March 24, 2021

Mr. Frank Sowers
Division of Environmental Remediation
New York State Department of Environmental Conservation – Region 8
6274 East Avon-Lima Road
Avon, New York 14414

Re: Pilot Test Report for Interim Remedial Measure – Source Treatment
BCP Site # C828187
3750 Monroe Avenue
Pittsford (T), New York
LaBella Project No. 213131

Dear Mr. Sowers:

LaBella Associates, D.P.C. (LaBella) is pleased to submit this Pilot Test Report which summarizes the results of a limited subsurface chemical injection pilot study conducted to assess a potential source treatment interim remedial measure (IRM) at BCP Site #C828187 located at 3750 Monroe Avenue in the Town of Pittsford, County of Monroe, New York, hereinafter referred to as "the Site." This pilot test was conducted from September 28 through October 8, 2020.

BACKGROUND

LaBella completed a Remedial Investigation (RI) at the Site to characterize the nature and extent of contamination. The subsurface (i.e., depths greater than 1-foot) at the Site has been characterized and the results are included in the RI Report dated October 2019. Subsurface investigation conducted during the RI indicates that there is a primary source of chlorinated solvents beneath the building, with some migration to an area located just to the northwest of the building (referred to herein as the "downgradient source area"). This chlorinated solvent plume appears to be migrating towards the northern boundary of the Brownfield Cleanup Program (BCP) boundary, which is a 9.37-acre area within the entire 41.90-acre property.

On March 25, 2020, LaBella submitted a Pilot Test Work Plan to NYSDEC, which outlined procedures to investigate the effectiveness of chemical injection as a way to complete a source treatment at the Site. The Pilot Test Work Plan was approved with comments by NYSDEC on July 2, 2020.

PURPOSE AND OBJECTIVES

Norry Development, EnviroForensics and LaBella (Project Team) developed this pilot test to investigate the effectiveness of chemical injection as a way to complete a source treatment at the Site. This test was completed to assess the optimal spacing and most effective treatment compound for source treatment. The intention of this pilot test was to produce results to support the full scale design for the IRM.

The overall purpose of this pilot test was to evaluate a potential source area treatment method. The objectives were:

1. Assess the ability to place the volume/mass of treatment chemical into the subsurface formation (i.e. determination of the appropriate radius of influence); and

2. Assess the ability of the treatment chemical to create reducing conditions in the treatment zone.

This information is presented in this Pilot Test Report, along with conclusions and recommendations for the full scale IRM.

PRE-INJECTION GROUNDWATER SAMPLING

Prior to the start of injection work, low-flow groundwater sampling was conducted on September 15 and September 21, 2020. This work was conducted in conjunction with NYSDEC-required Emerging Contaminant (EC) sampling, and purging was conducted using a peristaltic pump. Prior to sampling, low-flow groundwater purging was performed until groundwater quality parameters stabilized for three (3) consecutive readings. The following groundwater quality parameters were monitored and recorded:

- pH
- Temperature (°C)
- Conductivity (mS/cm)
- Turbidity (NTU)
- Dissolved oxygen (mg/L)
- Redox Potential (± 10 mV)
- Depth to water (feet below ground surface)

Pre-injection groundwater quality parameters are included as Attachment 1. LaBella utilized pre-injection groundwater volatile organic compound (VOC) data from a 2018 groundwater sampling event to compare to post-injection sampling data.

DOWNGRADIENT SOURCE TREATMENT INJECTION

After evaluation of several different source treatment products, the Project Team decided to assess the effectiveness of Provect-IR50 as part of this pilot test. Provect-IR50 is an in-situ chemical reduction (ISCR) for managing source areas. A copy of the Material Safety Data Sheet for Provect-IR50 is included as Attachment 2. LaBella performed Provect-IR50 injections at five (5) exterior locations in the vicinity of the downgradient source area, as shown on Figure 1. This downgradient source area is centered on monitoring well location GPMW-14.

Following the pre-injection groundwater sampling, LaBella mobilized to the Site and began injection of Provect-IR50 on September 28, 2020 following a *Dig Safe New York* stakeout. Injection locations were selected based on the layout of injection points in the Pilot Test Work Plan and were adjusted in the field to account to locations of utilities, including a sanitary sewer line, gas service line, and water line. A Geoprobe 6620DT was used to advance injection borings to a depth of 25-feet (ft) below ground surface (bgs). Upon reaching design depth, LaBella's field crew attempted to execute the following procedure at each injection point:

1. The design treatment zone for each injection point was between 7-ft and 25-ft bgs. The Provectus-IR50 slurry was to be injected within this zone with actual injections occurring at the following depths: 24-ft bgs, 22-ft bgs, 20-ft bgs, 18-ft bgs, 16-ft bgs, 14-ft bgs, 12-ft bgs, 10-ft bgs, and 8-ft bgs.
2. Approximately 67 lb. of Provect-IR50 was mixed with approximately 27 gallons of water and injected at each injection interval. This equates to a design injection volume of approximately 35 gallons at each interval (315 gallons per injection point).
3. At each interval, approximate flow rate and injection duration was recorded as well as observations made during injection work.

In total, five (5) primary downgradient source treatment injections were completed in the vicinity of GPMW-14. Presented below is a summary table showing the dates the injections were completed, total quantity of Provect-IR50 and water injected, approximate quantity of injection fluid lost due to daylighting, and a brief note on whether multiple injection points had to be utilized.

Table A – Downgradient Source Treatment Injection Summary

Injection Point	Date(s) Completed	Total Volume (gal)	Volume Lost (gal)	Point IDs
IP-1	9/28 - 9/29/20	315	--	IP-1
IP-2	10/5 – 10/6/20	315	30	IP-2
IP-3	10/7/20	305	40-60	IP-3A, IP-3B*
IP-4	10/6 – 10/7/20	323	5	IP-4A, IP-4B*
IP-5	10/7/20	224	25-40	IP-5

*Indicates injection was completed at two separate, adjacent points due to daylighting

Full injection logs are included as Attachment 3. Provect-IR50 slurry that daylighted during injection work was contained within the pilot study area and allowed to infiltrate back into the subsurface.

Downgradient Source - Completed Injection Work

Three (3) of the five (5) injection points received at least 315 gallons of the Provect-IR50 mixture or more. Two injection points (IP-3 and IP-5) received less than the design volume of 315 gallons of mixture due to extensive daylighting during injection work.

For IP-3, two (2) injection points were utilized in an attempt to prevent additional daylighting. At the first injection location, IP-3A, the Provect-IR50 slurry was observed daylighting out of IP-2 which was not grouted shut. IP-2 and IP-3A were then grouted shut and injection work moved to a different location to allow the ground in this area to accept the Provect IR-50 slurry. Additional volume was injected at the 23- to 26-ft bgs interval, which proved successful in preventing daylighting. A total volume of 305 gallons of Provect IR-50 slurry was able to be injected into the subsurface between IP-3A and IP-3B.

For IP-5, extensive daylighting was observed west of the injection area along the sidewalk leading to the building. It is believed that the Provect-IR50 slurry was migrating through utility bedding in the area and was daylighting along landscaping features. This injection interval was terminated prior to reaching the design injection quantity due to this observed daylighting. A second injection location was not performed due to the presence of several utilities in the pilot test area.

Downgradient Source Area Injection Observations

In general, the Provect-IR50 slurry was accepted by the subsurface during injection work. The first injection, IP-1, was performed without any daylighting observed. Limited daylighting was observed at IP-2, which was performed six (6) days after IP-1. However, it does not appear that the subsurface at the Site can handle multiple injections within a short period of time. Additionally, the presence of utility bedding in the vicinity of the pilot test area appeared to play a role in daylighting observed during injection work.

It also appears that a change on geologic strata at the Site plays a role in how well the Provect IR-50 slurry is accepted by the subsurface. During the Remedial Investigation (RI) performed at the Site in 2018, a sandy silt layer was observed from approximately 12-ft to 19-ft bgs. The most extensive daylighting was observed during injection work at these depths, particularly in IP-3A/IP-3B and IP-5. It appears that this layer will accept the Provect IR-50 slurry, but takes longer to equilibrate than other geologic layers in the area. Figures from the RI Report showing observed geologic layers at the Site are included as Attachment 4.

PRIMARY SOURCE TREATMENT INJECTION

In addition to the Downgradient Source Treatment Injection, the Project Team assessed the effectiveness of EZVI-CH4 during this pilot test. This is an ISCR technology for DNPAL/source area destruction designed to rapidly reduce source mass and mass flux of organic constituents of interest in soil and groundwater. A copy of the Material Safety Data Sheets for EZVI-CH4 are included as

Attachment 2. LaBella initially planned on performing an injection at one (1) location beneath the Site building in the vicinity of the primary source area. The primary source treatment injection followed the same procedure as the downgradient source treatment injection, with the following modifications:

1. LaBella utilized a Geoprobe 6620 DT direct push rig to inject EZVI-CH4 product into one (1) boring location. LaBella planned to inject approximately 300 gallons of EZVI-CH4 will be injected into the indoor location.
2. The design treatment zone was between 6-feet and 25-feet BGS. The EZVI-CH4 product was injected within this zone with actual injections occurring approximately every 3- to 5-feet below the ground surface.
3. Due to the limitations of injecting beneath an occupied building, soil borings were not advanced after injection work was completed. Instead, LaBella utilized existing groundwater monitoring wells to conduct a visual assessment of the treatment chemical distribution.

In total, three (3) separate injection points were utilized inside the building in order to inject the full volume of Provectus EZVI-CH4 into the subsurface. Three (3) injection points had to be utilized due to extensive daylighting from the injection points and out of the adjacent GPMW-25 monitoring well. Presented below is a summary table showing the dates the injections were completed, total quantity of EZVI-CH4 injected and approximate quantity of product lost due to daylighting.

Table B – Primary Source Treatment Injection Summary

Injection Point	Date(s) Completed	Total Volume (gal)	Volume Lost (gal)
INT-1	9/30 – 10/1/20	135	1
INT-2	10/1 – 10/2/20	98	3
INT-3	10/2/20	63	--

Full injection logs are included as Attachment 3.

Primary Source – Completed Injection Work

A total of three (3) separate injection points were utilized in order to inject the design volume of approximately 300 gallons of EZVI-CH4 into the primary source area. The first point, Interior IP-1 was advanced approximately 21-ft to the east of GPMW-25. Approximately 135 gallons of EZVI-CH4 was injected from 16-ft to 25-ft bgs at Interior IP-1, with daylighting occurring at the 16-ft bgs injection interval around the injection tooling. Approximately 1 gallon of EZVI-CH4 daylighted, which was soaked up with spill pads.

Interior IP-2 was drilled approximately 28-ft to the southeast from GPMW-25 in an attempt to prevent additional daylighting. Approximately 88 gallons of EZVI-CH4 was injected at 16-ft bgs, with product daylighting occurring at GPMW-25. Approximately 1 gallon of EZVI-CH4 was lost at this interval due to daylighting. An additional 10 gallons of product was injected at 5-ft bgs, which resulted in additional product daylighting at GPMW-25. Approximately 3 gallons of EZVI-CH4 was lost at this interval due to daylighting. All EZVI-CH4 lost was soaked up with spill pads.

Interior IP-3 was drilled approximately 43-ft to the northeast from GPMW-25 in order to inject the remaining quantity of EZVI-CH4 into the subsurface. A total of 63 gallons was injected at 12-ft bgs, with no additional daylighting observed.

Interior injection point locations can be found in Figure 1.

Primary Source Area Injection Observations

In general, the EZVI-CH4 product was accepted by the subsurface during injection work. Daylighting out of Interior IP-1 resulted in additional injection points (Interior IP-2 and Interior IP-3) to be utilized. Based on observed product daylighting from GPMW-25 during injection at Interior IP-2, it appears that the

injections have an adequate radius of influence. However, the geologic layers beneath the building do not appear to accept the EZVI-CH4 as readily as the Provect IR-50 slurry and multiple injections in the same area within a short period of time will likely result in significant product daylighting.

Post-Injection Groundwater Sampling

On November 10, 2020, LaBella conducted post-injection groundwater sampling at GPMW-14 (downgradient source area monitoring well) and GPMW-25 (primary source area monitoring well). Both groundwater samples were analyzed for United States Environmental Protection Agency (USEPA) Target Compound List (TCL) and NYSDEC Commissioner Policy (CP-)51 VOCs using USEPA Method 8260. Samples were analyzed by Alpha Analytical Laboratories, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified lab.

Post-injection groundwater data at GPMW-14 (downgradient source area outside the building footprint) was compared to groundwater samples collected in May 2018, which was the last available groundwater sample collected from that location. The post-injection sample collected at GPMW-14 showed that trichloroethene (TCE) concentrations decreased from 27,600 µg/L to 20 µg/L, while cis-1,2-dichloroethene concentrations decreased from 1,190 µg/L to 7.6 µg/L. Other chlorinated solvents (tetrachloroethene, trans-1,2-dichloroethene, 1,1-dichloroethene, 1,1,2-trichloroethene, 1,1-dichloroethane, and 1,2-dichloroethane) were not observed above their method detection limits in the post-injection groundwater sample at GPMW-14.

Post-injection groundwater data at GPMW-25 (primary source area inside the building footprint) was compared to groundwater samples collected in June 2013, which was the last available groundwater sample collected from that location. The post-injection sample collected at GPMW-25 showed that TCE concentrations decreased from 130,000 µg/L to 20,000 µg/L, while cis-1,2-dichloroethene concentrations decreased from 3,100 µg/L to 1,000 µg/L. 1,1-dichloroethene was observed at a post-injection concentration of 370 µg/L; no other chlorinated solvent compounds were detected above their laboratory method detection limits.

A summary of pre- and post-injection VOC data can be found in Table 1. A full summary of post-injection analytical laboratory data can be found in Attachment 5.

Air Monitoring

As part of the pilot study, LaBella performed interior and exterior dust and VOC air monitoring. All air monitoring was conducted in accordance with the Community Air Monitoring Plan (CAMP) in place as part of LaBella's Remedial Investigation (RI) work plan for the Site. No dust or VOC exceedances were noted during the work. CAMP data from this project can be found in Attachment 6.

Deviations from the Pilot Test Work Plan

During the work, several deviations from the original work plan were performed:

- Additional injection points were offset (exterior points IP-3A & B, IP-4A & B) in an attempt to prevent product daylighting during injection work.
- Two (2) additional injection points were utilized for the interior injection to prevent product daylighting during injection work.
- GPMW-25 was replaced due to observed silt buildup within the well. GPMW-25A was installed 3-ft to the southeast of GPMW-25.
- Exterior injection locations were adjusted from the Pilot Test Work Plan in order to avoid underground utilities in the area.

Conclusions

Based on the injection work performed and analysis of the pre- and post-injection groundwater VOC data, it appears that use of these Provect-IR50 and EZVI-CH4 products for full-scale remediation is viable and would result in in-situ contamination reduction. The initial sampling results for Provectus-IR50 slurry for the exterior injection points indicated a 99.9% reduction in TCE in groundwater and a 99.3% reduction in cis-1,2-dichloroethene in groundwater at GPMW-14. Additionally, the initial sampling results for EZVI-CH4 for the interior injection points indicated a 84.6% reduction in TCE in groundwater and a 67.7% reduction in cis-1,2-dichloroethene in groundwater at GPMW-25. It should be noted that the pre- and post-injection VOC data only represents one post-injection sampling event and and these reductions in chlorinated VOC compounds may not be observed in the full-scale remediation work.

If these products are utilized for full-scale injection work, LaBella would recommend staggering injections so that each area has time to equilibrate and fully permeate into the overburden. Additionally, total mass injected per interval could be reduced in order to allow the subsurface to accept the material more readily. Although significant CVOC breakdown was observed at the downgradient source area at the pilot study dosing rate of 600 lb/point, the dosing rate could be reduced with minimal impacts to contaminant reduction. Remedial action dosing rates would be determined in conjunction with Provectus as part of the Interim Remedial Measure (IRM) Work Plan.

CERTIFICATION

I, Jared Pristach, certify that I am currently a NYS-registered Professional Engineer and that this Pilot Test Report was prepared in accordance with all applicable statues and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

If you have any questions, or require additional information, please do not hesitate to contact me at (585) 295-6611.

Respectfully submitted,

LABELLA ASSOCIATES, D.P.C.

Daniel P. Noll, PE
Project Engineer

Attachments

Attachment 1 – Water Quality Parameter Logs
Attachment 2 – Provectus Safety Data Sheets (SDS)
Attachment 3 – Injection Logs
Attachment 4 – Remedial Investigation Figures
Attachment 5 – Post-Injection Laboratory Analytical Data
Attachment 6 – CAMP Data

TABLES

Table 1
3750 Monroe Avenue BCP Pilot Study
3750 Monroe Avenue, Pittsford, NY
Summary of Detected Compounds in Groundwater
LaBella Project # 213131

Sample ID	NYCRR Part 703 Groundwater Quality Standards	GPMW-14		GPMW-14		GPMW-25		GPMW-25	
Screened Interval (ft bgs)		5' - 15'		5' - 15'		3' - 23'		3' - 23'	
Sample Date		4/2/2018		11/10/2020		6/28/2013		11/10/2020	
Volatile organic compounds									
Tetrachloroethene	5	**12**	J	0.18	U	--		36	U
Trichloroethene	5	**27,600**	J	**20**		**130,000**		**20,000**	
cis -1,2-Dichloroethene	5	**1,190**	J	**7.6**		**3,100**	J	**1,000**	
trans-1,2-Dichloroethene	5	**30.3**	J	0.17	U	<6,300	U	140	U
1,1-Dichloroethene	5	**267**	J	0.7	U	<6,300	U	**370**	
Vinyl chloride	2	1	U	0.07	U	--		14	U
1,1,2,2-Tetrachloroethane	5	1	U	0.17	U	--		33	U
1,1,2-Trichloroethane	1	**5.06**	J	0.5	U	--		100	U
1,1,1-Trichloroethane	5	1	U	0.7	U	--		140	U
1,2-Dichloroethane	0.6	**20.1**	J	0.13	U	--		26	U
1,1-Dichloroethane	5	**57.7**	J	0.7	U	--		140	U
1,2,3-Trichlorobenzene	5	1	U	--		--		--	
1,2,4-Trichlorobenzene	5	1	U	0.7	U	--		140	U
1,2,4-Trimethylbenzene	5	1	U	0.7	U	--		140	U
1,2-Dibromo-3-Chloropropane	0.04	5*	U	0.7	U	--		140	U
1,2-Dibromomethane	NL	1*	UJ	0.65	U	--		130	U
1,2-Dichlorobenzene	3	1	U	0.7	U	--		140	U
1,2-Dichloropropane	1	1	UJ	0.14	U	--		27	U
1,3,5-Trimethylbenzene	5	1	U	0.7	U	--		140	U
1,3-Dichlorobenzene	3	1	U	0.7	U	--		140	U
1,4-Dichlorobenzene	3	1	U	0.7	U	--		140	U
1,4-Dioxane	NL	N/A		N/A		--		N/A	
Methyl ethyl ketone (2-butanone)	50*	10	U	1.9	U	--		390	U
2-Hexanone	50*	10	U	1	U	--		200	U
4-Methyl-2-Pentanone (MIBK)	NL	10	U	1	U	--		200	U
Acetone	50*	50	U	**20**		--		290	U
Benzene	1	2.01	J	**4.2**		--		32	U
Bromochloromethane	5	1	U	--		--			
Bromodichloromethane	50*	1	UJ	0.19	U	--		38	U
Bromoform	50*	1	UJ	0.65	U	--		130	U
Bromomethane	5	5	U	0.7	U	--		140	U
Carbon Disulfide	60*	1	U	1	U	--		200	U
Carbon tetrachloride	5	1	U	0.13	U	--		27	U
Chlorobenzene	5	1	U	0.7	U	--		140	U
Chloroethane	5	5	U	0.7	U	--		140	U
Chloroform	7	5	U	0.7	U	--		140	U
Chloromethane	NL	2.5	U	0.7	U	--		140	U
cis-1,3-dichloropropene	0.4	1*	U	0.14	U	--		29	U
trans-1,3-dichloropropene		1*	U	0.16	U	--		33	U
Cyclohexane	NL	1	U	0.27	U	--		54	U
Dibromofluoromethane	5	1	U	0.15	U	--		30	U
Dichlorodifluoromethane	5	5	U	1	U	--		200	U
Ethylbenzene	5	1	U	0.7	U	--		140	U
1,1,2-Trichlorotrifluoroethane (freon 113)	5	**15.9**	J	0.7	U	--		140	U
Isopropylbenzene	5	1.52	U	0.7	U	--		140	U
Methyl Acetate	NL	20	U	0.23	U	--		47	U
Methyl Cyclohexane	NL	1	UJ	0.4	U	--		79	U
Methyl tert-butyl ether	10*	1	U	0.7	U	--		140	U
Methylene Chloride	5	5	U	0.7	U	--		140	U
n - Propylbenzene	5	1	U	0.7	U	--		140	U
Naphthalene	10*	5	U	0.7	U	--		140	U
n-Butylbenzene	5	1	U	0.7	U	--		140	U
p-Isopropyltoluene	5	1	U	0.7	U	--		140	U
sec-Butylbenzene	5	1	U	0.7	U	--		140	U
Styrene	5	1	U	0.7	U	--		140	U
tert-Butylbenzene	5	1	U	0.7	U	--		140	U
Toluene	5	1	U	0.7	U	--		140	U
Trichlorofluoromethane	5	5	U	0.7	U	--		140	U
o-xylene	5	1	U	0.7	U	--		140	U
m,p-xylene	5	2	U	0.7	U	--		140	U

NOTES:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb)

"U" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Bold values indicate the compound was detected above its laboratory method detection limit (MDL)

Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard or Technical and Operational Guidance Series (TOGS 1.1.1) Guidance Value

* indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed

"J" indicates that the analyte concentration is estimated

VOCs analyzed by USEPA Method 8260

NL Indicates Not Listed

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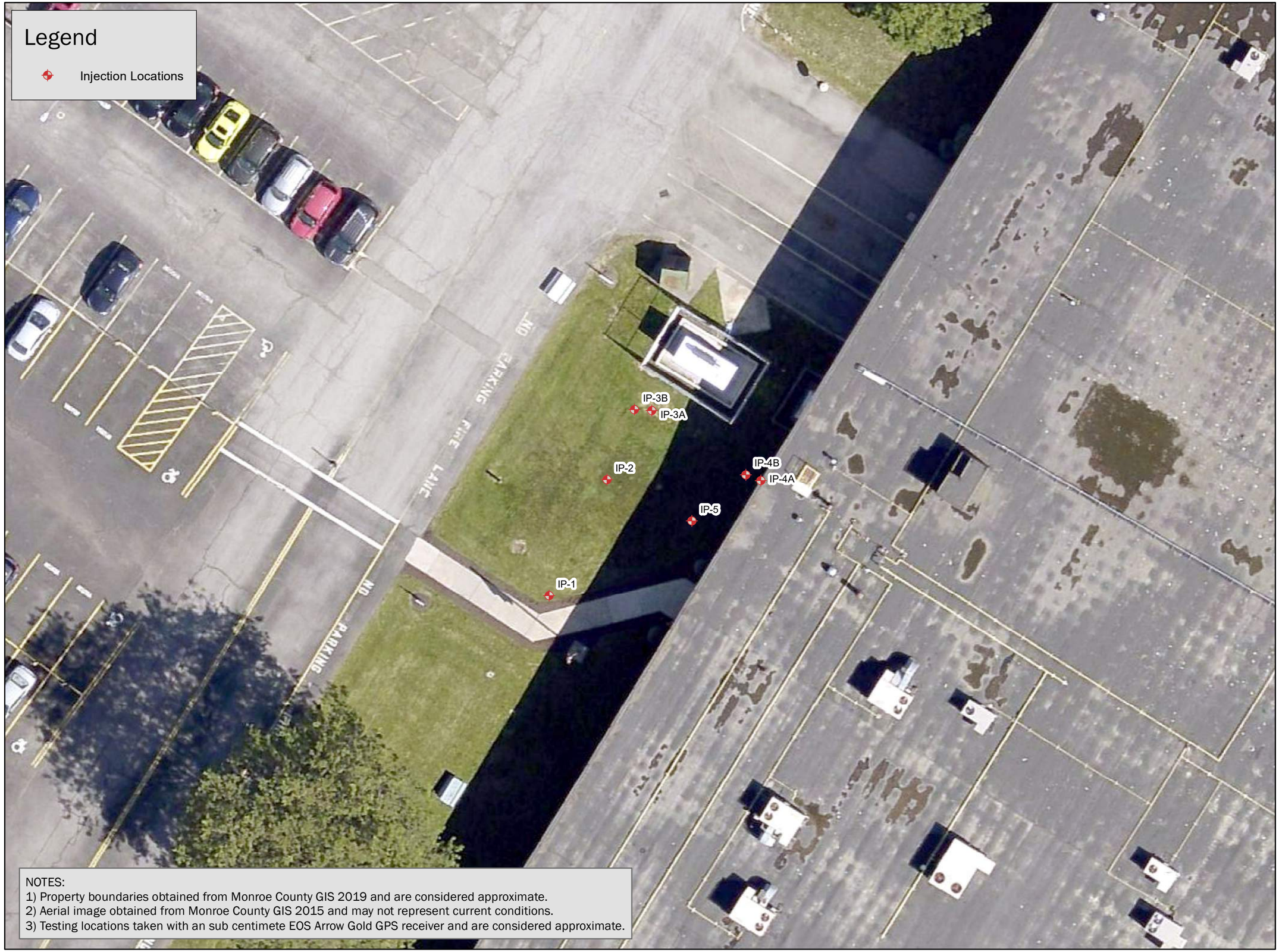
FIGURES



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N
W E
S

0 20
Feet
1 inch = 20 feet

INTENDED TO PRINT AS: 11" X 17"

CLIENT:
NORRY MANAGEMENT CORP

PROJECT:

3750 MONROE AVE
PITTSFORD, NEW YORK

DRAWING NAME:

INJECTION LOCATIOONS

PROJECT #/DRAWING #/ DATE

213131

FIGURE 1

1/13/2021

J:\Norry Management Corp\213131 - BCP Application 3750 Monroe Ave\Drawings\RI Report\2021\FIGURE 1 - Injection Locations.mxd

ATTACHMENT 1 –
WATER QUALITY PARAMETER LOGS

LaBella
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300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: RIGP-19

Project Name: BCP 3750 Monroe Avenue
Location: Rochester, NY
Project No.: 213131
Sampled By: K. Truong
Date: 9/15/2020
Weather: 55°F/Overcast

WELL SAMPLING INFORMATION

Well Diameter: 2”
Depth of Well: 19.63’
Measuring Point: Top of PVC
Pump Type: Bladder

Static Water Level: 7.45’
Length of Well Screen:
Depth to Top of Pump: 17’
Tubing Type: LHDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	pH +/- 0.1	Temp °C + 10%	Conductivity (mS/cm) +/- 3%	Turbidity (NTU) + 10%	Dissolved O_2 (mg/L) + 10%	Redox (mV) +/- 10 mV	Depth to Water Ft. BGS	Comments
1134			6.66	16.2	12.534	105.47	0.93	-17.1	7.75	
1139			6.69	16.3	12.683	67.98	0.83	-21.5	7.9	
1144			6.70	16.2	12.827	54.37	0.73	-23.6	8.2	
1149			6.72	16.4	12.874	44.90	0.72	-25.7	7.95	
1154			6.75	16.5	12.977	56.10	0.72	-27.2	7.90	
1159			6.77	16.5	13.085	57.06	0.71	-29.0	7.85	

Total _____ Gallons Purged

Purge Time Start: 1130 Purge Time End: 1159 Final Static Water Level: 7.85

OBSERVATIONS

Had to slow down the pump rate
Collected MS/MSD/Blind Dup (GW-BD-09152020) here
Collected PFAS Sample with a PFAS free bailer at 1030
Drummed up the purge water

LaBella
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300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: GPMW-19

Project Name: BCP 3750 Monroe Avenue
Location: Rochester, NY
Project No.: 213131
Sampled By: K. Truong
Date: 9/15/2020
Weather: 55°F/Overcast

WELL SAMPLING INFORMATION

Well Diameter: 1'
Depth of Well:
Measuring Point: Top of PVC
Pump Type: Peristaltic pump

Static Water Level: 1.05'
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	pH +/- 0.1	Temp °C + 10%	Conductivity (mS/cm) +/- 3%	Turbidity (NTU) + 10%	Dissolved O_2 (mg/L) + 10%	Redox (mV) +/- 10 mV	Depth to Water Ft. BGS	Comments
1554			8.15	23.7	2.204	450.93	3.52	91.6	4.85	
1559			8.25	23.9	2.108	527.12	4.80	82.7	5.9	
1604			8.26	23.6	2.104	1659.01	1.33	837	3.9	
1610			8.35	22.9	1.928	1644.48	3.07	-50.0	7.1	

Total _____ Gallons Purged

Purge Time Start: 1554 Purge Time End: 1610 Final Static Water Level: 7.1

OBSERVATIONS

Collected PFAS sample first with the pump before taking YSI data, did not want to put the groundwater meter into the well before sampling
Sampled at 1610 due to the dropping water levels – hard to control pump rate with the peristaltic pump
Drummed up the purge water

LaBella
Powered by partnership.

300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: GPMW-14

Project Name: BCP 3750 Monroe Avenue
Location: Rochester, NY
Project No.: 213131
Sampled By: K. Truong
Date: 9/21/2020
Weather: 66°F/Sunny

WELL SAMPLING INFORMATION

Well Diameter: 2”
Depth of Well: 37.94’
Measuring Point: Top of PVC
Pump Type: Bladder

Static Water Level: 11.02’
Length of Well Screen:
Depth to Top of Pump: 30’
Tubing Type:

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	pH +/- 0.1	Temp °C + 10%	Conductivity (mS/cm) +/- 3%	Turbidity (NTU) + 10%	Dissolved O_2 (mg/L) + 10%	Redox (mV) +/- 10 mV	Depth to Water Ft. BGS	Comments
1155	50 mL/min		6.99	16.4	2.609	70.48	5.31	123.4	10.1	
1200	50 mL/min		6.99	16.6	2.618	68.48	5.37	126.0	10.22	
1205	50 mL/min		7.00	17.2	2.627	54.03	5.36	132.0	10.02	
1210	50 mL/min		7.01	17.4	2.627	53.08	5.34	132.8	10.02	
1215	50 mL/min		7.02	17.8	2.635	39.84	5.31	134.8	9.95	

Total _____ Gallons Purged

Purge Time Start: 1150 Purge Time End: 1215 Final Static Water Level: _____

OBSERVATIONS

Sampled PFAS at 1145 with a PFAS free bailer
Drummed up the purge water

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Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: GPMW-11

Project Name: BCP 3750 Monroe Avenue
Location: Rochester, NY
Project No.: 213131
Sampled By: K. Truong
Date: 9/21/2020
Weather: 66°F/Sunny

WELL SAMPLING INFORMATION

Well Diameter: 1”
Depth of Well:
Measuring Point: Top of PVC
Pump Type: Peristaltic Pump

Static Water Level: 6.87’
Length of Well Screen:
Depth to Top of Pump: HPDE
Tubing Type:

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	pH +/- 0.1	Temp °C + 10%	Conductivity (mS/cm) +/- 3%	Turbidity (NTU) + 10%	Dissolved O_2 (mg/L) + 10%	Redox (mV) +/- 10 mV	Depth to Water Ft. BGS	Comments
1530	250		6.58	16.9	5.118	246.45	0.47	11.9	6.87	
1535	250		6.63	16.9	4.697	289.94	0.47	-61.0	6.75	
1540	250		7.9	16.9	4.636	331.40	0.47	-66.6	6.75	
1545	250		6.68	16.7	4.634	323.05	0.40	-72.9	6.75	
1550	250		6.69	16.7	4.632	322.82	0.39	-74.9	6.75	
1555	250		6.70	16.5	4.625	308.00	0.38	-78.3	6.75	
1600	250		6.70	16.4	4.618	303.25	0.37	-80.00	6.75	

Total _____ Gallons Purged

Purge Time Start: 1530 Purge Time End: 1600 Final Static Water Level: 6.75

OBSERVATIONS

Sampled PFAS at 1520 with peristaltic pump before taking the water level measurement and parameters
Drummed up the purge water

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Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: GPMW-14

Project Name: BCP 3750 Monroe Avenue
Location: Rochester, NY
Project No.: 213131
Sampled By: K. Truong
Date: 11/10/2020
Weather: 72°F/Sunny

WELL SAMPLING INFORMATION

Well Diameter:	2”	Static Water Level:	7.8’
Depth of Well:	37.85’	Length of Well Screen:	
Measuring Point:	Top of PVC	Depth to Top of Pump:	30’
Pump Type:	Bladder	Tubing Type:	LHDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS	Comments
1125	51		16.5	4.51	2.623	7.17	66.4	20.25	8.23	
1130	51		16.3	5.01	2.625	7.18	48.9	33.19	8.80	
1135	51		16.4	4.52	2.623	7.17	43.7	14.79	9.10	
1140	51		16.4	3.55	2.624	7.15	35.1	12.43	9.35	
1145	51		16.5	2.73	2.626	7.15	29.8	7.80	9.40	
1150	51		16.6	2.11	2.624	7.14	24.2	6.70	9.42	
1155	51		16.6	1.67	2.626	7.15	18.9	5.01	9.55	
1200	51		16.8	1.39	2.625	7.15	15.8	5.30	9.60	

Total _____ Gallons Purged

Purge Time Start: 1125 Purge Time End: 1200 Final Static Water Level: 9.60

OBSERVATIONS

Pump rate: Refill at 12, discharge at 3.0, at 1135, refill at 13, discharge at 2.0
Drummed up the purge water

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Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: GPMW-11

Project Name: BCP 3750 Monroe Avenue
Location: Rochester, NY
Project No.: 213131
Sampled By: K. Truong
Date: 11/10/2020
Weather: 66°F/Sunny

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	8.53'
Depth of Well:	14.85'	Length of Well Screen:	
Measuring Point:	Top of PVC	Depth to Top of Pump:	12'
Pump Type:	Peristaltic Pump	Tubing Type:	LDHPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (mL/min)	Gallons Purged	Temp °C	Dissolved O_2 (mg/L) + 10%	Conductivity (mS/cm) +/- 3%	pH +/- 0.1	Redox (mV) +/- 10 mV	Turbidity (NTU) + 10%	Depth to Water Ft. BGS	Comments
1315			21.4	0.41	3.111	6.77	-112.0	523.06		Odor like injections (vegetable oil)
1320			21.0	0.26	3.440	6.71	-103.1	356.24		
1325			21.0	0.24	3.607	6.69	-96.1	266.76		
1330			21.1	0.24	3.546	6.71	-92.9	404.25	8.8	
1335			21.0	0.32	3.060	6.78	-99.0	235.07		
1340			21.1	0.23	3.250	6.73	-95.1	70380		
1345			21.1	0.20	3.574	6.71	-96.0	155.06		
1350			21.1	0.18	3.622	6.72	-97.0	200.03		

Total _____ Gallons Purged

Purge Time Start: 1308 Purge Time End: 1350 Final Static Water Level: 8.8

OBSERVATIONS

Tried to slow the peristaltic pump to the slowest setting
At 1330, stopped pump to take SWL (not enough room to have both water meter and tubing down the well). Left the water meter at 12' bgs and tubing at 11' to make sure SWL doesn't drop too quickly.
Drummed up the purge water

ATTACHMENT 2 –

PROVECTUS PRODUCT SAFETY DATA SHEETS (SDS)

SDS DATE: July, 2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Emulsified Zero Valent Iron (antimethanogenic)
SYNONYMS: EZVI /EZVI-CH4™
PRODUCT CODES:

MANUFACTURER: Provectus Environmental Products, Inc
ADDRESS: 2871 W. Forest Road, #2
Freeport, IL 61032

EMERGENCY PHONE: (815) 650-2230
CHEMTREC PHONE: (800) 424-9300 (Domestic)
OTHER CALLS:
FAX PHONE:

CHEMICAL NAME: Emulsified Zero Valent Iron (EZVI/EZVI-CH4™)
CHEMICAL FAMILY:
CHEMICAL FORMULA:

PRODUCT USE: Soil & Groundwater Remediation (DNAPL contamination)
PREPARED BY: Provectus Environmental Products, Inc.
SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	% WT	% VOL	SARA 313 REPORTABLE
Iron (Fe)	7439-89-6	5 – 20	NA	NA
Sorbitan Trioleate	26266-58-0	1 – 5	NA	NA
Food Grade Veg Oil	8001-22-7	30 – 40	NA	NA
Potable Water	7732-18-5	40 – 50	NA	NA
Yeast Extracts*	8013-01-2	0.5 – 5	NA	NA

*(some formulations contain - e.g. EZVI-CH4™)

	ppm	mg/m3
OSHA PEL-TWA:	NA	NA
OSHA PEL STEL :	NA	NA
OSHA PEL CEILING:	NA	NA
ACGIH TLV-TWA:	NA	NA
ACGIH TLV STEL:	NA	NA
ACGIH TLV CEILING:	NA	NA

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY:

EYES: YES

SKIN: NO

INGESTION: YES

INHALATION: NO

ACUTE HEALTH HAZARDS: NONE KNOWN
CHRONIC HEALTH HAZARDS: NONE KNOWN
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN
CARCINOGENICITY
OSHA: NA **ACGIH:** NA **NTP:** NA **IARC:** NA **OTHER:** NA

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: In case of eye contact, rinse opened eye for 15 minutes with water, then consult physician.

SKIN: In case of skin contact, immediately wash affected area(s) with soap & water and rinse thoroughly.

INGESTION: After swallowing seek immediate medical advice. Make physician aware that the following symptoms may occur; stomach cramps, nausea, gastric or intestinal disorders.

INHALATION: NA

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: NA
(% BY VOLUME) LOWER: NA

FLASH POINT:
F: >482 ºF
C: >250 ºC
METHOD USED: Closed Cup

AUTOIGNITION TEMPERATURE:
F: >760 ºF
C: >404 ºC

NFPA HAZARD CLASSIFICATION
HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 1
OTHER:

HMIS HAZARD CLASSIFICATION
HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 1
PROTECTION:

EXTINGUISHING MEDIA: Extinguishing Powder

SPECIAL FIRE FIGHTING PROCEDURES: DO NOT use water, CO2, or halogenated extinguishers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

HAZARDOUS DECOMPOSITION PRODUCTS: NA

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:
Personal Safety Measures: Wear protective equipment, keep unprotected persons away, ensure adequate ventilation
Environmental Safey Measures: NA
Spill/Cleanup Safety Measures: Dispose of collected waste and contaminated materials as directed in Section 7.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Spilled material should be contained and recovered into drums
OTHER PRECAUTIONS: Store in cool, dry, ventilated area. Do Not store near halogens, oxidizers or acidic materials. Keep ignition sources away and ensure good ventilation.

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Block off handling or spill area from unprotected persons

VENTILATION : Ensure area is adequately ventilated.

RESPIRATORY PROTECTION: NA

EYE PROTECTION: safety goggles/splash shield

SKIN PROTECTION: tyvec suit with rubberized gloves (neoprene)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: slip resistant footwear

WORK HYGIENIC PRACTICES: Surfaces covered with EZVI can become VERY slippery. Exercise additional care when handling/cleaning up to avoid slip and fall injury.

EXPOSURE GUIDELINES: NA

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Black/Dark Gray viscous material
ODOR: cooking oil odor
PHYSICAL STATE: liquid

pH AS SUPPLIED:
pH (Other):
BOILING POINT:
F: >572 ºF
C: >300 ºC
MELTING POINT:
F: NA
C: NA
FREEZING POINT:
F: - 4 ºF
C: - 20 ºC
VAPOR PRESSURE (mmHg):
@
F: NA
C: NA
VAPOR DENSITY (AIR = 1):
@
F: NA
C: NA
SPECIFIC GRAVITY (H2O = 1): 1.05 – 1.13

EVAPORATION RATE: NA

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: Insoluble
PERCENT SOLIDS BY WEIGHT: 5 – 20 %
PERCENT VOLATILE:
BY WT/ BY VOL @
F: NA
C: NA
VOLATILE ORGANIC COMPOUNDS (VOC):
WITH WATER: NA **LBS/GAL**
WITHOUT WATER: NA LBS/GAL
VISCOSITY: ~ 1100 cps (@ 75 ºF)

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

	STABLE	UNSTABLE
STABILITY:	X	

CONDITIONS TO AVOID (STABILITY): AVOID IMPROPER HANDLING & STORAGE CONDITIONS
INCOMPATIBILITY (MATERIAL TO AVOID): HALOGENS, ACIDS, OXIDIZERS
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
HAZARDOUS POLYMERIZATION: NA
CONDITIONS TO AVOID (POLYMERIZATION): NA
SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: NA

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NA

SECTION 12 NOTES: Used for environmental cleanup of contaminated soils and groundwater. EZVI is biodegradeable in the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Place waste into appropriate containers

RCRA HAZARD CLASS: NA
SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION
- PROPER SHIPPING NAME: Emulsified Zero Valent Iron (EZVI)
- HAZARD CLASS: NA
- ID NUMBER: NA
- PACKING GROUP: NONE
- LABEL STATEMENT:

WATER TRANSPORTATION
- PROPER SHIPPING NAME: Emulsified Zero Valent Iron (EZVI)
- HAZARD CLASS: NA
- ID NUMBER: NA
- PACKING GROUP: NONE
- LABEL STATEMENTS:

AIR TRANSPORTATION
- PROPER SHIPPING NAME: Emulsified Zero Valent Iron (EZVI)
- HAZARD CLASS: NA
- ID NUMBER: NA
- PACKING GROUP: NONE
- LABEL STATEMENTS:

OTHER AGENCIES:
SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): NA

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NA

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NA

311/312 HAZARD CATEGORIES: NA

313 REPORTABLE INGREDIENTS: NA

STATE REGULATIONS: NA

INTERNATIONAL REGULATIONS: NA

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: NA

PREPARATION INFORMATION: NA

DISCLAIMER: The information contained herein relates only to the specific material identified. Provectus believes that such information is accurate and reliable but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Provectus urges individuals receiving this information to make their own determination as to the suitability and completeness of the information for their particular application.

Safety Data Sheet (SDS)

OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 01/25/2016 Reviewed on 01/23/2016

* 1 Identification

· **Product identifier**

· **Trade name: Provect-IR ISCR Reagent (Antimethanogenic)**
· **Product description**
Remediation product for the treatment of soil, sediment and groundwater. Not for use in potable water sources.

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Provectus Environmental Products, Inc.
2871 W. Forest Road - Suite 2
Freeport, IL 61032
Phone: 815-650-2230
Fax: 815-650-2230
www.provectusenvironmental.com
· **Emergency telephone number:** 815-650-2230

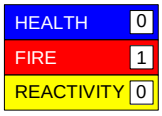
* 2 Hazard(s) identification

· **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

· **Label elements**
· **GHS label elements** Non-Regulated Material
· **Hazard pictograms** Non-Regulated Material
· **Signal word** Non-Regulated Material
· **Hazard statements** Non-Regulated Material
· **Hazard description:**
CONTAINMENT HAZARD: Any vessel that contains wetted reagent must be vented due to potential pressure build up from fermentation gases.
· **Classification system:**
· **NFPA ratings (scale 0 - 4)**

Health = 0
Fire = 1
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 0
Fire = 1
Reactivity = 0

3 Composition/information on ingredients

	Proprietary	40 to 90%
7439-89-6	iron	5 to 90%
4075-81-4	calcium dipropionate	0 to 4%

· **Chemical characterization: Mixtures**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

8013-01-2	Yeast extracts	STOT SE 3, H335	0.5 to 5%

(Contd. on page 2)

Safety Data Sheet (SDS)

OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 01/25/2016 Reviewed on 01/23/2016

Trade name: Provect-IR ISCR Reagent

(Contd. of page 1)

9000-30-0	Guar gum	STOT SE 3, H335; Eye Irritant 2B, H320; Combustible Dust	0 to 5%
7757-83-7	sodium sulfite	Acute Toxicity 4, H302	0 to 2%

· ***Additional information:*** Product contains red yeast rice

4 First-aid measures

· ***Description of first aid measures***
· ***After inhalation:*** Remove person to fresh air. If signs/symptoms continue, get medical attention.
· ***After skin contact:*** Wash off with soap and water. Get medical attention if irritation develops.
· ***After eye contact:*** Flush with water for 5 minutes
· ***After swallowing:***
Rinse mouth with water and afterwards drink plenty of milk or water. Call a poison control center or doctor immediately for treatment advice.
· ***Most important symptoms and effects, both acute and delayed*** No further relevant information available.
· ***Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

5 Fire-fighting measures

· ***Extinguishing media***
· ***Suitable extinguishing agents:***
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· ***Special hazards arising from the substance or mixture*** No further relevant information available.
· ***Advice for firefighters***
· ***Protective equipment:*** No special measures required.

* 6 Accidental release measures

· ***Personal precautions, protective equipment and emergency procedures*** Not required.
· ***Environmental precautions:*** Do not allow to enter sewers or potable water sources.
· ***Methods and material for containment and cleaning up:***
Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Sweep or vacuum up spillage and place in vented container.
· ***Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and storage

· ***Precautions for safe handling*** No special measures required.
· ***Information about protection against explosions and fires:*** Combustible material

· ***Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:***
CONTAINMENT HAZARD: Any vessel that contains wetted reagent must be vented due to potential pressure build up from fermentation gases.
· ***Information about storage in one common storage facility:*** Not required.
· ***Further information about storage conditions:***
Keep tightly closed in a dry and cool place. Keep away from open flames, hot surfaces and sources of ignition. Any material that is wetted must be vented due to potential pressure build up from fermentation gases.

(Contd. on page 3)

Safety Data Sheet (SDS)

OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 01/25/2016 Reviewed on 01/23/2016

Trade name: Provect-IR ISCR Reagent

(Contd. of page 2)

· ***Specific end use(s)*** No further relevant information available.

*
8 Exposure controls/personal protection

· ***Additional information about design of technical systems:*** No further data; see section 7.

· ***Control parameters***
· ***Components with occupational exposure limits:***
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· ***Additional information:***
Dry or powdered ingredients are combustible. Dispersal of finely divided dust from products into air may form mixtures that are ignitable and explosive. Minimize airborne dust generation and eliminate sources of ignition.

· ***Exposure controls***
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
The usual precautionary measures for handling chemicals should be followed.
· ***Breathing equipment:*** Not required.
· ***Protection of hands:*** Not required.
· ***Eye protection:*** Not required.

*
9 Physical and chemical properties

· ***Information on basic physical and chemical properties***
· ***General Information***
· ***Appearance:***

Form:	Solid
Color:	Brown to Green
· ***Odor:***	Pleasant
· ***Odor threshold:***	Not determined.
· ***pH-value:***	Not applicable.
· ***Change in condition***	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Undetermined.
· ***Flash point:***	Not applicable.
· ***Flammability (solid, gaseous):***	Not determined.
· ***Ignition temperature:***	
Decomposition temperature:	Not determined.
· ***Auto igniting:***	Product is not self-igniting.
· ***Danger of explosion:***	Dry or powdered ingredients are combustible. Dispersal of finely divided dust from products into air may form mixtures that are ignitable and explosive. Minimize airborne dust generation and eliminate sources of ignition.
· ***Explosion limits:***	
Lower:	Not determined.
Upper:	Not determined.
· ***Vapor pressure:***	Not applicable.
· ***Density:***	Not determined.

(Contd. on page 4)

Safety Data Sheet (SDS)

OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 01/25/2016 Reviewed on 01/23/2016

Trade name: Provect-IR ISCR Reagent

(Contd. of page 3)

· **Relative density** Not determined.
· **Vapor density** Not applicable.
· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with**
Water: Soluble.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**
Dynamic: Not applicable.
Kinematic: Not applicable.

· **Solvent content:**
Organic solvents: 0.0 %

Solids content: 100.0 %
· **Other information** No further relevant information available.

10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability** Product is stable under normal conditions.
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** Product dust may cause eye irritation.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.
· **NTP (National Toxicology Program)**
None of the ingredients is listed.
· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.

(Contd. on page 5)

Safety Data Sheet (SDS)

OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 01/25/2016 Reviewed on 01/23/2016

Trade name: Provect-IR ISCR Reagent

(Contd. of page 4)

· ***Persistence and degradability*** No further relevant information available.
· ***Bioaccumulative potential*** No further relevant information available.
· ***Mobility in soil*** No further relevant information available.
· ***Additional ecological information:***
· ***General notes:*** Water hazard class 1 (Self-assessment): slightly hazardous for water
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.
· ***Other adverse effects*** No further relevant information available.

13 Disposal considerations

· ***Waste treatment methods***
· ***Recommendation:*** Smaller quantities can be disposed of with household waste.

· ***Uncleaned packaging:***
· ***Recommendation:*** Disposal according to official regulations municipal.
· ***Recommended cleansing agent:*** Water, if necessary with cleansing agents.

* 14 Transport information

· ***UN-Number***
· ***DOT, ADR, ADN, IMDG, IATA*** Non-Regulated Material
· ***UN proper shipping name***
· ***DOT, ADR, ADN, IMDG, IATA*** Non-Regulated Material
· ***Transport hazard class(es)***

· ***DOT, ADR, ADN, IMDG, IATA***
· ***Class*** Non-Regulated Material
· ***Packing group***
· ***DOT, ADR, IMDG, IATA*** Non-Regulated Material
· ***Environmental hazards:***
· ***Marine pollutant:*** No
· ***Special precautions for user*** Not applicable.
· ***Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code*** Not applicable.
· ***UN "Model Regulation":*** -

15 Regulatory information

· ***Safety, health and environmental regulations/legislation specific for the substance or mixture***
· ***Sara***

· ***Section 355 (extremely hazardous substances):***

None of the ingredients is listed.

· ***Section 313 (Specific toxic chemical listings):***

None of the ingredients is listed.

· ***TSCA (Toxic Substances Control Act):***

7439-89-6	iron
4075-81-4	calcium dipropionate
8013-01-2	Yeast extracts
9000-30-0	Guar gum
7757-83-7	sodium sulfite

(Contd. on page 6)

Safety Data Sheet (SDS)

OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 01/25/2016 Reviewed on 01/23/2016

Trade name: Provect-IR ISCR Reagent

(Contd. of page 5)

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** Non-Regulated Material
· **Hazard pictograms** Non-Regulated Material
· **Signal word** Non-Regulated Material
· **Hazard statements** Non-Regulated Material

· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· **State Right to Know**

	Proprietary	40-90%
7439-89-6	iron	5-90%
4075-81-4	calcium dipropionate	2-12%
8013-01-2	Yeast extracts STOT SE 3, H335	≤ 2.5%
9000-30-0	Guar gum STOT SE 3, H335; Eye Irrit. 2B, H320; Combustible Dust	≤ 2.5%
7757-83-7	sodium sulfite Acute Tox. 4, H302	≤ 2.5%

All ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 01/23/2016 / 4
· **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association

(Contd. on page 7)

Safety Data Sheet (SDS)

OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Printing date 01/25/2016 *Reviewed on 01/23/2016*

Trade name: Provect-IR ISCR Reagent

(Contd. of page 6)

ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
Acute Tox. 4: Acute toxicity, Hazard Category 4
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· **** Data compared to the previous version altered.***

SDS / MSDS Created by MSDS Authoring Services (www.MSDSAuthoring.com)

ATTACHMENT 3 –
INJECTION LOGS

LaBella
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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING:	**IP-1**
SHEET	1 OF 2
JOB:	**213131**
CHKD BY:	JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: K.Truong

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 9/28/2020 END DATE: 9/29/2020

TIME: 13:10 TO 10:15
DATUM: NA
WEATHER: 71° F, Mostly Cloudy

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: Protect-IR50 Slurry

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
0							
1							
2							
3							
4							
5							
6							
7		7' - 9'	35	No daylighting observed during interval injection, average PSI: 200; 66 lbs of Provect-IR50 + 26 gallons of water	9/29/2020	10:00	10:15
8							
9		9' - 11'	35	No daylighting observed during interval injection, average PSI: 175; 66 lbs of Provect-IR50 + 26 gallons of water	9/29/2020	9:37	9:50
10							
11		11' - 13'	35	No daylighting observed during interval injection, average PSI: 100; 66 lbs of Provect-IR50 + 26 gallons of water	9/29/2020	9:11	9:25
12							
13		13' - 15'	35	No daylighting observed during interval injection, average PSI: 150; 66 lbs of Provect-IR50 + 26 gallons of water	9/28/2020	15:06	15:20
14							
15		15' - 17'	35	No daylighting observed during interval injection, average PSI: 150; 66 lbs of Provect-IR50 + 26 gallons of water	9/28/2020	14:46	14:57
16							
17		17' - 19'	35	No daylighting observed during interval injection, average PSI: 175; 66 lbs of Provect-IR50 + 26 gallons of water	9/28/2020	14:25	14:37
18							
19		19' - 21'	35	No daylighting observed during interval injection, average PSI: 175; 66 lbs of Provect-IR50 + 26 gallons of water	9/28/2020	14:08	14:17
20							

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)		
TOP 20'	NEXT 20'	TOTAL QUANTITY
245	70	315

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: IP-1

LaBella
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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: IP-1
SHEET 2 OF 2
JOB: 213131
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: K.Truong

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 9/28/2020 END DATE: 9/29/2020

TIME: 13:10 TO 10:15
DATUM: NA
WEATHER: 71° F, Mostly Cloudy

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: Protect-IR50 Slurry

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
20		19' - 21'		[Continued from first page]	9/28/2020	14:08	14:17
21		21' - 23'	35	Provectus IR-50 keeps coming out of solution, need to continuously mix compound to keep it suspended, average PSI: 175; 66 lbs of Provect-IR50 + 26 gallons of water	9/28/2020	13:46	13:55
22							
23		23' - 25'	35	No daylighting observed during interval injection, average PSI: 100-150; 66 lbs of Provect-IR50 + 26 gallons of water	9/28/2020	13:13	13:24
24							
25				**END INJECTION**			
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)		
TOP 20'	NEXT 20'	TOTAL QUANTITY
245	70	315

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: IP-1

LaBella
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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: IP-2
SHEET 1 OF 2
JOB: 213131
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: K. Truong & A. Brett

BORING LOCATION: IP-2
GROUND SURFACE ELEVATION: NA
START DATE: 10/5/2020 END DATE: 10/6/2020

TIME: 13:05 TO 9:10
DATUM: NA
WEATHER: 53° F, Cloudy

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: Protect-IR50 Slurry

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
0							
1							
2							
3							
4							
5							
6							
7		7' - 9'	35	Started at 8'-bgs, pushed back to 9'-bgs to prevent daylighting; approximately 30 gallons lost due to daylighting when rods removed; 66 lb. Provect IR-50 and 26 gallons of water	10/6/2020	8:58	9:08
8							
9		9' - 11'	35	No daylighting observed during injection; 66 lb. Provect IR-50 and 26 gallons of water	10/6/2020	8:42	8:53
10							
11		11' - 13'	35	No daylighting observed during injection; 66 lb. Provect IR-50 and 26 gallons of water	10/6/2020	8:24	8:34
12							
13		13' - 15'	35	No daylighting observed during interval injection, average PSI: 100; 66 lb. Provect IR-50 and 26 gallons of water	10/5/2020	14:38	14:50
14							
15		15' - 17'	35	No daylighting observed during interval injection, average PSI: 100; 66 lb. Provect IR-50 and 26 gallons of water	10/5/2020	14:20	14:50
16							
17		17' - 19'	35	No daylighting observed during interval injection, average PSI: 150; 66 lb. Provect IR-50 and 26 gallons of water	10/5/2020	14:00	14:10
18							
19		19' - 21'	35	No daylighting observed during interval injection, average PSI: 100; 66 lb. Provect IR-50 and 26 gallons of water	10/5/2020	13:42	13:52
20							

WATER LEVEL DATA			INJECTION QUANTITIES (GAL)		
DATE	TIME	ELAPSED TIME	TOP 20'	NEXT 20'	TOTAL QUANTITY
			245	70	315

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: IP-2

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: IP-2
SHEET 2 OF 2
JOB: 213131
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: K. Truong & A. Brett

BORING LOCATION: IP-2
GROUND SURFACE ELEVATION: NA
START DATE: 10/5/2020 END DATE: 10/6/2020

TIME: 13:05 TO 9:10
DATUM: NA
WEATHER: 53° F, Cloudy

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: Protect-IR50 Slurry

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
20		19' - 21'		See page 1	10/5/2020	13:42	13:52
21		21' - 23'	35	No daylighting observed during interval injection, average PSI: 100; 66 lb. Provect IR-50 and 26 gallons of water	10/5/2020	13:25	13:34
22							
23		23' - 25'	35	No daylighting observed during interval injection, average PSI: 150; 66 lb. Provect IR-50 and 26 gallons of water	10/5/2020	13:08	13:18
24							
25				**END INJECTION**			
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)		
TOP 20'	NEXT 20'	TOTAL QUANTITY
245	70	315

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

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some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: IP-2

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: IP-3 (A&B)
SHEET 1 OF 2
JOB: 213131
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: J. Pristach

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 10/8/2020 END DATE: 10/8/2020

TIME: 9:05 TO 13:15
DATUM: NA
WEATHER: 60F, Sunny

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: Protect-IR50 Slurry

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
0							
1							
2							
3							
4							
5							
6							
7		7' - 11'	45	Significant daylighting observed during injection; approximately 10-15 gallons lost	10/8/2020	12:55	13:15
8							
9							
10							
11		11' - 13'	37	Significant daylighting observed during injection; approximately 10-15 gallons lost	10/8/2020	10:58	11:44
12							
13		13' - 15'					
14							
15		15' - 17'					
16							
17		17' - 19'	8	Significant daylighting observed during injection; approximately 10-15 gallons lost	10/8/2020	10:51	10:53
18							
19		19' - 21'	18	Significant daylighting observed during injection; approximately 10-15 gallons lost	10/8/2020	10:32	10:39
20							

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)		
TOP 20'	NEXT 20'	TOTAL QUANTITY
108	197	305

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

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some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

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INJ. PT.: IP-3 (A&B)

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: IP-3 (A&B)
SHEET 2 OF 2
JOB: 213131
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: J. Pristach

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 10/6/2020 END DATE: 10/8/2020

TIME: 9:05 TO 13:15
DATUM: NA
WEATHER: 60F, Sunny

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: Protect-IR50 Slurry

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
20		19' - 21'		[Continued from first page]	10/8/2020	10:32	10:39
21		21' - 23'	37	No daylighting observed during injection	10/8/2020	9:46	10:03
22							
23		23' - 26'	35	Approximately 35 gallons injected during first event at point 3A - product daylighted at IP-2; two (2) injection rounds performed at 3B (70 gal total) in attempt to prevent additional daylighting	10/6/2020	10:02	10:12
			35		10/8/2020	9:06	9:20
24			35		10/8/2020	9:26	9:40
			55		10/8/2020	12:26	12:27
25				**END INJECTION**			
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

WATER LEVEL DATA		
DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)		
TOP 20'	NEXT 20'	TOTAL QUANTITY
108	197	305

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

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M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
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A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: IP-3 (A&B)

LaBella
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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: IP-4 (A&B)
SHEET 1 OF 2
JOB: 213131
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Brett & J. Pristach

BORING LOCATION: IP-4A & IP-4B
GROUND SURFACE ELEVATION: NA
START DATE: 10/6/2020 END DATE: 10/7/2020

TIME: 12:15 TO 16:35
DATUM: NA
WEATHER: 57° F, Rain

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: Protect-IR50 Slurry

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
0							
1							
2							
3							
4							
5							
6							
7		7' - 9'	45	No daylighting observed during injection; injected at IP-4B	10/7/2020	16:15	16:35
8							
9		9' - 11'	38	No daylighting observed during injection; injected at IP-4B	10/7/2020	15:53	15:58
10							
11		11' - 13'	38	No daylighting observed during injection; injected at IP-4B;	10/7/2020	15:26	15:44
12							
13		13' - 15'	35	No daylighting observed during injection; injected at IP-4B	10/7/2020	14:30	14:44
14							
15		15' - 17'	35	No daylighting observed during injection; injected at IP-4B; work paused after injection due to thunderstorms in area	10/7/2020	13:14	13:27
16							
17		17' - 19'	33	Approximately five (5) gallons lost due to daylighting around rods; rods were advanced deeper to see if this would prevent daylighting, but daylighting still occurring; injected at IP-4A	10/6/2020	14:33	14:43
18							
19		19' - 21'	33	No daylighting observed during injection interval; injected at IP-4A	10/6/2020	14:03	14:23
20							

WATER LEVEL DATA		
DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)		
TOP 20'	NEXT 20'	TOTAL QUANTITY
257	66	323

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

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M = Medium
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BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: IP-4 (A&B)

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: IP-4 (A&B)
SHEET 2 OF 2
JOB: 213131
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Brett & J. Pristach

BORING LOCATION: IP-4A & IP-4B
GROUND SURFACE ELEVATION: NA
START DATE: 10/6/2020 END DATE: 10/7/2020

TIME: 12:15 TO 16:35
DATUM: NA
WEATHER: 57° F, Rain

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: Protect-IR50 Slurry

DEPTH (FT)	SAMPLE DATA: INJ. DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
20		19' - 21'		[CONTINUED FROM PREVIOUS PAGE]			
21							
22		21' - 23'	33	No daylighting observed during injection interval; injected at IP-4A	10/6/2020	12:45	12:56
23							
24		23' - 25'	33	No daylighting observed during injection interval; injected at IP-4A	10/6/2020	12:16	12:26
25				**END INJECTION**			
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)

TOP 20'	NEXT 20'	TOTAL QUANTITY
257	66	323

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: IP-4 (A&B)

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: IP-5
SHEET 1 OF 2
JOB: 213131
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: J. Pristach

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 10/7/2020 END DATE: 10/7/2020

TIME: 8:50 TO 13:25
DATUM: NA
WEATHER: 57° F, Rain

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: Protect-IR50 Slurry

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
0							
1							
2							
3							
4							
5							
6							
7		7' - 9'		Interval not performed due to extensive daylighting			
8							
9		9' - 11'	37	Approximately 5-10 gallons lost due to daylighting	10/7/2020	12:22	12:35
10							
11		11' - 13'	10	Interval moved to 10' bgs after extensive daylighting, approximately 15-20 gallons	10/7/2020	12:12	12:15
12							
13		13' - 15'		Interval not performed due to extensive daylighting			
14							
15		15' - 17'	37	Approximately 5-10 gallons lost due to daylighting	10/7/2020	11:43	11:57
16							
17		17' - 19'	35	No daylighting observed	10/7/2020	11:24	11:37
18							
19		19' - 21'	35	No daylighting observed; interval log continued on next page	10/7/2020	11:03	11:15
20							

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)		
TOP 20'	NEXT 20'	TOTAL QUANTITY
154	70	224

NOTES:
Injection point was termed due to extensive daylighting approximately 25' away, likely due to presence of utility bedding

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: IP-5

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: IP-5
SHEET 2 OF 2
JOB: 213131
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: J. Pristach

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 10/7/2020 END DATE: 10/7/2020

TIME: 8:50 TO 13:25
DATUM: NA
WEATHER: 57° F, Rain

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: Protect-IR50 Slurry

DEPTH (FT)	SAMPLE DATA: INJ. DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
20		19' - 21'		[Continued from first page]	10/7/2020	11:03	11:15
21							
22		21' - 23'	35	No daylighting observed during injection; air compressor stopped working after injection	10/7/2020	8:57	9:11
23							
24		23' - 25'	35	No daylighting observed during injection	10/7/2020	13:13	13:24
25				**END INJECTION**			
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

WATER LEVEL DATA		
DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)		
TOP 20'	NEXT 20'	TOTAL QUANTITY
154	70	224

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: IP-5

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Powered by partnership.

300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: **Interior IP-1**
SHEET 1 OF 2
JOB: **213131**
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: K.Truong

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 9/30/2020 END DATE: 10/1/2020

TIME: TO
DATUM: NA
WEATHER: 71° F, Mostly Cloudy

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: EZVI-CH4

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16		16'	6	After injecting approximately 6 gallons, daylighting occurred during interval injection. Decided to drill another injection point 5 ft away from IP-1 down to 16 feet, (Interior IP-2)	10/1/2020	8:28	8:32
17							
18		19'	43	No daylighting observed during interval injection, average PSI: 175-200, last injection for the day. Daylighting occurred when pulling rods up.	9/30/2020	14:17	14:49
19							
20							

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)

TOP 20'	NEXT 20'	TOTAL QUANTITY
49	86	135

NOTES:
See Interior IP-2

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: **Interior IP-1**

LaBella
Powered by partnership.

300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: Interior IP-1
SHEET 2 OF 2
JOB: 213131
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: K.Truong

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 9/30/2020 END DATE: 10/1/2020

TIME: TO
DATUM: NA
WEATHER: 71° F, Mostly Cloudy

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: EZVI-CH4

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
20		19'		[Continued from first page]	9/30/2020	14:17	14:49
21							
22		22'	43	No daylighting observed during interval injection, average PSI: 175-200	9/30/2020	13:39	14:06
23							
24		24'	43	No daylighting observed during interval injection	9/30/2020	13:13	13:37
25				**END INJECTION**			
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME

INJECTION QUANTITIES (GAL)		
TOP 20'	NEXT 20'	TOTAL QUANTITY
49	86	135

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: Interior IP-1

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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: **Interior IP-2**
SHEET 1 OF 1
JOB: **213131**
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: K.Truong

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 10/1/2020 END DATE: 10/2/2020

TIME: TO
DATUM: NA
WEATHER: 71° F, Mostly Cloudy

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: EZVI-CH4

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
0							
1							
2							
3							
4							
5		5'	10	Injected 10 gallons into hole before daylighting occurred out of the same hole. Stopped injections, drilled a new well next to GPMW-25. After drilling new well, drilled a new injection point further away from area (interior IP-3)	10/2/2020	9:32	9:35
6							
7							
8							
9							
10							
11							
12							
13							
14							
15				Day lighting occurred out of Interior IP-1, had to grout the orginial IP-1 hole. Had wait 24 hours for grout to set before inejctions. Started injections on 10/2/2020, average PSI was 150-200, no daylighting occurred until end of injection - started daylighting out of GPMW-25			
16		16'	88		10/1/2020 to 10/2/2020	10:25	8:57
17							
18							
19							
20							

WATER LEVEL DATA			INJECTION QUANTITIES (GAL)		
DATE	TIME	ELAPSED TIME	TOP 20'	NEXT 20'	TOTAL QUANTITY
			98	N/A	0

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: **Interior IP-2**

LaBella
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300 STATE STREET, ROCHESTER, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

TEST BORING LOG

Injection Log
Geoprobe® Injection
3750 Monroe Avenue, Pittsford, NY
Client: 3750 Monroe Ave. LLC

BORING: **Interior IP-3**
SHEET 1 OF 1
JOB: **213131**
CHKD BY: JAP

CONTRACTOR: LaBella Environmental, LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: K.Truong

BORING LOCATION:
GROUND SURFACE ELEVATION: NA
START DATE: 10/2/2020 END DATE: 10/2/2020

TIME: TO
DATUM: NA
WEATHER: 71° F, Mostly Cloudy

TYPE OF DRILL RIG: Geoprobe®
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macro Core
INSIDE DIAMETER: ~1.8"
PRODUCT: EZVI-CH4

DEPTH (FT)	SAMPLE DATA: DEPTH BGS	SAMPLE DATA: INJECTION INTERVAL	SAMPLE DATA: INJECTION VOLUME (GAL)	NOTES	INJ. DATE	START	END
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12		12'	63	No daylighting observed during interval injection, average PSI: 100-150, last of the injections for the interior	10/2/2020	13:27	14:10
13							
14							
15							
16							
17							
18							
19							
20							

WATER LEVEL DATA			INJECTION QUANTITIES (GAL)		
DATE	TIME	ELAPSED TIME	TOP 20'	NEXT 20'	TOTAL QUANTITY
			0	N/A	0

NOTES:

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.
3) ABBREVIATIONS:

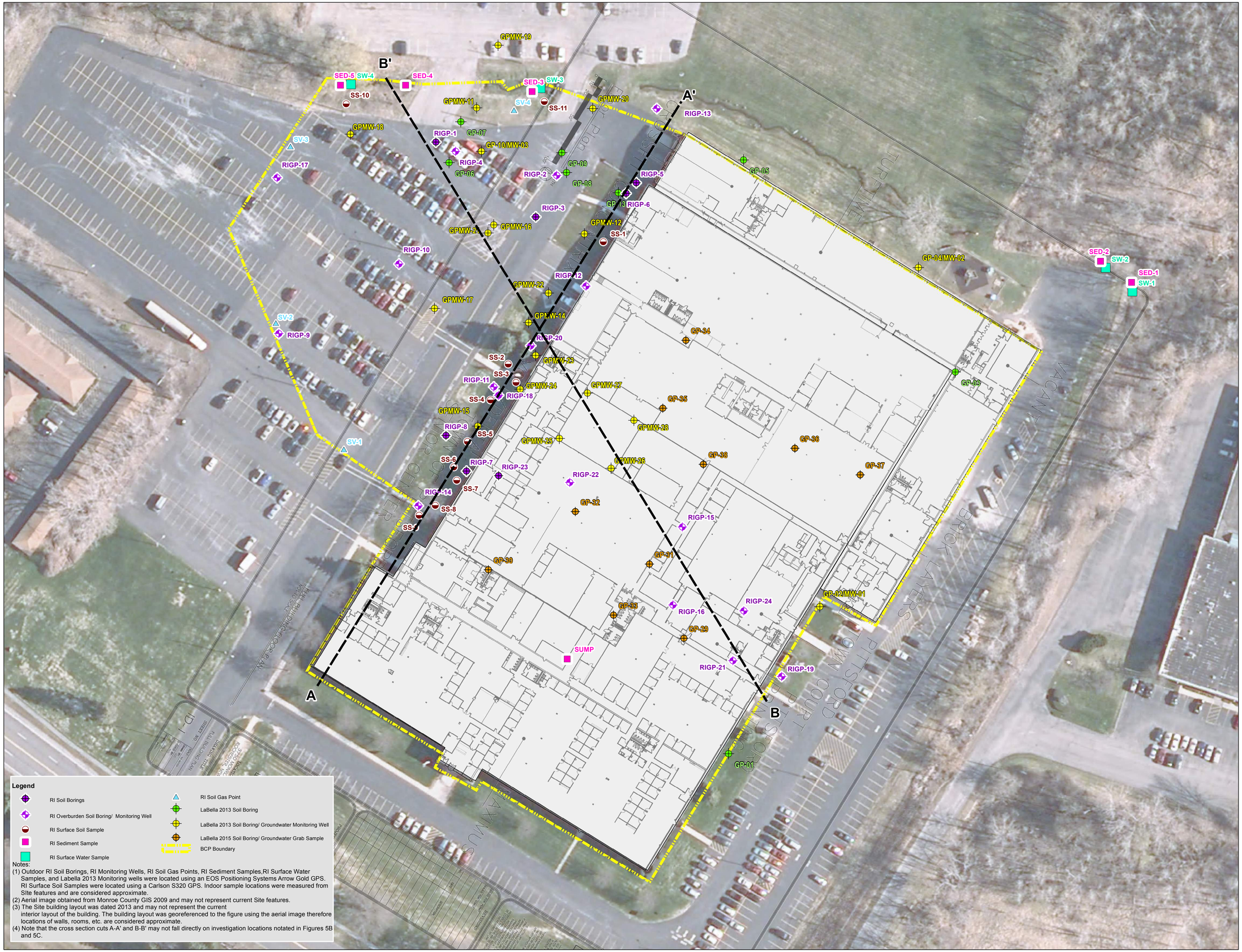
and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

BGS = Below Ground Surface
NA = Not Applicable
A = Angular R = Rounded
SA = Subangular SR = Subrounded

INJ. PT.: **Interior IP-3**

ATTACHMENT 4 –
REMEDIAL INVESTIGATION FIGURES



Legend

- RI Soil Borings
- RI Overburden Soil Boring/ Monitoring Well
- RI Surface Soil Sample
- RI Sediment Sample
- RI Surface Water Sample
- RI Soil Gas Point
- LaBella 2013 Soil Boring
- LaBella 2013 Soil Boring/ Groundwater Monitoring Well
- LaBella 2015 Soil Boring/ Groundwater Grab Sample
- BCP Boundary

Notes:
(1) Outdoor RI Soil Borings, RI Monitoring Wells, RI Soil Gas Points, RI Sediment Samples,RI Surface Water Samples, and Labella 2013 Monitoring wells were located using an EOS Positioning Systems Arrow Gold GPS. RI Surface Soil Samples were located using a Carlson S320 GPS. Indoor sample locations were measured from SIte features and are considered approximate.
(2) Aerial image obtained from Monroe County GIS 2009 and may not represent current Site features.
(3) The Site building layout was dated 2013 and may not represent the current interior layout of the building. The building layout was georeferenced to the figure using the aerial image therefore locations of walls, rooms, etc. are considered approximate.
(4) Note that the cross section cuts A-A' and B-B' may not fall directly on investigation locations notated in Figures 5B and 5C.

Path: J:\Norry Management Corp\213131 - BCP Application 3750 Monroe Ave\Drawings\RI Report\Cross Section Key.mxd

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Remedial Investigation Report

3750 Monroe Avenue Pittsford, New York

3750 Monroe Avenue Associates, LLC

Cross Section Key

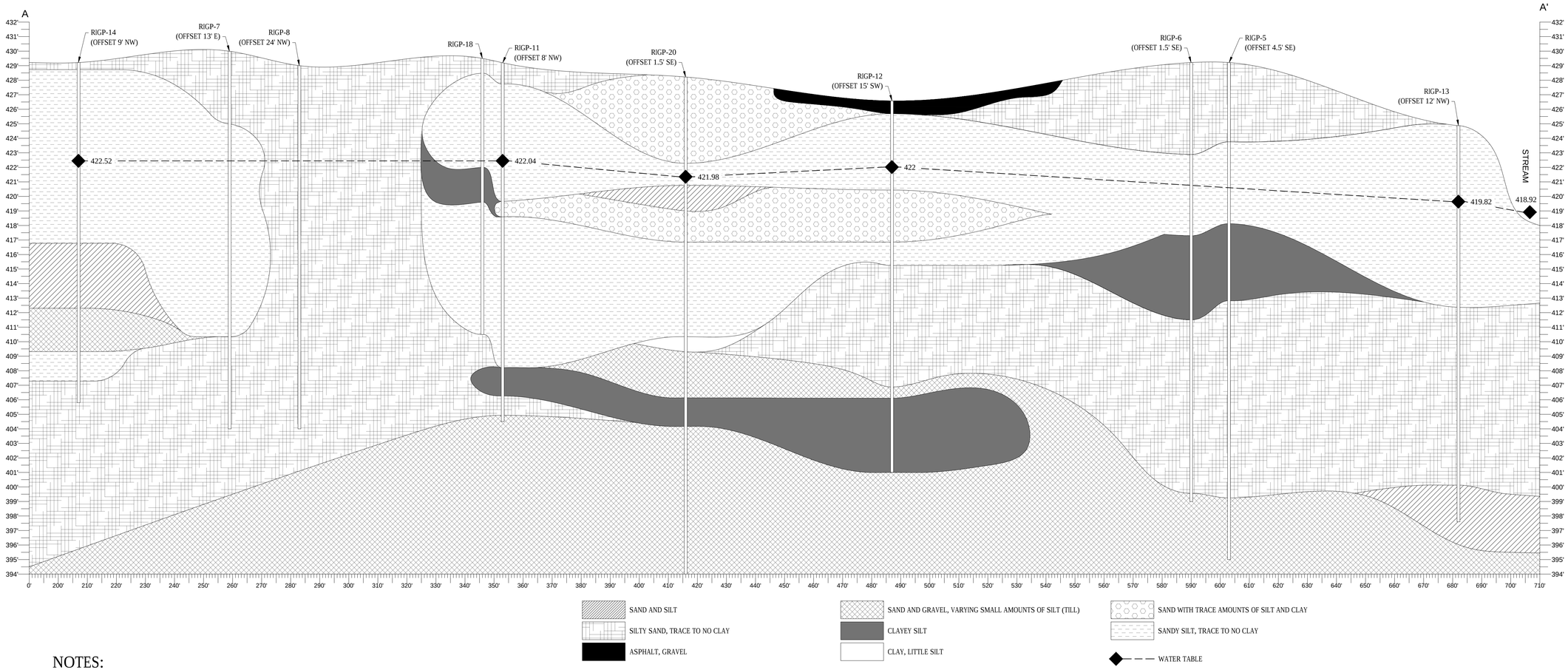
N
W E
S

0 40 80

1 inch = 40 feet
Intended to print on ARCH D

213131

FIGURE 5A



NOTES:

1. ELEVATIONS BASED OFF THE NORTH AMERICAN 1983 DATUM.
2. ELEVATIONS AND HORTIZONTAL DISTANCES ARE DISPLAYED IN FEET.
3. THE VERTICAL EXAGGERATION BETWEEN ELEVATION AND HORIZONTAL DISTANCE IS 5:1.
4. STATIC WATER LEVELS WERE COLLECTED ON MAY 18, 2018.
5. LOCATIONS WITHOUT WELLS OR WHERE NO STATIC WATER WAS COLLECTED INCLUDE RIGP-7, RIGP-18, RIGP-6 AND RIGP-5.
6. ACTUAL STREAM SURFACE WATER ELEVATION WAS COLLECTED ON MAY 23, 2018.
7. ACTUAL SOIL TYPES MAY VARY BETWEEN LOCATIONS.

NO.	REVISION	BY	DATE
1			
2			
3			
4			
5			
6			

LaBella
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PROJECT/CLIENT
REMEDIAL INVESTIGATION REPORT

3750 MONROE AVE
PITTSFORD, NY
C828187

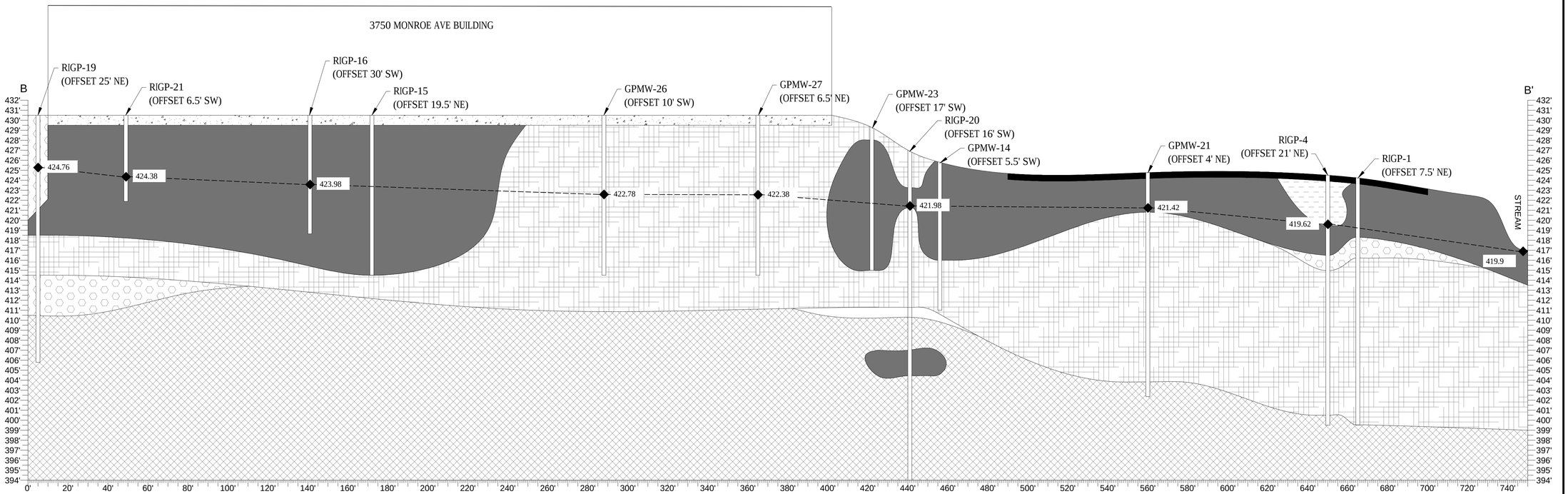
DRAWING TITLE
CROSS SECTION A-A'

DESIGNED BY: AB
DRAWN BY: DRP
REVIEWED BY: AB

ISSUED FOR: FINAL
DATE: JANUARY, 2018

PROJECT/DRAWING NUMBER
213131

FIGURE 5B



NOTES:

1. ELEVATIONS BASED OFF THE NORTH AMERICAN 1983 DATUM.
2. ELEVATIONS AND HORIZONTAL DISTANCES ARE DISPLAYED IN FEET.
3. THE VERTICAL EXAGGERATION BETWEEN ELEVATION AND HORIZONTAL DISTANCE IS 5:1
4. STATIC WATER LEVELS WERE COLLECTED ON MAY 18, 2018.
5. LOCATIONS WITHOUT WELLS OR WHERE NO STATIC WATER WAS COLLECTED INCLUDE RIGP-15, GPMW-23, GPMW-14, AND RIGP-1.
6. SURFACE WATER ELEVATION WAS ESTIMATED BASED ON SEDIMENT ELEVATION AT THE BOTTOM OF THE STREAM.
7. ACTUAL SOIL TYPES MAY VARY BETWEEN LOCATIONS.

NO.	REVISION	BY	DATE
1			
2			
3			
4			
5			
6			

LaBella
Powered by partnership.

PROJECT/CLIENT
REMEDIAL INVESTIGATION REPORT
3750 MONROE AVE
PITTSFORD, NY
C828187

DRAWING TITLE
CROSS SECTION B-B'

ISSUED FOR: FINAL
DATE: MAY, 2018

DESIGNED BY: AB
DRAWN BY: DRP
REVIEWED BY: AB

PROJECT/DRAWING NUMBER
213131

FIGURE 5C

ATTACHMENT 5 –
POST-INJECTION LABORATORY ANALYTICAL DATA

ANALYTICAL REPORT

Lab Number:	L2049670
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jared Pristach
Phone:	(585) 402-7004
Project Name:	3750 MONROE AVE-GW
Project Number:	213131
Report Date:	11/16/20

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: 3750 MONROE AVE-GW
Project Number: 213131

Lab Number: L2049670
Report Date: 11/16/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2049670-01	GPMW-14-111002020	WATER	ROCHESTER, NY	11/10/20 12:00	11/10/20
L2049670-02	GPMW-25-111002020	WATER	ROCHESTER, NY	11/10/20 13:30	11/10/20

Project Name:	3750 MONROE AVE-GW	**Lab Number:**	L2049670
Project Number:	213131	**Report Date:**	11/16/20

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:	3750 MONROE AVE-GW	**Lab Number:**	L2049670
Project Number:	213131	**Report Date:**	11/16/20

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

L2049670-02: The collection date and time on the chain of custody was 10-NOV-20 13:30; however, the collection date and time on the container label was 10-NOV-20 13:50. At the client's request, the collection date and time is reported as 10-NOV-20 13:30.

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: 11/16/20

ORGANICS

VOLATILES

Project Name: 3750 MONROE AVE-GW
Project Number: 213131
Lab Number: L2049670
Report Date: 11/16/20

SAMPLE RESULTS

Lab ID: L2049670-01
Client ID: GPMW-14-111002020
Sample Location: ROCHESTER, NY
Date Collected: 11/10/20 12:00
Date Received: 11/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/13/20 21:35
Analyst: MKS

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	4.2		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	20		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 3750 MONROE AVE-GW **Lab Number:** L2049670

Project Number: 213131 **Report Date:** 11/16/20

SAMPLE RESULTS

Lab ID: L2049670-01 Date Collected: 11/10/20 12:00

Client ID: GPMW-14-111002020 Date Received: 11/10/20

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	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	7.6		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	20		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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	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
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	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: 3750 MONROE AVE-GW
Project Number: 213131
Lab Number: L2049670
Report Date: 11/16/20

SAMPLE RESULTS

Lab ID: L2049670-02 D
Client ID: GPMW-25-111002020
Sample Location: ROCHESTER, NY

Date Collected: 11/10/20 13:30
Date Received: 11/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/13/20 21:58
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	500	140	200
1,1-Dichloroethane	ND		ug/l	500	140	200
Chloroform	ND		ug/l	500	140	200
Carbon tetrachloride	ND		ug/l	100	27.	200
1,2-Dichloropropane	ND		ug/l	200	27.	200
Dibromochloromethane	ND		ug/l	100	30.	200
1,1,2-Trichloroethane	ND		ug/l	300	100	200
Tetrachloroethene	ND		ug/l	100	36.	200
Chlorobenzene	ND		ug/l	500	140	200
Trichlorofluoromethane	ND		ug/l	500	140	200
1,2-Dichloroethane	ND		ug/l	100	26.	200
1,1,1-Trichloroethane	ND		ug/l	500	140	200
Bromodichloromethane	ND		ug/l	100	38.	200
trans-1,3-Dichloropropene	ND		ug/l	100	33.	200
cis-1,3-Dichloropropene	ND		ug/l	100	29.	200
Bromoform	ND		ug/l	400	130	200
1,1,2,2-Tetrachloroethane	ND		ug/l	100	33.	200
Benzene	ND		ug/l	100	32.	200
Toluene	ND		ug/l	500	140	200
Ethylbenzene	ND		ug/l	500	140	200
Chloromethane	ND		ug/l	500	140	200
Bromomethane	ND		ug/l	500	140	200
Vinyl chloride	ND		ug/l	200	14.	200
Chloroethane	ND		ug/l	500	140	200
1,1-Dichloroethene	370		ug/l	100	34.	200
trans-1,2-Dichloroethene	ND		ug/l	500	140	200
Trichloroethene	20000		ug/l	100	35.	200
1,2-Dichlorobenzene	ND		ug/l	500	140	200

Project Name: 3750 MONROE AVE-GW **Lab Number:** L2049670

Project Number: 213131 **Report Date:** 11/16/20

SAMPLE RESULTS

Lab ID: L2049670-02 D
Client ID: GPMW-25-111002020
Sample Location: ROCHESTER, NY

Date Collected: 11/10/20 13:30
Date Received: 11/10/20
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	500	140	200
1,4-Dichlorobenzene	ND		ug/l	500	140	200
Methyl tert butyl ether	ND		ug/l	500	140	200
p/m-Xylene	ND		ug/l	500	140	200
o-Xylene	ND		ug/l	500	140	200
cis-1,2-Dichloroethene	1000		ug/l	500	140	200
Styrene	ND		ug/l	500	140	200
Dichlorodifluoromethane	ND		ug/l	1000	200	200
Acetone	ND		ug/l	1000	290	200
Carbon disulfide	ND		ug/l	1000	200	200
2-Butanone	ND		ug/l	1000	390	200
4-Methyl-2-pentanone	ND		ug/l	1000	200	200
2-Hexanone	ND		ug/l	1000	200	200
1,2-Dibromoethane	ND		ug/l	400	130	200
n-Butylbenzene	ND		ug/l	500	140	200
sec-Butylbenzene	ND		ug/l	500	140	200
tert-Butylbenzene	ND		ug/l	500	140	200
1,2-Dibromo-3-chloropropane	ND		ug/l	500	140	200
Isopropylbenzene	ND		ug/l	500	140	200
p-Isopropyltoluene	ND		ug/l	500	140	200
Naphthalene	ND		ug/l	500	140	200
n-Propylbenzene	ND		ug/l	500	140	200
1,2,4-Trichlorobenzene	ND		ug/l	500	140	200
1,3,5-Trimethylbenzene	ND		ug/l	500	140	200
1,2,4-Trimethylbenzene	ND		ug/l	500	140	200
Methyl Acetate	ND		ug/l	400	47.	200
Cyclohexane	ND		ug/l	2000	54.	200
Freon-113	ND		ug/l	500	140	200
Methyl cyclohexane	ND		ug/l	2000	79.	200

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

Project Name: 3750 MONROE AVE-GW **Lab Number:** L2049670

Project Number: 213131 **Report Date:** 11/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/13/20 19:38
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1434375-5					
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: 3750 MONROE AVE-GW **Lab Number:** L2049670

Project Number: 213131 **Report Date:** 11/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/13/20 19:38
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1434375-5					
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 3750 MONROE AVE-GW
Project Number: 213131
Lab Number: L2049670
Report Date: 11/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/13/20 19:38
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1434375-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3750 MONROE AVE-GW
Project Number: 213131

Lab Number: L2049670
Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1434375-3 WG1434375-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
Bromoform	95		97		54-136	2		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	59		65		39-139	10		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3750 MONROE AVE-GW
Project Number: 213131

Lab Number: L2049670
Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1434375-3 WG1434375-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	110		110		58-148	0		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	100		110		57-130	10		20
1,2-Dibromoethane	100		110		70-130	10		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	96		100		41-144	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3750 MONROE AVE-GW
Project Number: 213131
Lab Number: L2049670
Report Date: 11/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1434375-3 WG1434375-4								
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	100		100		70-130	0		20
n-Propylbenzene	110		110		69-130	0		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	120		110		70-130	9		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	110		110		70-130	0		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	99		99		70-130

Project Name: 3750 MONROE AVE-GW
Project Number: 213131

Lab Number: L2049670
Report Date: 11/16/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2049670-01A	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260-R2(14)
L2049670-01B	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260-R2(14)
L2049670-01C	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260-R2(14)
L2049670-02A	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260-R2(14)
L2049670-02B	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260-R2(14)
L2049670-02C	Vial HCl preserved	B	NA		4.6	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	3750 MONROE AVE-GW	**Lab Number:**	L2049670
Project Number:	213131	**Report Date:**	11/16/20

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:	3750 MONROE AVE-GW	**Lab Number:**	L2049670
Project Number:	213131	**Report Date:**	11/16/20

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. 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.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Project Name:	3750 MONROE AVE-GW	**Lab Number:**	L2049670
Project Number:	213131	**Report Date:**	11/16/20

Data Qualifiers

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	3750 MONROE AVE-GW	**Lab Number:**	L2049670
Project Number:	213131	**Report Date:**	11/16/20

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 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; 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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
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.**

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.

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: 11/11/20

ALPHA Job #: L2049670

Client Information
Client: Lakeo Associates
Address: 300 State St Suite 201 Rochester, NY 14614
Phone: 585-454-6100
Fax:
Email: jpristach@labellapc.com

Project Information
Project Name: 3750 Monroe Ave - gw
Project Location: Rochester NY
Project #: 213131
(Use Project name as Project #) ☐
Project Manager: Jared Pristach
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

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:
cc: KTRUONG@labellapc.com

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	TAL + CP-51 VOCs	Sample Specific Comments	Total Bottle
49670 01	GPMW-14-11102020	11/10/2020	1200	gw		X		3
02	GPMW-25-11102020	11/10/2020	1330	gw		X		3

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: B

Relinquished By:	Date/Time	Received By:	Date/Time
	11/10/2020 1745		11/10/20 1820
	11/10/20 1829		11/11/20 00:50

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 6 –
CAMP DATA

Upwind DustTrak Data Summary

Dates: September 28th, 2020 through October 8th, 2020

Instrument [S/N]	Test #	Date	Start Time	Duration dd:hh:mm:ss	Average	Units	Channel	Maximum	Minimum
DustTrak II 8530133810	110	09/28/2020	12:34:02	0:02:45:00	0.011	mg/m^3	AEROSOL	0.013	0.009
DustTrak II 8530133810	111	09/29/2020	08:41:23	0:01:30:00	0.001	mg/m^3	AEROSOL	0.001	0.001
DustTrak II 8530133810	112	09/30/2020	10:18:44	0:04:30:00	0.268	mg/m^3	AEROSOL	0.663	0.008
DustTrak II 8530133810	113	10/01/2020	08:25:37	0:02:30:00	0.431	mg/m^3	AEROSOL	0.840	0.064
DustTrak II 8530133810	114	10/05/2020	12:17:15	0:02:30:00	0.008	mg/m^3	AEROSOL	0.011	0.006
DustTrak II 8530133810	115	10/06/2020	08:21:36	0:07:45:00	0.006	mg/m^3	AEROSOL	0.010	0.006
DustTrak II 8530133810	116	10/07/2020	08:14:24	0:08:15:00	0.009	mg/m^3	AEROSOL	0.014	0.000
DustTrak II 8530133810	117	10/08/2020	08:29:23	0:05:00:00	0.000	mg/m^3	AEROSOL	0.003	0.000

Test 110

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/28/2020
Instrument S/N	8530133810	Start Time	12:34:02
		Stop Date	09/28/2020
		Stop Time	15:19:02
		Total Time	0:02:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.011 mg/m^3
Max	0.013 mg/m^3
Max Date	09/28/2020
Max Time	12:49:02
Min	0.009 mg/m^3
Min Date	09/28/2020
Min Time	15:19:02
TWA (8 hr)	0.004
TWA Start Date	09/28/2020
TWA Start Time	12:34:02
TWA End Time	15:19:02

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	09/28/2020	12:49:02	0.013
2	09/28/2020	13:04:02	0.010
3	09/28/2020	13:19:02	0.010
4	09/28/2020	13:34:02	0.010
5	09/28/2020	13:49:02	0.011
6	09/28/2020	14:04:02	0.011
7	09/28/2020	14:19:02	0.011
8	09/28/2020	14:34:02	0.011
9	09/28/2020	14:49:02	0.010
10	09/28/2020	15:04:02	0.010
11	09/28/2020	15:19:02	0.009

Test 111

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/29/2020
Instrument S/N	8530133810	Start Time	08:41:23
		Stop Date	09/29/2020
		Stop Time	10:11:23
		Total Time	0:01:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.001 mg/m^3
Max	0.001 mg/m^3
Max Date	09/29/2020
Max Time	08:56:23
Min	0.001 mg/m^3
Min Date	09/29/2020
Min Time	08:56:23
TWA (8 hr)	0.000
TWA Start Date	09/29/2020
TWA Start Time	08:41:23
TWA End Time	10:11:23

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	09/29/2020	08:56:23	0.001
2	09/29/2020	09:11:23	0.001
3	09/29/2020	09:26:23	0.001
4	09/29/2020	09:41:23	0.001
5	09/29/2020	09:56:23	0.001
6	09/29/2020	10:11:23	0.001

Test 112

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/30/2020
Instrument S/N	8530133810	Start Time	10:18:44
		Stop Date	09/30/2020
		Stop Time	14:48:44
		Total Time	0:04:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.268 mg/m^3
Max	0.663 mg/m^3
Max Date	09/30/2020
Max Time	14:18:44
Min	0.008 mg/m^3
Min Date	09/30/2020
Min Time	10:33:44
TWA (8 hr)	0.151
TWA Start Date	09/30/2020
TWA Start Time	10:18:44
TWA End Time	14:48:44

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	09/30/2020	10:33:44	0.008
2	09/30/2020	10:48:44	0.009
3	09/30/2020	11:03:44	0.012
4	09/30/2020	11:18:44	0.018
5	09/30/2020	11:33:44	0.042
6	09/30/2020	11:48:44	0.043
7	09/30/2020	12:03:44	0.191
8	09/30/2020	12:18:44	0.221
9	09/30/2020	12:33:44	0.213
10	09/30/2020	12:48:44	0.244
11	09/30/2020	13:03:44	0.182
12	09/30/2020	13:18:44	0.189
13	09/30/2020	13:33:44	0.318
14	09/30/2020	13:48:44	0.543
15	09/30/2020	14:03:44	0.657
16	09/30/2020	14:18:44	0.663
17	09/30/2020	14:33:44	0.624
18	09/30/2020	14:48:44	0.648

Test 113

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/01/2020
Instrument S/N	8530133810	Start Time	08:25:37
		Stop Date	10/01/2020
		Stop Time	10:55:37
		Total Time	0:02:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.431 mg/m^3
Max	0.840 mg/m^3
Max Date	10/01/2020
Max Time	10:25:37
Min	0.064 mg/m^3
Min Date	10/01/2020
Min Time	08:40:37
TWA (8 hr)	0.135
TWA Start Date	10/01/2020
TWA Start Time	08:25:37
TWA End Time	10:55:37

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/01/2020	08:40:37	0.064
2	10/01/2020	08:55:37	0.134
3	10/01/2020	09:10:37	0.172
4	10/01/2020	09:25:37	0.134
5	10/01/2020	09:40:37	0.232
6	10/01/2020	09:55:37	0.500
7	10/01/2020	10:10:37	0.743
8	10/01/2020	10:25:37	0.840
9	10/01/2020	10:40:37	0.839
10	10/01/2020	10:55:37	0.651

Test 114

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/05/2020
Instrument S/N	8530133810	Start Time	12:17:15
		Stop Date	10/05/2020
		Stop Time	14:47:15
		Total Time	0:02:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.008 mg/m^3
Max	0.011 mg/m^3
Max Date	10/05/2020
Max Time	12:32:15
Min	0.006 mg/m^3
Min Date	10/05/2020
Min Time	14:02:15
TWA (8 hr)	0.002
TWA Start Date	10/05/2020
TWA Start Time	12:17:15
TWA End Time	14:47:15

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/05/2020	12:32:15	0.011
2	10/05/2020	12:47:15	0.008
3	10/05/2020	13:02:15	0.008
4	10/05/2020	13:17:15	0.008
5	10/05/2020	13:32:15	0.007
6	10/05/2020	13:47:15	0.007
7	10/05/2020	14:02:15	0.006
8	10/05/2020	14:17:15	0.008
9	10/05/2020	14:32:15	0.008
10	10/05/2020	14:47:15	0.009

Test 115

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/06/2020
Instrument S/N	8530133810	Start Time	08:21:36
		Stop Date	10/06/2020
		Stop Time	16:06:36
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.006 mg/m^3
Max	0.010 mg/m^3
Max Date	10/06/2020
Max Time	15:21:36
Min	0.006 mg/m^3
Min Date	10/06/2020
Min Time	10:21:36
TWA (8 hr)	0.006
TWA Start Date	10/06/2020
TWA Start Time	08:21:36
TWA End Time	16:06:36

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/06/2020	08:36:36	0.008
2	10/06/2020	08:51:36	0.007
3	10/06/2020	09:06:36	0.008
4	10/06/2020	09:21:36	0.008
5	10/06/2020	09:36:36	0.007
6	10/06/2020	09:51:36	0.007
7	10/06/2020	10:06:36	0.007
8	10/06/2020	10:21:36	0.006
9	10/06/2020	10:36:36	0.006
10	10/06/2020	10:51:36	0.006
11	10/06/2020	11:06:36	0.006
12	10/06/2020	11:21:36	0.006
13	10/06/2020	11:36:36	0.006
14	10/06/2020	11:51:36	0.006
15	10/06/2020	12:06:36	0.006
16	10/06/2020	12:21:36	0.006
17	10/06/2020	12:36:36	0.006
18	10/06/2020	12:51:36	0.006
19	10/06/2020	13:06:36	0.006
20	10/06/2020	13:21:36	0.006
21	10/06/2020	13:36:36	0.006

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	10/06/2020	13:51:36	0.006
23	10/06/2020	14:06:36	0.006
24	10/06/2020	14:21:36	0.006
25	10/06/2020	14:36:36	0.006
26	10/06/2020	14:51:36	0.006
27	10/06/2020	15:06:36	0.006
28	10/06/2020	15:21:36	0.010
29	10/06/2020	15:36:36	0.007
30	10/06/2020	15:51:36	0.006
31	10/06/2020	16:06:36	0.006

Test 116

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/07/2020
Instrument S/N	8530133810	Start Time	08:14:24
		Stop Date	10/07/2020
		Stop Time	16:29:24
		Total Time	0:08:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.009 mg/m^3
Max	0.014 mg/m^3
Max Date	10/07/2020
Max Time	08:29:24
Min	0.000 mg/m^3
Min Date	10/07/2020
Min Time	14:14:12
TWA (8 hr)	0.009
TWA Start Date	10/07/2020
TWA Start Time	08:14:24
TWA End Time	16:29:24

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/07/2020	08:29:24	0.014
2	10/07/2020	08:44:24	0.012
3	10/07/2020	08:59:24	0.013
4	10/07/2020	09:14:24	0.013
5	10/07/2020	09:29:24	0.014
6	10/07/2020	09:44:24	0.014
7	10/07/2020	09:59:24	0.014
8	10/07/2020	10:14:24	0.013
9	10/07/2020	10:29:24	0.013
10	10/07/2020	10:44:24	0.013
11	10/07/2020	10:59:24	0.013
12	10/07/2020	11:14:24	0.013
13	10/07/2020	11:29:24	0.012
14	10/07/2020	11:44:24	0.011
15	10/07/2020	11:59:24	0.010
16	10/07/2020	12:14:24	0.009
17	10/07/2020	12:29:24	0.009
18	10/07/2020	12:44:24	0.008
19	10/07/2020	12:59:24	0.007
20	10/07/2020	13:14:24	0.007
21	10/07/2020	14:14:12	0.000

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	10/07/2020	14:14:24	0.009
23	10/07/2020	14:29:24	0.004
24	10/07/2020	14:44:24	0.003
25	10/07/2020	14:59:24	0.003
26	10/07/2020	15:14:24	0.003
27	10/07/2020	15:29:24	0.003
28	10/07/2020	15:44:24	0.003
29	10/07/2020	15:59:24	0.003
30	10/07/2020	16:14:24	0.003
31	10/07/2020	16:29:24	0.003

Test 117

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/08/2020
Instrument S/N	8530133810	Start Time	08:29:23
		Stop Date	10/08/2020
		Stop Time	13:29:23
		Total Time	0:05:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.000 mg/m^3
Max	0.003 mg/m^3
Max Date	10/08/2020
Max Time	08:44:23
Min	0.000 mg/m^3
Min Date	10/08/2020
Min Time	08:59:23
TWA (8 hr)	0.000
TWA Start Date	10/08/2020
TWA Start Time	08:29:23
TWA End Time	13:29:23

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/08/2020	08:44:23	0.003
2	10/08/2020	08:59:23	0.000
3	10/08/2020	09:14:23	0.000
4	10/08/2020	09:29:23	0.000
5	10/08/2020	09:44:23	0.000
6	10/08/2020	09:59:23	0.000
7	10/08/2020	10:14:23	0.000
8	10/08/2020	10:29:23	0.000
9	10/08/2020	10:44:23	0.000
10	10/08/2020	10:59:23	0.000
11	10/08/2020	11:14:23	0.000
12	10/08/2020	11:29:23	0.000
13	10/08/2020	11:44:23	0.000
14	10/08/2020	11:59:23	0.000
15	10/08/2020	12:14:23	0.000
16	10/08/2020	12:29:23	0.000
17	10/08/2020	12:44:23	0.000
18	10/08/2020	12:59:23	0.000
19	10/08/2020	13:14:23	0.000
20	10/08/2020	13:29:23	0.000

Downwind DustTrak Data Summary
Dates: September 29th, 2020 through October 8th, 2020

Instrument [S/N]	Test #	Date	Start Time	Duration dd:hh:mm:ss	Average	Units	Channel	Maximum	Minimum
DustTrak II 8530114008	040	09/28/2020	12:35:59	0:02:45:00	0.016	mg/m^3	AEROSOL	0.021	0.015
DustTrak II 8530114008	041	09/29/2020	08:43:21	0:01:30:00	0.009	mg/m^3	AEROSOL	0.012	0.007
DustTrak II 8530114008	042	09/30/2020	10:18:54	0:04:30:00	0.703	mg/m^3	AEROSOL	1.700	0.034
DustTrak II 8530114008	043	10/01/2020	08:18:49	0:02:45:00	0.530	mg/m^3	AEROSOL	0.799	0.274
DustTrak II 8530114008	044	10/02/2020	08:04:07	0:06:15:00	0.947	mg/m^3	AEROSOL	2.100	0.150
DustTrak II 8530114008	045	10/05/2020	12:45:44	0:02:00:00	0.014	mg/m^3	AEROSOL	0.016	0.011
DustTrak II 8530114008	046	10/06/2020	08:17:55	0:07:45:00	0.013	mg/m^3	AEROSOL	0.034	0.010
DustTrak II 8530114008	047	10/07/2020	08:10:46	0:08:23:00	0.015	mg/m^3	AEROSOL	0.024	0.000
DustTrak II 8530114008	048	10/08/2020	08:29:23	0:05:00:00	0.007	mg/m^3	AEROSOL	0.012	0.004

Test 040

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/28/2020
Instrument S/N	8530114008	Start Time	12:35:59
		Stop Date	09/28/2020
		Stop Time	15:20:59
		Total Time	0:02:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.016 mg/m^3
Max	0.021 mg/m^3
Max Date	09/28/2020
Max Time	12:50:59
Min	0.015 mg/m^3
Min Date	09/28/2020
Min Time	14:20:59
TWA (8 hr)	0.006
TWA Start Date	09/28/2020
TWA Start Time	12:35:59
TWA End Time	15:20:59

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	09/28/2020	12:50:59	0.021
2	09/28/2020	13:05:59	0.016
3	09/28/2020	13:20:59	0.016
4	09/28/2020	13:35:59	0.017
5	09/28/2020	13:50:59	0.018
6	09/28/2020	14:05:59	0.016
7	09/28/2020	14:20:59	0.015
8	09/28/2020	14:35:59	0.016
9	09/28/2020	14:50:59	0.015
10	09/28/2020	15:05:59	0.016
11	09/28/2020	15:20:59	0.015

Test 041

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/29/2020
Instrument S/N	8530114008	Start Time	08:43:21
		Stop Date	09/29/2020
		Stop Time	10:13:21
		Total Time	0:01:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.009 mg/m^3
Max	0.012 mg/m^3
Max Date	09/29/2020
Max Time	08:58:21
Min	0.007 mg/m^3
Min Date	09/29/2020
Min Time	09:28:21
TWA (8 hr)	0.002
TWA Start Date	09/29/2020
TWA Start Time	08:43:21
TWA End Time	10:13:21

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	09/29/2020	08:58:21	0.012
2	09/29/2020	09:13:21	0.008
3	09/29/2020	09:28:21	0.007
4	09/29/2020	09:43:21	0.008
5	09/29/2020	09:58:21	0.008
6	09/29/2020	10:13:21	0.008

Test 042

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/30/2020
Instrument S/N	8530114008	Start Time	10:18:54
		Stop Date	09/30/2020
		Stop Time	14:48:54
		Total Time	0:04:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.703 mg/m^3
Max	1.700 mg/m^3
Max Date	09/30/2020
Max Time	14:48:54
Min	0.034 mg/m^3
Min Date	09/30/2020
Min Time	10:33:54
TWA (8 hr)	0.396
TWA Start Date	09/30/2020
TWA Start Time	10:18:54
TWA End Time	14:48:54

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	09/30/2020	10:33:54	0.034
2	09/30/2020	10:48:54	0.103
3	09/30/2020	11:03:54	0.045
4	09/30/2020	11:18:54	0.150
5	09/30/2020	11:33:54	0.137
6	09/30/2020	11:48:54	0.334
7	09/30/2020	12:03:54	0.469
8	09/30/2020	12:18:54	0.471
9	09/30/2020	12:33:54	0.427
10	09/30/2020	12:48:54	0.503
11	09/30/2020	13:03:54	0.595
12	09/30/2020	13:18:54	0.772
13	09/30/2020	13:33:54	1.360
14	09/30/2020	13:48:54	1.490
15	09/30/2020	14:03:54	1.570
16	09/30/2020	14:18:54	1.140
17	09/30/2020	14:33:54	1.360
18	09/30/2020	14:48:54	1.700

Test 043

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/01/2020
Instrument S/N	8530114008	Start Time	08:18:49
		Stop Date	10/01/2020
		Stop Time	11:03:49
		Total Time	0:02:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.530 mg/m^3
Max	0.799 mg/m^3
Max Date	10/01/2020
Max Time	10:03:49
Min	0.274 mg/m^3
Min Date	10/01/2020
Min Time	09:33:49
TWA (8 hr)	0.182
TWA Start Date	10/01/2020
TWA Start Time	08:18:49
TWA End Time	11:03:49

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/01/2020	08:33:49	0.473
2	10/01/2020	08:48:49	0.540
3	10/01/2020	09:03:49	0.462
4	10/01/2020	09:18:49	0.438
5	10/01/2020	09:33:49	0.274
6	10/01/2020	09:48:49	0.382
7	10/01/2020	10:03:49	0.799
8	10/01/2020	10:18:49	0.716
9	10/01/2020	10:33:49	0.738
10	10/01/2020	10:48:49	0.617
11	10/01/2020	11:03:49	0.386

Test 044

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/02/2020
Instrument S/N	8530114008	Start Time	08:04:07
		Stop Date	10/02/2020
		Stop Time	14:19:07
		Total Time	0:06:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.947 mg/m^3
Max	2.100 mg/m^3
Max Date	10/02/2020
Max Time	09:19:07
Min	0.150 mg/m^3
Min Date	10/02/2020
Min Time	08:19:07
TWA (8 hr)	0.740
TWA Start Date	10/02/2020
TWA Start Time	08:04:07
TWA End Time	14:19:07

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/02/2020	08:19:07	0.150
2	10/02/2020	08:34:07	0.541
3	10/02/2020	08:49:07	1.020
4	10/02/2020	09:04:07	1.350
5	10/02/2020	09:19:07	2.100
6	10/02/2020	09:34:07	1.670
7	10/02/2020	09:49:07	1.030
8	10/02/2020	10:04:07	1.130
9	10/02/2020	10:19:07	1.570
10	10/02/2020	10:34:07	1.270
11	10/02/2020	10:49:07	1.280
12	10/02/2020	11:04:07	1.560
13	10/02/2020	11:19:07	1.680
14	10/02/2020	11:34:07	1.350
15	10/02/2020	11:49:07	1.170
16	10/02/2020	12:04:07	0.827
17	10/02/2020	12:19:07	0.689
18	10/02/2020	12:34:07	0.500
19	10/02/2020	12:49:07	0.471
20	10/02/2020	13:04:07	0.420
21	10/02/2020	13:19:07	0.378

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	10/02/2020	13:34:07	0.415
23	10/02/2020	13:49:07	0.467
24	10/02/2020	14:04:07	0.350
25	10/02/2020	14:19:07	0.280

Test 045

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/05/2020
Instrument S/N	8530114008	Start Time	12:45:44
		Stop Date	10/05/2020
		Stop Time	14:45:44
		Total Time	0:02:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.014 mg/m^3
Max	0.016 mg/m^3
Max Date	10/05/2020
Max Time	13:00:44
Min	0.011 mg/m^3
Min Date	10/05/2020
Min Time	14:00:44
TWA (8 hr)	0.003
TWA Start Date	10/05/2020
TWA Start Time	12:45:44
TWA End Time	14:45:44

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/05/2020	13:00:44	0.016
2	10/05/2020	13:15:44	0.014
3	10/05/2020	13:30:44	0.013
4	10/05/2020	13:45:44	0.012
5	10/05/2020	14:00:44	0.011
6	10/05/2020	14:15:44	0.013
7	10/05/2020	14:30:44	0.014
8	10/05/2020	14:45:44	0.016

Test 046

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/06/2020
Instrument S/N	8530114008	Start Time	08:17:55
		Stop Date	10/06/2020
		Stop Time	16:02:55
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.013 mg/m^3
Max	0.034 mg/m^3
Max Date	10/06/2020
Max Time	08:32:55
Min	0.010 mg/m^3
Min Date	10/06/2020
Min Time	12:02:55
TWA (8 hr)	0.012
TWA Start Date	10/06/2020
TWA Start Time	08:17:55
TWA End Time	16:02:55

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/06/2020	08:32:55	0.034
2	10/06/2020	08:47:55	0.015
3	10/06/2020	09:02:55	0.015
4	10/06/2020	09:17:55	0.015
5	10/06/2020	09:32:55	0.013
6	10/06/2020	09:47:55	0.013
7	10/06/2020	10:02:55	0.015
8	10/06/2020	10:17:55	0.017
9	10/06/2020	10:32:55	0.012
10	10/06/2020	10:47:55	0.011
11	10/06/2020	11:02:55	0.011
12	10/06/2020	11:17:55	0.012
13	10/06/2020	11:32:55	0.011
14	10/06/2020	11:47:55	0.011
15	10/06/2020	12:02:55	0.010
16	10/06/2020	12:17:55	0.010
17	10/06/2020	12:32:55	0.010
18	10/06/2020	12:47:55	0.010
19	10/06/2020	13:02:55	0.011
20	10/06/2020	13:17:55	0.011
21	10/06/2020	13:32:55	0.010

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	10/06/2020	13:47:55	0.011
23	10/06/2020	14:02:55	0.011
24	10/06/2020	14:17:55	0.012
25	10/06/2020	14:32:55	0.012
26	10/06/2020	14:47:55	0.014
27	10/06/2020	15:02:55	0.012
28	10/06/2020	15:17:55	0.014
29	10/06/2020	15:32:55	0.012
30	10/06/2020	15:47:55	0.011
31	10/06/2020	16:02:55	0.010

Test 047

ERROR: MAX PM1,

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/07/2020
Instrument S/N	8530114008	Start Time	08:10:46
		Stop Date	10/07/2020
		Stop Time	16:33:46
		Total Time	0:08:23:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.015 mg/m^3
Max	0.024 mg/m^3
Max Date	10/07/2020
Max Time	08:25:46
Min	0.000 mg/m^3
Min Date	10/07/2020
Min Time	14:12:25
TWA (8 hr)	0.000
TWA Start Date	10/07/2020
TWA Start Time	08:10:46
TWA End Time	16:33:46

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/07/2020	08:25:46	0.024
2	10/07/2020	08:40:46	0.021
3	10/07/2020	08:55:46	0.022
4	10/07/2020	09:10:46	0.023
5	10/07/2020	09:25:46	0.023
6	10/07/2020	09:40:46	0.024
7	10/07/2020	09:55:46	0.023
8	10/07/2020	10:10:46	0.023
9	10/07/2020	10:25:46	0.022
10	10/07/2020	10:40:46	0.021
11	10/07/2020	10:55:46	0.021
12	10/07/2020	11:10:46	0.022
13	10/07/2020	11:25:46	0.022
14	10/07/2020	11:40:46	0.019
15	10/07/2020	11:55:46	0.017
16	10/07/2020	12:10:46	0.015
17	10/07/2020	12:25:46	0.014
18	10/07/2020	12:40:46	0.013
19	10/07/2020	12:55:46	0.012
20	10/07/2020	13:10:46	0.012

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
21	10/07/2020	13:25:46	0.011
22	10/07/2020	14:12:25	0.000
23	10/07/2020	14:25:46	0.008
24	10/07/2020	14:40:46	0.013
25	10/07/2020	14:55:46	0.013
26	10/07/2020	15:10:46	0.005
27	10/07/2020	15:25:46	0.006
28	10/07/2020	15:40:46	0.013
29	10/07/2020	15:55:46	0.011
30	10/07/2020	16:10:46	0.013
31	10/07/2020	16:25:46	0.010
32	10/07/2020	16:34:15	0.000

Test 048

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/08/2020
Instrument S/N	8530114008	Start Time	08:29:23
		Stop Date	10/08/2020
		Stop Time	13:29:23
		Total Time	0:05:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.007 mg/m^3
Max	0.012 mg/m^3
Max Date	10/08/2020
Max Time	12:59:23
Min	0.004 mg/m^3
Min Date	10/08/2020
Min Time	11:14:23
TWA (8 hr)	0.004
TWA Start Date	10/08/2020
TWA Start Time	08:29:23
TWA End Time	13:29:23

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	10/08/2020	08:44:23	0.009
2	10/08/2020	08:59:23	0.011
3	10/08/2020	09:14:23	0.008
4	10/08/2020	09:29:23	0.009
5	10/08/2020	09:44:23	0.007
6	10/08/2020	09:59:23	0.006
7	10/08/2020	10:14:23	0.008
8	10/08/2020	10:29:23	0.010
9	10/08/2020	10:44:23	0.006
10	10/08/2020	10:59:23	0.005
11	10/08/2020	11:14:23	0.004
12	10/08/2020	11:29:23	0.005
13	10/08/2020	11:44:23	0.006
14	10/08/2020	11:59:23	0.005
15	10/08/2020	12:14:23	0.006
16	10/08/2020	12:29:23	0.007
17	10/08/2020	12:44:23	0.006
18	10/08/2020	12:59:23	0.012
19	10/08/2020	13:14:23	0.007
20	10/08/2020	13:29:23	0.006