DTW (static) (fbTOR):	7.25	One Well Volume (gal):	1.8	Purpose: ☑ Development ☐ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	18.35	Total Volume Purged (gal):	18	Purge Method: Bailer	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
13:00	0 Initial	0	7.78	15.3	946	OR	N/A	139	Turbid, No odor
13:15	9.6	1.8	7.55	15.4	765	OR	N/A	53	Turbid, No odor
13:30	9.25	3.6	7.48	15.4	729	OR	N/A	48	Turbid, No odor
13:45	8.45	5.4	7.52	15	739	OR	N/A	46	Turbid, No odor
14:00	10.95	7.2	7.55	14.9	734	OR	N/A	68	Turbid, No odor
14:15	11.9	9	7.46	14.8	718	OR	N/A	31	Turbid, No odor
14:30	11.5	10.8	7.58	15	813	OR	N/A	37	Turbid, No odor
14:45	12.4	13.2	7.5	14.5	737	OR	N/A	46	Turbid, No odor
15:00	13.5	15	7.5	14.7	815	OR	N/A	31	Turbid, No odor
15:15	14.2	18	7.48	14.8	798	OR	N/A	38	Turbid, No odor

Sample Information:

Well No.	**MW-4B**	Diameter (inches):	2	Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):	40.2	DTW when sampled:	
DTW (static) (fbTOR):	7.25	One Well Volume (gal):	6.55	Purpose: ☑ Development ☐ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	47.45	Total Volume Purged (gal):	55	Purge Method: Bailer	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
9:49	Initial	0	7.61	14.8	8.97	OR	0.63	-2	Turbid, no odor
11:00	7.5	6.55	7.87	24.1	4.61	OR	1.51	18	Turbid, no odor
12:13	7.5	13.1	7.69	18.4	4.3	OR	1.16	17	Turbid, no odor
14:00	7.6	19.65	7.63	17.8	3.29	OR	1.81	22	Turbid, no odor
14:40	7.65	26.2	7.81	19.3	2.8	OR	1.76	46	Turbid, no odor
15:07	7.7	32.75	8.11	14.1	892.7	OR	2.17	11	Turbid, no odor
15:40	7.85	39.3	7.74	14.3	897	OR	3.17	24	Turbid, no odor
16:14	7.85	45.85	7.67	13.6	900	OR	1.6	4	Turbid, no odor
16:47	7.9	52.4	7.66	13.2	890	OR	1.95	5	Turbid, no odor
17:00	7.9	55	7.65	13.5	899	OR	1.97	7	Turbid, no odor

Sample Information:

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: Kaddis | Date: 10/14/2021, 10/15/2021

Location: 293 Patriot Way | Project No.: | Field Team: NAS/ TM

Well No.	**MW-5B**	Diameter (inches):	2	Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):	40.8	DTW when sampled:	
DTW (static) (fbTOR):	13.3	One Well Volume (gal):	6.6	Purpose: ☑ Development ☐ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	54.1	Total Volume Purged (gal):	55	Purge Method: Bailer	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
11:00	Initial	0	7.25	14.1	1566	OR	N/A	-25	Turbid, no odors
11:15	13.3	6	7.35	14.8	1414	OR	N/A	42	Turbid, no odors
11:30	14	12	7.48	13.5	1550	OR	N/A	24	Turbid, no odors
11:45	14.5	18	7.27	14.5	1504	OR	N/A	0	Turbid, no odors
12:00	15.5	24	7.38	14	1778	OR	N/A	-23	Turbid, no odors
12:15	15.9	30	7.3	15	1694	OR	N/A	26	Turbid, no odors
12:30	17.8	36	7.36	14	1776	OR	N/A	8	Turbid, no odors
12:45	18.4	42	7.34	14	1725	OR	N/A	12	Turbid, no odors
13:00	18.2	48	7.33	13.5	1776	OR	N/A	16	Turbid, no odors
13:15	18.2	55	7.25	14.5	1675	OR	N/A	9	Turbid, no odors
Sample Information:									

Well No.	**MW-6B**	Diameter (inches):	2	Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):	35.6	DTW when sampled:	
DTW (static) (fbTOR):	7.1	One Well Volume (gal):	5.8	Purpose: ☑ Development ☐ Sample ☐ Purge & Sample	
Total Depth (fbTOR):	42.7	Total Volume Purged (gal):	55	Purge Method: Bailer	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
15:00	0 Initial	0	10.4	15.6	876	OR	N/A	-183	Turbid, no odors
15:15	9.6	6	9.16	15.3	772	OR	N/A	-69	Turbid, no odors
15:30	9.7	12	8.56	15.3	780	OR	N/A	-69	Turbid, no odors
15:45	10	18	8.23	15.1	807	OR	N/A	-50	Turbid, no odors
16:00	9.2	24	8.13	15.2	816	OR	N/A	-1	Turbid, no odors
16:15	9.5	30	8.15	15.6	817	OR	N/A	-2	Turbid, no odors
16:30	9.2	36	7.98	14.8	787	OR	N/A	12	Turbid, no odors
16:45	9.2	40	7.91	14.5	822	OR	N/A	6	Turbid, no odors
17:00	9.2	46	7.92	14.7	807	OR	N/A	26	Turbid, no odors
17:15	9.2	52	7.98	15.5	812	OR	N/A	6	Turbid, no odors
17:30	10.2	55	7.95	15	811	OR	N/A	12	Turbid, no odors
Sample Information:									
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: Kaddis | Date: 10/14/2021

Location: 293 Patriot Way | Project No.: | Field Team: NAS/ TM

Well No.	**MW-1B**	Diameter (inches):	2	Sample Date / Time:	10/14/2021	11:35
Product Depth (fbTOR):		Water Column (ft):	36.85	DTW when sampled:		
DTW (static) (fbTOR):	6.75	One Well Volume (gal):	6	Purpose: ☐ Development	☐ Sample	☑ Purge & Sample
Total Depth (fbTOR):	43.6	Total Volume Purged (gal):	18	Purge Method:	Low Flow	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
10:45	Initial	0	7.63	16.3	879	85.5	1.48	19	Turbid, no odor
11:00	7.75	6	7.5	15.1	895	OR	0.69	45	Turbid, no odor
11:20	8.8	12	7.5	17.3	982	412	0.53	50	Turbid, no odor
11:35	8.85	18	7.5	15.9	889	692	0.44	53	Turbid, no odor
Sample Information:									
11:36	8.85	18	7.49	15	893	659	0.63	59	Turbid No odor
	S2								

Well No.	**MW-2**	Diameter (inches):	2	Sample Date / Time:	10/14/2021	10:15
Product Depth (fbTOR):		Water Column (ft):	13.2	DTW when sampled:		
DTW (static) (fbTOR):	4.6	One Well Volume (gal):	2.15	Purpose: ☐ Development	☐ Sample	☑ Purge & Sample
Total Depth (fbTOR):	17.8	Total Volume Purged (gal):	6	Purge Method:	Low Flow	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
9:30	Initial	0	7.25	18.8	1057	100	6.87	194	Clear, no odors
9:35	8.3	2	7.34	16.8	918	55.7	6.72	171	Clear, no odors
9:40	8.6	4	7.28	16.9	920	17.3	6.59	153	Clear, no odors
10:00	8.7	6	7.31	16.2	914	33.3	6.55	147	Clear, no odors
Sample Information:									
10:15	8.9	6	7.26	16.1	914	17.9	6.45	143	Clear, no odors

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: Kaddis | Date: 10/14/2021

Location: 293 Patriot Way | Project No.: | Field Team: NAS/ TM

Well No.	**MW-3**	Diameter (inches):	2	Sample Date / Time:	10/14/2021	13:00
Product Depth (fbTOR):		Water Column (ft):	10.65	DTW when sampled:		
DTW (static) (fbTOR):	7.35	One Well Volume (gal):	1.74	Purpose: ☐ Development	☐ Sample	☑ Purge & Sample
Total Depth (fbTOR):	18	Total Volume Purged (gal):	5.2	Purge Method:	Low Flow	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
12:20	0 Initial	0	7.45	17	157	OR	4.09	20	Turbid, No odor
12:30	7.2	1.74	7.33	16.2	708	OR	4.78	58	Turbid, No odor
12:38	7.4	3.4	7.35	15.7	712	98.3	4.43	42	Clear, no odor
13:00	7.9	5.2	7.34	15.7	722	623	3.88	29	Clear, no odor
Sample Information:									
13:05	7.9	5,22	7.32	15.5	714	326	3.81	44	Turbid, no odor

Well No.	**MW-4B**	Diameter (inches):	2	Sample Date / Time:	10/14/2021	14:20
Product Depth (fbTOR):		Water Column (ft):	40.25	DTW when sampled:		
DTW (static) (fbTOR):	7.75	One Well Volume (gal):	6.56	Purpose: ☐ Development	☐ Sample	☑ Purge & Sample
Total Depth (fbTOR):	48	Total Volume Purged (gal):	19.6	Purge Method:	Low Flow	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
13:45	Initial	0	7.58	14.7	854	32.9	3.21	42	Clear, no odor
14:00	7.75	6.56	7,51	14.1	888	13.3	0.9	44	Clear, no odor
14:12	7.95	13.12	7,54	14.4	888	8.98	0.75	43	Clear, no odor
14:21	8.2	19.68	7.48	14.9	877	7.69	0.69	49	Clear, no odor
Sample Information:									
14:24	7.95	19.68	7.48	14.6	887	8.61	1.26	49	Clear, no odor

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

GROUNDWATER FIELD FORM

Project Name: Kaddis | Date: 10/14/2021, 10/15/2021

Location: 293 Patriot Way | Project No.: | Field Team: NAS/ TM

Well No.	**MW-5B**	Diameter (inches):	2	Sample Date / Time:	10/15/2021	9:40
Product Depth (fbTOR):		Water Column (ft):	40.2	DTW when sampled:		
DTW (static) (fbTOR):	13.8	One Well Volume (gal):	6.6	Purpose: ☐ Development	☐ Sample	☑ Purge & Sample
Total Depth (fbTOR):	54	Total Volume Purged (gal):	19.5	Purge Method:	Low Flow	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
9:20	Initial	0	6.84	15	1326	95.6	4.37	10	Clear, no odors
9:25	17.4	6.5	7.01	13.2	1742	270	0.78	4	Clear, no odors
9:30	17.9	13	7.04	13.2	1776	132	0.62	-26	Clear, no odors
9:35	15.8	19.5	7.08	12.8	1786	32.5	0.82	-37	Clear, no odors
Sample Information:									
9:40	15.8	19.5	7.05	13	1784	15.7	0.64	-62	Clear, no odors

Well No.	**MW-6B**	Diameter (inches):	2	Sample Date / Time:	10/14/2021	15:05:00 AM
Product Depth (fbTOR):		Water Column (ft):	34.2	DTW when sampled:		
DTW (static) (fbTOR):	7.8	One Well Volume (gal):	5.57	Purpose: ☐ Development	☐ Sample	☑ Purge & Sample
Total Depth (fbTOR):	42	Total Volume Purged (gal):	17	Purge Method:	Low Flow	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
14:40	0 Initial	0	8.3	20.5	702	96.9	3.16	126	Clear, no odor
14:47	10	6	7.75	16.6	811	472	0.82	-75	Clear, no odor
14:56	10.85	12	7.67	17.5	809	318	1.26	-62	Clear, no odor
15:05	10.85	17	7.66	19.1	806	318	0.66	-54	Clear, no odor
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
15:07	10.85	17	7.66	16.3	803	348	0.75	-61	Clear, no odor
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: