Periodic Review Report:
August 7, 2019 to August 8, 2022
NYSDEC BCP Site No. C828134

Location:

Former Steve Joy's Sunoco
3865 & 3875 West Henrietta Road
Town of Henrietta, Monroe County, New York

Prepared for:

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3817 West Henrietta Road
Rochester, New York 14623

LaBella Project No. 2223592

September 5, 2022

LaBella
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1.0 INTRODUCTION

LaBella Associates, D.P.C. (LaBella) is pleased to submit this Periodic Review Report (PRR) for the Former Steve Joy's Sunoco property, located at 3865 and 3875 West Henrietta Road (NYS Route 15) (hereinafter referred to as the "Site"), under the New York State (NYS) Brownfield Cleanup Program (BCP), as administered by the New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index #B8-0719-06-06, Site # C828134. A Site Location Map is included as Figure 1.

This report encompasses the monitoring work between the following period: August 7, 2019 to August 8, 2022.

The Site is located in the Town of Henrietta, County of Monroe, New York and is comprised of the following two (2) parcels of land:

- 3865 West Henrietta Road, an approximate 1-acre parcel identified as Block 161.15-1 and Lot 20.1; and
- 3875 West Henrietta Road, an approximate 1.5-acre parcel identified as Block 161.19-1 and Lot 9.

The Site is improved with the following structures:

- A 4,692± square foot building on the 3865 West Henrietta Road parcel; and
- A 12,968 ± square foot building (including the ±500 square foot addition to this building constructed in 2017) on the 3875 West Henrietta Road parcel.

The properties surrounding the Site are commercial properties. The properties directly adjacent to the Site and their current occupants are as follows:

- North – 3861 West Henrietta Road, vacant parking lot;
- East – West Henrietta Road Right-of-way (ROW), then 3870 West Henrietta Road, Lewis General Tire, Inc.;
- South – 3883 West Henrietta Road, an auto dealership; and
- West – overflow parking lots associated with the 3883 West Henrietta Road property.

A Site Plan (included as Figure 2), illustrates the Site boundaries and the adjacent properties.

1.1 Environmental History

Previous environmental investigations (Pre-BCP work) at the Site identified the nature and extent of contamination to be limited to petroleum contamination in soil, groundwater, and soil vapor. The apparent source of the petroleum impacts was from six (6) petroleum underground storage tanks (USTs) and five hydraulic lifts.

The Pre-BCP and BCP Investigation work at the Site included: advancing 73 soil borings; excavating nine (9) test pits; installing sixteen (16) groundwater monitoring wells; the installation of sub-slab soil vapor sampling points; and collecting samples of soil, groundwater, sub-slab vapor, and indoor/outdoor air. Based on the work completed, it was determined that the predominant contaminants at the Site were petroleum-related volatile organic compounds (VOCs) in soil and groundwater.

Petroleum-related semi-volatile organic compounds (SVOCs), chlorinated solvents, and metals were also detected in groundwater, along with a limited area of metals in surface soils. Based on these findings, the following specific areas of contamination were identified:

- Petroleum impacted soil and groundwater between the 3865 Parcel Building and West Henrietta Road, in the area of the former pump islands, was identified at concentrations above the NYSDEC Part 375-6 Restricted Commercial Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 703 Groundwater Standards;
- Petroleum impacted soil directly north of the central portion of the 3875 Building associated with a UST was identified in the field as impacted;
- Petroleum impacts in soil around hydraulic lifts within the western portion of the 3875 Building was identified in field observations;
- An area of surface soils along West Henrietta Road impacted with the metals (arsenic and barium) was identified at concentrations above the NYSDEC Part 375-6 Restricted Commercial Use SCOs;
- Concentrations of VOCs in the sub-slab soil vapor and indoor air at both buildings at the Site were identified; and
- VOCs and metals in groundwater on the 3875 Parcel were identified at concentrations above the NYSDEC Part 703 Groundwater Standards.

The Remedial Measures completed at the Site have included two (2) Interim Remedial Measures (IRMs) consisting of the removal of USTs and soil. The soil removed during the IRM was transported to an off-site location for treatment in a bio-cell. In addition, a final remedy at the Site consisted of the removing hydraulic lifts, soil and groundwater. The remedies and Areas of Concern (AOC) designation from the Remedial Action Work Plan (RAWP) are summarized below:

- Removal and bioremediation of approximately 1,740 cubic yards of petroleum-impacted soils from AOC #1. This resulted in removing all soils above the NYSDEC Part 375-6.8(b) Protection of Groundwater SCOs with the exception of two areas due to underground utilities, the West Henrietta Road ROW and the on-site building.
- Removal and disposal of six USTs and their contents, which consisted of approximately 8,000 gallons of petroleum impacted waters and 600 gallons of waste oil.
- Removal and disposal of five hydraulic lifts (AOC #2) and removal and off-site disposal of approximately 85 tons of petroleum-impacted soil from seven hydraulic lift locations [i.e., two (2) former locations and the five (5) lifts removed as part of the IRM].
- Removal and disposal of surface soils impacted with heavy metals, excavated from an area measuring 5 feet by 5 feet and 1 foot in depth. The heavy metals were identified during the RI in surface soil sample SS-1 located along the eastern edge of the 3865 West Henrietta property boundary and was identified as AOC #5.
- Installation of a sub-slab depressurization system (SSDS) to mitigate the potential for vapor intrusion within (AOC #3) the existing building at the 3865 West Henrietta Road parcel.

Pressure field extension testing was completed on each of the monitoring points after the installation of the SSDS, and confirmed the system influences the entire slab area. An SSDS was also installed at the 3875 Parcel building during redevelopment of the Mini Cooper dealership in 2012, and this SSDS was expanded to extend beneath the ±500 square foot addition to this building in 2017.

- An Environmental Easement was executed and recorded to restrict land use and prevent future exposure to any contamination remaining at the Site.
- Development and implementation of a Site Management Plan (SMP) for long term management of remaining contamination as required by the Environmental Easement, which includes plans for:
    - Institutional and Engineering Controls;
    - Monitoring;
    - Operation and Maintenance; and
    - Reporting.

2.0 PURPOSE AND SCOPE OF WORK

The purpose of this report is to present the monitoring work completed at the Site during the time period of August 7, 2019 and August 8, 2022. This work was completed in general accordance with the provisions identified in the SMP. As required in the SMP, this report includes the following information:

- Identification, assessment and certification of all Engineering Controls/Institutional Controls (ECs/ICs) required by the remedy for the Site;
- Results of the required annual site inspections and severe condition inspections, if applicable;
- All applicable inspection forms and other records generated for the Site during the reporting period in electronic format (included in report);
- A summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions;
- Data summary tables and graphical representations of contaminants of concern by media, including: a list of all compounds analyzed; applicable regulatory standards, with all exceedances highlighted: and a presentation of past data as part of an evaluation of contaminant concentration trends;
- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted electronically in a NYSDEC-approved format;
- A Site evaluation, which includes the following:
    - The compliance of the remedy with the requirements of the Site-specific RAWP;
    - Any new conclusions or observations regarding Site contamination based on inspections or data generated by the Monitoring Plan for the media being monitored;
    - Recommendations regarding any necessary changes to the remedy and/or Monitoring Plan; and
    - The overall performance and effectiveness of the remedy.

3.0 ANNUAL MONITORING

The original SMP identified the ongoing monitoring of the performance of the remedy, via semi-annual sampling of two (2) existing groundwater monitoring wells (3865 Parcel: MW-7 and 3875 Parcel: MW-3R). The original SMP indicated that monitoring the overall reduction in contamination on-site would be conducted for the first two (2) years, with the frequency thereafter to be determined by NYSDEC. The NYSDEC approved annual monitoring of the two (2) wells for VOCs only in a letter dated July 22, 2013. Trends in contaminant levels in groundwater in the affected areas will be evaluated to determine if the remedy continues to be effective in achieving remedial goals.

The original SMP also required a semi-annual inspection of the SSDS and semi-annual monitoring of the biocell soils. In their July 22, 2013 letter, the NYSDEC also approved discontinuing monitoring of the biocell soils.

The current monitoring program is summarized in the following table and was included in the June 2014 SMP update.

Schedule of Monitoring/Inspections

Monitoring Program	Frequency*	Matrix	Analysis
Groundwater Monitoring	Annual	Groundwater	VOCs using USEPA Method 8260 (NYSDEC CP-51 list for 3865 parcel wells and TCL VOCs for 3875 parcel wells)
Sub-Slab Depressurization System Inspection	Annual	Pressure Field Extension Readings	None

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH

3.1 Groundwater Monitoring

Groundwater monitoring for this PRR was conducted on the following dates:

- June 22, 2020 - Monitoring wells MW-3R and MW-7 were sampled
- May 28, 2021 – Monitoring well MW-3R was sampled
- June 10, 2021 – Monitoring Well MW-7R (replacement well) was sampled
- August 8, 2022 – Monitoring Well MW-3R and MW-7R were sampled

The location of the wells are shown on Figure 3.

Static water levels (SWLs) were collected during each groundwater sampling event. The groundwater samples were collected using a modified low-flow sampling procedure with a bladder pump or peristaltic pump.

During the sampling event, field measurements of water quality parameters were collected using a water quality meter equipped with an in-line “flow-thru” cell. During the sampling event, the following field measurements were collected:

- pH;
- Conductivity;
- Temperature;
- Oxygen Reduction Potential (ORP);
- Turbidity; and
- Dissolved Oxygen (DO).

During the sampling event, water quality parameter readings were recorded at regular time intervals prior to the collection of groundwater samples. Water quality stabilization criteria are summarized in the following table.

Measurement	Maximum Variability for 3 Consecutive Readings
pH	+/- 0.1 standard units
Conductivity	+/- 3 %
ORP	+/- 10 mV
Turbidity	+/- 10 %
DO	+/- 10 %

During the sampling events, the required criteria were met prior to sample collection. In addition, the SWL was monitored during the sampling event to confirm that drawdown in the well was minimized. Groundwater sampling logs that include the in-field parameter measurements are included as Appendix A.

Groundwater samples collected during the groundwater monitoring events were submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory. The samples were analyzed for NYSDEC CP-51-list and/or United States Environmental Protection Agency (USEPA) Target Compound List (TCL) VOCs using USEPA Method 8260. A copy of the laboratory analytical reports are provided in Appendix B.

3.2 Sub-Slab Depressurization System (SSDS) Monitoring

This section discusses the SSDS monitoring performed on July 10, 2020, May 28, 2021, and August 8, 2022 in the two (2) on-site buildings.

3865 West Henrietta Road Building

The SSDS in the 3865 West Henrietta Road building was monitored on July 10, 2020, May 28, 2021, and August 8, 2022 in order to verify proper operation of the system. Because the manometer installed on this SSDS is now located within the wall of the women's restroom and is accessible via a removable wall panel, NYSDEC requested in October 2015 that an alarm be installed on the SSDS. The purpose of the alarm is to monitor proper operation of the SSDS; this alarm was installed in late 2015.

The location of the SSDS venting point/fan that operates the SSDS for the 3865 Building is shown on Figure 3, and an as-built drawing of the SSDS is included in Appendix D. At the fan location, the following inspections were made:

- the in-line U-tube manometer on the suction side of the piping system was observed to determine a pressure differential of approximately 2.6 or 2.7 inches of water column which is consistent with historic readings and indicates the SSDS is operating properly;
- the condition of the piping was observed to determine if any portion of the piping required repair;
- the fan was working properly; and
- labeling of the system was intact.

Based upon the inspections, the SSDS appeared to be in good working order (i.e., the manometer indicated the SSDS was working, the fan was observed to be working, and the piping appeared in good condition). Copies of the inspection forms are included in Appendix C.

3875 West Henrietta Road Building

The SSDS in the 3875 West Henrietta Road building was monitored on July 10, 2020, May 28, 2021, and August 8, 2022 in order to verify proper operation of the system. The SSDS for the 3875 Building is shown in the as-built drawings included in Appendix D. At the fan location, the following inspections were made:

- sub-slab monitoring points were measured with a VelociCalc® Model 9565 Multi-Function Ventilation Meter, to determine the pressure differential between the sub-slab and indoor air. The results of this monitoring are included as Table 1.
- the condition of the piping was observed to determine if any portion of the piping required repair;
- the fan was working properly; and
- labeling of the system was intact.

Based upon the inspections, the SSDS appeared to be in good working order (i.e., the micro-manometer readings indicated the SSDS was working, the fan was observed to be working, and the piping appeared in good condition). A copy of the inspection form is included in Appendix C.

3.3 Deviations from SMP

The following deviations occurred during the reporting period from August 7, 2019 to August 8, 2022:

- On May 28, 2021 well MW-7 was observed to be damaged and unusable. This information was provided to the NYSDEC in an email correspondence. A replacement well (i.e. MW-7R) was installed and well MW-7 was closed in accordance with NYSDEC Commissioner Policy 43. A copy of the MW-7 closure log and MW-7R installation logs as well as the community air monitoring information is included as Appendix F.
- The June 2021 sample from MW-7R had been indicated on the chain of custody to be sampled for CP-51 VOCs however, the sample was analyzed for TCL VOCs by the laboratory.
- Groundwater monitoring was conducted on August 8, 2022, 2 days after the reporting period ended. As such, the certification date, will adjusted to August 8, 2022.

4.0 SUMMARY OF GROUNDWATER MONITORING

4.1 Groundwater Flow Direction

Although static water level measurements were collected during the groundwater monitoring event and are included on the sampling forms. The monitoring work only includes two (2) monitoring wells. Historic monitoring information previously presented to the NYSDEC describes the groundwater flow regime at the Site. For informational purposes, groundwater contour maps from October 2011 and July 2012 are included as Figures 4A and 4B, respectively.

4.2 Summary of Groundwater Results

Groundwater monitoring was performed in June 2020, May 2021, June 2021, and August 2022 and included groundwater monitoring wells (3865 Parcel: MW-7 and MW-7R and 3875 Parcel: MW-3R), as shown on Figure 3.

The results of the groundwater monitoring are summarized in Table 2 (VOCs) and are compared to the NYSDEC Part 703 groundwater standards. As summarized in the attached Table 2 and the following table, VOCs were reported above NYSDEC Part 703 groundwater standards in the groundwater samples collected during each monitoring event.

5.0 SITE EVALUATION

The annual monitoring work conducted between August 7, 2019 and August 8, 2022 was completed in accordance with the SMP, with any exceptions noted in Section 3.3. The analytical results from the groundwater sampling events summarized on Table 2 indicate that VOC concentrations appear relatively stable in samples collected from wells MW-7/MW-7R and MW-3R. Based on the above, no changes to the current monitoring program are proposed.

The remedial program outlined in the SMP has effectively achieved progress toward meeting the remedial objectives for the Site. Continued monitoring of the SSDS and the implementation of the SMP should ultimately achieve the remedial objectives for the Site. The next groundwater sampling event is scheduled for spring 2023.

6.0 INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION

The completed NYSDEC Institutional and Engineering Controls Certification Form is included in Appendix E.

TABLES

TABLE 1

Pressire Field Extension Readings

Former Steve Joy's Sunoco, NYSDEC BCP Site No. C828134

3865 & 3875 West Henrietta Road, Henrietta, New York

Location	Units	Valve #	Date		
			6/22/2020	5/28/2021	8/8/2022
Customer Reception Area	IWC	1	-0.072	-1.525	-0.613
	IWC	2	-1.126	-0.838	-0.580
	IWC	3	-0.675	-0.370	-0.124
Eastern Side of Service Area	IWC	1	-0.799	-0.446	-0.202
	IWC	2	-0.764	-0.351	-0.172
	IWC	3	-0.588	-0.052	-0.009
Western Side of Service Area	IWC	1	-0.662	-0.134	-0.064
	IWC	2	-0.661	-0.101	-0.063

Note:

IWC - Inches of Water Column

Table 2

Groundwater Monitoring
3865 & 3875 West Henrietta Road, Henrietta, New York
NYSDEC Brownfield Cleanup Program ID No. C828134

Summary of Detected Volatile Organic Compounds (VOCs) in Groundwater
Test Results in Micrograms per Liter (µg/L) or Parts Per Billion (ppb)

Constituent	3875 Parcel																				NYSDEC Part 703: Groundwater Standard
	MW-3R																				
	May 2007	June 2010	October 2010	May 2011	October 2011	May 2007	June 2010	June 2010 Blind Duplicate	May 2011	October 2011	July 2012	April 2014	May 2015	October 2015	June 2016	June 2017	June 2018	July 2019	June 2020	May 2021	August 2022	
Petroleum-Related Volatile Organic Compounds																					
Benzene	ND<5.0	**2.3** J	**2.8** J	**3.1** J	**31.7**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<0.7	ND<50	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<0.50	ND<1.00	1
Ethyl ether					ND<1.0	---	---	---	---	---	---	---	ND<1.0	---	---	---	---	---	--	---	---	Not Available
Ethylbenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**5.2**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.50	ND<5.00	5
sec-Butylbenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	--	5
n-Propylbenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	--	5
Isopropylbenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.50	ND<5.00	5
p-Isopropyltoluene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	--	5
n-Butylbenzene	---	---	---	---	---	---	---	---	---	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	--	5
Naphthalene	ND<5.0	1.4 BJ	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.00	ND<5.00	ND<5.00	ND<5.00	ND<5.00	ND<5.00	--	--	10
Toluene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1.7	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<5.0	ND<5.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.50	ND<5.00	5
1,2,4-Trimethylbenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	2.1 J	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	1.3	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	--	5
1,3,5-Trimethylbenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	--	--	5
m,p-Xylene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2.2	ND<5.0	3.9 J	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0	2.1	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<2.50	ND<5.00	5
o-Xylene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	3.9	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.50	ND<5.00	5
Tert-amyl methyl ether	---	---	---	---	3.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Not Available
Tert-butanol / butyl alcohol	---	---	---	---	12.8	---	---	---	---	---	---	---	---	---	---	---	---	---	--	---	---	Not Available
Methyl-tert-Butyl Ether	2 J	ND<5.0	ND<5.0	1.2 J	**22.5**	**11**	1.4 J	1.3 J	ND<5.0	ND<2.0	**24**	2.97	2.5	1.56	2.25 J	1.35	1.38	1.24	1.1 J	ND<2.50	ND<5.00	10
Solvent-Related Volatile Organic Compounds																					
Acetone	ND<5.0	42		ND<5.0	ND<10.0	16	ND<5.0	ND<5.0	ND<5.0	ND<10.0	6.1	ND<10.0	ND<50	ND <50.0	ND <50.0	ND <50.0	ND <50.0	ND <50.0	ND <50.0	ND <50.0	ND <10.0	50
2-Butanone	ND<5.0	8.1		ND<5.0	ND<10.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10.0	ND<5.0	ND<10.0	ND<10	ND <10.0	ND <10.0	ND <10.0	ND <10.0	ND <10.0	ND <10.0	ND <10.0	ND <10.0	50
Cyclohexane	ND<5.0	ND<5.0		ND<5.0	Not Tested	ND<5.0	ND<5.0	ND<5.0	ND<5.0	---	ND<5.0	ND<10.0	ND<1.0	ND<1.00	ND<1.00 R	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND < 1.00	ND <20.0	5
Chlorobenzene	**11** J	3.9 J		**9.1**	ND<1.0	2 J	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	**67.3**	**120**	**106**	**103** J	**130**	**118**	**109**	**120**	**100**	**130**	5
Dichlorodifluoromethane	---	---		---	ND<2.0	---	---	---	---	ND<2.0	---	ND<2.0	ND<5.0	ND<5.00	ND<5.00	ND<5.00 J0	ND<5.00	ND<5.00	1 J	1.4	ND<5.00	5
1,2-Dichlorobenzene	ND<5.0	ND<5.0		ND<5.0	ND<10.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10.0	---	1.4	2.7	2.42	2.41 J	2.80	2.72	2.84	**3.3**	**3.2**	**5.1**	3
1,4-Dichlorobenzene	ND	ND	Not Tested	ND	ND	---	---	---	---	---	---	ND	ND	ND	ND	ND	1.34 U	ND<1.00	1.6 J	**4.1**	**6.2**	3
cis-1,2-Dichloroethene	1 J	ND<5.0		4.4 J	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	5
1,1-Dichloroethane	1 J	ND<5.0		ND<5.0	1.2	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	1.2	ND<1.00	1.24 J	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	5
Methylcyclohexane	ND<5.0	ND<5.0		ND<5.0	Not Tested	ND<5.0	ND<5.0	ND<5.0	ND<5.0	---	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00 R	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND <20.0	Not Available
Methylene Chloride	ND<5.0	ND<5.0		ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.00	ND<5.00	ND<5.00	ND<5.00	ND<5.00	ND<5.00	ND<5.00	ND<5.00	5
trans-1,2-Dichloroethene	ND<5.0	ND<5.0		ND<5.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	5
Vinyl Chloride	**3** J	ND<5.0		**6.3**	1.8	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<2.00	2
Total VOCs	18	57.7	2.8 J	24.1 J	86.4	29	7.4	1.3	ND	ND	30.1	71.67	129.8	109.98	108.90	134.15	122.10	113.08	125.40	104.60	141.30	
Total VOC TICs	ND	ND	Not Tested	Not Tested	Not Tested	ND	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Available
Total VOCs and VOC TICs	18	57.7	2.8	24.1	86.4	29	7.4	1.3	ND	ND	30.1	71.7	129.8	109.98	108.9	134.15	122.1	113.08	125.40	104.60	141.30	

Notes:
VOC analysis by USEPA Method 8260B TCL.
Bold Type denotes that the detected value exceeds its associated NYSDEC Part 703 Groundwater Standard.
ND<5.0 denotes compound not detected above the method detection limits.
J denotes an estimated value; the analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
J0 denotes that the laboratory's c
D denotes that the compound was identified in a secondary dilution performed on the sample.
E denotes that the concentration of the compound was found to exceed the calibration range for the instrument.
U is a data qualifier indicating that during data validation, it was determined that the concentration reported by the laboratory should be "interpreted as undetected."
R is a data qualifier indicating that during data validation, it was determined that the concentration reported by the laboratory should be "rejected".

Table 2

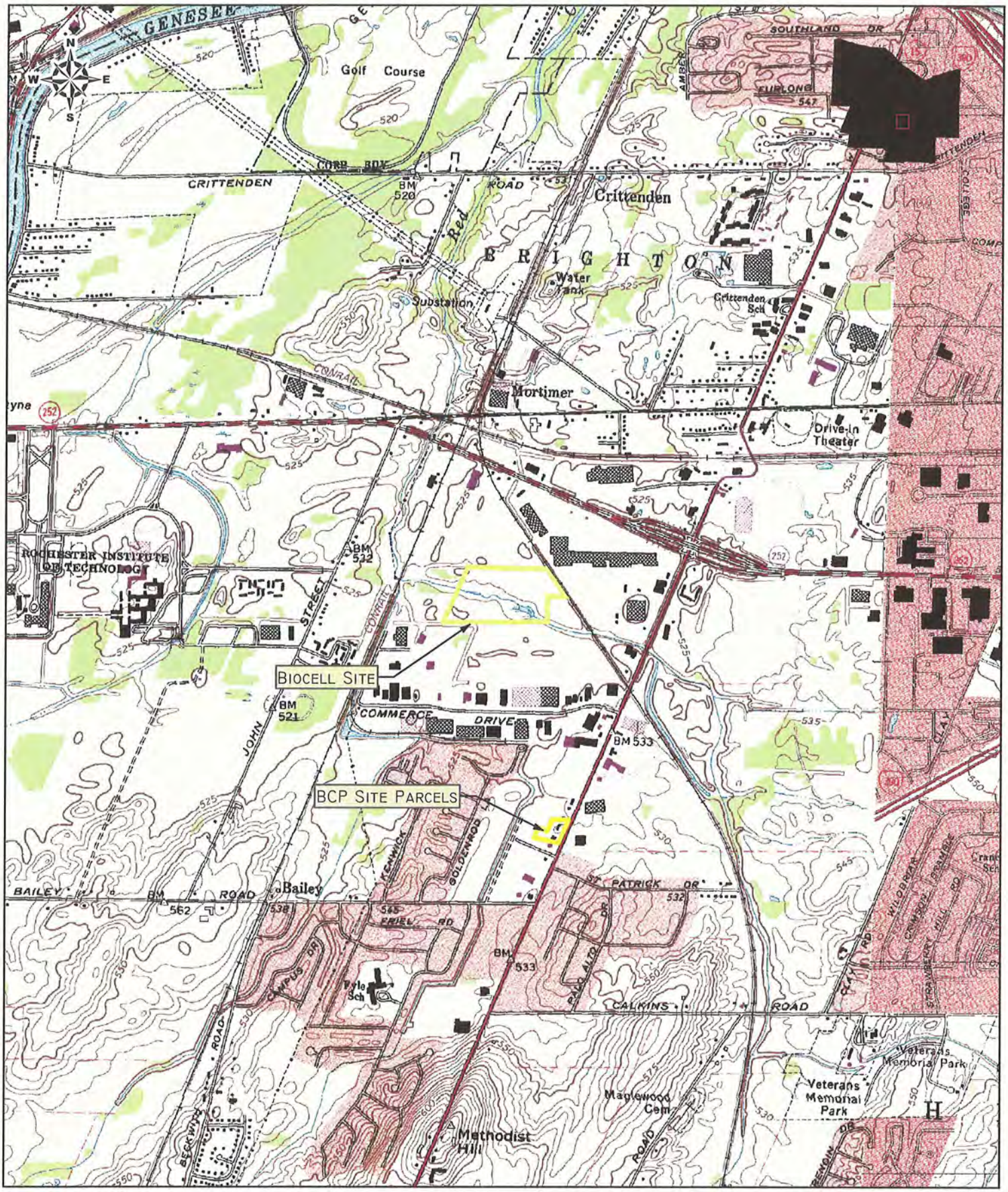
Groundwater Monitoring
3865 & 3875 West Henrietta Road, Henrietta, New York
NYSDEC Brownfield Cleanup Program ID No. C828134

Summary of Detected Volatile Organic Compounds (VOCs) in Groundwater
Test Results in Micrograms per Liter (µg/L) or Parts Per Billion (ppb)

Constituent	3865 Parcel																	NYSDEC Part 703: Groundwater Standard
	MW-7															MW-7R		
	September 2006	May 2007	June 2010	October 2010	May 2011	October 2011	July 2012	March 2014	May 2015	October 2015	June 2016	June 2017	June 2018	July 2019	June 2020	June 2021	August 2022	
Petroleum-Related Volatile Organic Compounds																		
Benzene	**370**	**410**	**740** E	**750** D	ND<5.0	**730**	**870**	**1,150**	**1,200**	**816**	**848**	**675**	**862**	**1130**	**780**	**21**	**22**	1
Ethyl ether	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	Not Available
Ethylbenzene	**880**	**790** E	**250** E	**620** D	ND<5.0	**266**	**610**	**1050**	**950**	**786**	**258**	**332**	**502**	**642**	**920**	**34**	**30**	5
sec-Butylbenzene	ND <50	**23**	3 J	**5.6**	ND<5.0	ND<100	**11**	ND<40.0	**7.7**	**7.89**	**6.29**	ND<10.0	**6.68** J	ND<20.0	**9.5**	-	**8.1**	5
n-Propylbenzene	ND <50	**260** E	**13**	**36**	ND<5.0	ND<100	**86**	**108**	**110**	**89.1**	**18.2**	**22.0**	**29.8** J	**66.7**	**120**	-	**140**	5
Isopropylbenzene	**78**	**91**	**13**	**33**	ND<5.0	ND<100	**44**	**49.9**	**49**	**43.0**	**21.0**	**18.3**	**26.3** J	**36.5**	**52**	**31**	**49**	5
p-Isopropyltoluene	ND <50	**22**	ND<5.0	---	ND<5.0	ND<100	ND<5.0	ND<40.0	**7.1**	**7.27**	**6.71**	ND<10.0	**8.99** J	ND<20.0	**6.2**	-	ND<10.0	5
n-Butylbenzene						ND<100	**32**	**28.8** J	**12**	**11.0**	4.16	ND<10.0	**5.62** J	ND<20.0	**14**	-	**14**	5
Naphthalene	ND <50	**1,100** E	**240** BE	**330** DJ	ND<5.0	**419**	**480**	**478**	**600**	**423**	**620**	**642**	**699**	**329**	**560**	-	**510**	10
Toluene	**980** D	**690** E	**260** E	**180**	ND<5.0	**106**	**35**	**156**	**120**	**73.9**	**71.9**	**67.6**	**58.5** J	**53**	**57**	**7.3**	3.8 J	5
1,2,4-Trimethylbenzene	ND <50	**1,100** E	**620** E	**730** D	ND<5.0	**1,400**	**1,200**	**1,390**	**1,300**	**1,380**	**1,540**	**1,750**	**1,760**	**872**	**830**	-	**9.9** J	5
1,3,5-Trimethylbenzene	ND <50	**630** E	**210** E	**190** DJ	ND<5.0	**422**	**320**	**322**	**200**	**196**	**197**	**290**	**196** J	**37.7**	**70**	-	4.8 J	5
m,p-Xylene	ND <50	**2,100** E	**2,300** E	**4,700** D	ND<5.0	**6,190**	**2,800**	**4,190**	**2,900**	**2,620**	**3,220**	**3,610**	**3,690**	**1,460**	**1700**	**38**	**46**	5
o-Xylene	ND <50	**760** E	**450** E	**690** D	ND<5.0	**502**	**35**	**363**	**230**	**143**	**332**	**319**	**324**	**66.6**	**98**	2.4 J	ND<10.0	5
Tert-amyl methyl ether	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Not Available
Tert-butanol / butyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Not Available
Methyl-tert-Butyl Ether	ND <10	ND<5	2.4 J	2.4 J	5.6	ND<100	**18**	ND<40.0	ND<1.0	ND<1.0 U	ND<1.00	ND<10.0	1.49 UJ	ND<20.0	ND	---	---	10
Solvent-Related Volatile Organic Compounds																		
Acetone	40 J	ND<5						ND<200	**140**	ND <50.0	ND <50.0	ND <500	ND <50.0		ND <50.0	ND <2.9		50
2-Butanone	ND<50	ND<5						ND<200	ND<10	ND <10.0	ND <10.0	ND <100	ND <10.0		ND <10.0	ND <3.9		50
Cyclohexane	**140**	ND<5						**190** J	**100**	**113**	~~**82.3**~~ R	**79.5**	**91.0** J		**140**	**110**		5
Chlorobenzene	ND<50	ND<5						ND<40.0	ND<1.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00		ND<1.00	ND<1.4		5
Dichlorodifluoromethane	---	---						ND<40.0	ND<5.0	ND<5.00	ND<5.00	ND<50.0	ND<5.00		ND<5.00	ND<2		5
1,2-Dichlorobenzene	ND<50	ND<5						ND<40.0	ND<1.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00		ND<1.00	ND<1.4		3
1,4-Dichlorobenzene			Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	ND	ND	ND	ND	ND	ND<1.00	Not Tested	ND<1.00	ND<1.4	Not Tested	3
cis-1,2-Dichloroethene	ND<50	ND<5						ND<40.0	ND<1.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00		ND<1.00	ND<1.4		5
1,1-Dichloroethane	ND<50	ND<5						ND<40.0	ND<1.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00		ND<1.00	ND<1.4		5
Methylcyclohexane	**59**	ND<5						**63.2**	**120**	ND<20 U	~~**37.6**~~ R	~~**44.8**~~ U	**55.6** J		**59**	**59**		5
Methylene Chloride	ND<36	ND<5						ND<100	ND<5.0	ND<5.00	ND<5.00	ND<50.0	ND<5.00		ND<5.00	1.4 J		5
trans-1,2-Dichloroethene	ND<50	ND<5						ND<40.0	ND<1.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00		ND<1.00	ND<1.4		5
Vinyl Chloride	ND<50	ND<5						ND<40.0	ND<1.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00		ND<1.00	ND<0.14		2
Total VOCs	2,547	7,976	5,101	8,267 D,J	5.6	10,035	6,541	9,286	8,046	6,709	7,143.26	7,805.40	8,316.98	4,693.50	5,415.70	304.10	837.60	
Total VOC TICs	9,980	5,795	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Available
Total VOCs and VOC TICs	12,527	13,771	5,101	8,267	5.6	10,035	6,541	9,286	8,046	6,709	7,143.26	7,805.40	8,316.98	4,693.50	5,415.70	304.10	837.60	

Notes:
VOC analysis by USEPA Method 8260B TCL.
Bold Type denotes that the detected value exceeds its associated NYSDEC Part 703 Groundwater Standard.
ND<5.0 denotes compound not detected above the method detection limits.
J denotes an estimated value; the analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.
JO denotes that the laboratory's calibration verification was outside of acceptance limits. Result is estimated.
D denotes that the compound was identified in a secondary dilution performed on the sample.
E denotes that the concentration of the compound was found to exceed the calibration range for the instrument.
U is a data qualifier indicating that during data validation, it was determined that the concentration reported by the laboratory should be "interpreted as undetected."
R is a data qualifier indicating that during data validation, it was determined that the concentration reported by the laboratory should be "rejected".

FIGURES



PROJECT DRAWING NUMBER 2223592 FIGURE 1	**SITE LOCATION MAP** 1:24,000 ISSUED FOR: REVIEW DATE: 8/28/09 DESIGNED BY: RCN DRAWN BY: RCN REVIEWED BY: DPN	PROJECT NAME SITE MANAGEMENT PLAN BCP SITE #C8281324 3865 & 3875 WEST HENRIETTA RD ROCHESTER, NY 14623	LaBella Powered by partnership. 300 STATE STREET ROCHESTER, NY 14614 P: (585) 454-6110 F: (585)454-3066 www.labellapc.com COPYRIGHT 2010

Y:\RJ Dorschel Corp\209395\Drawings\PRR 2011\Fig2 Site Area Map.mxd

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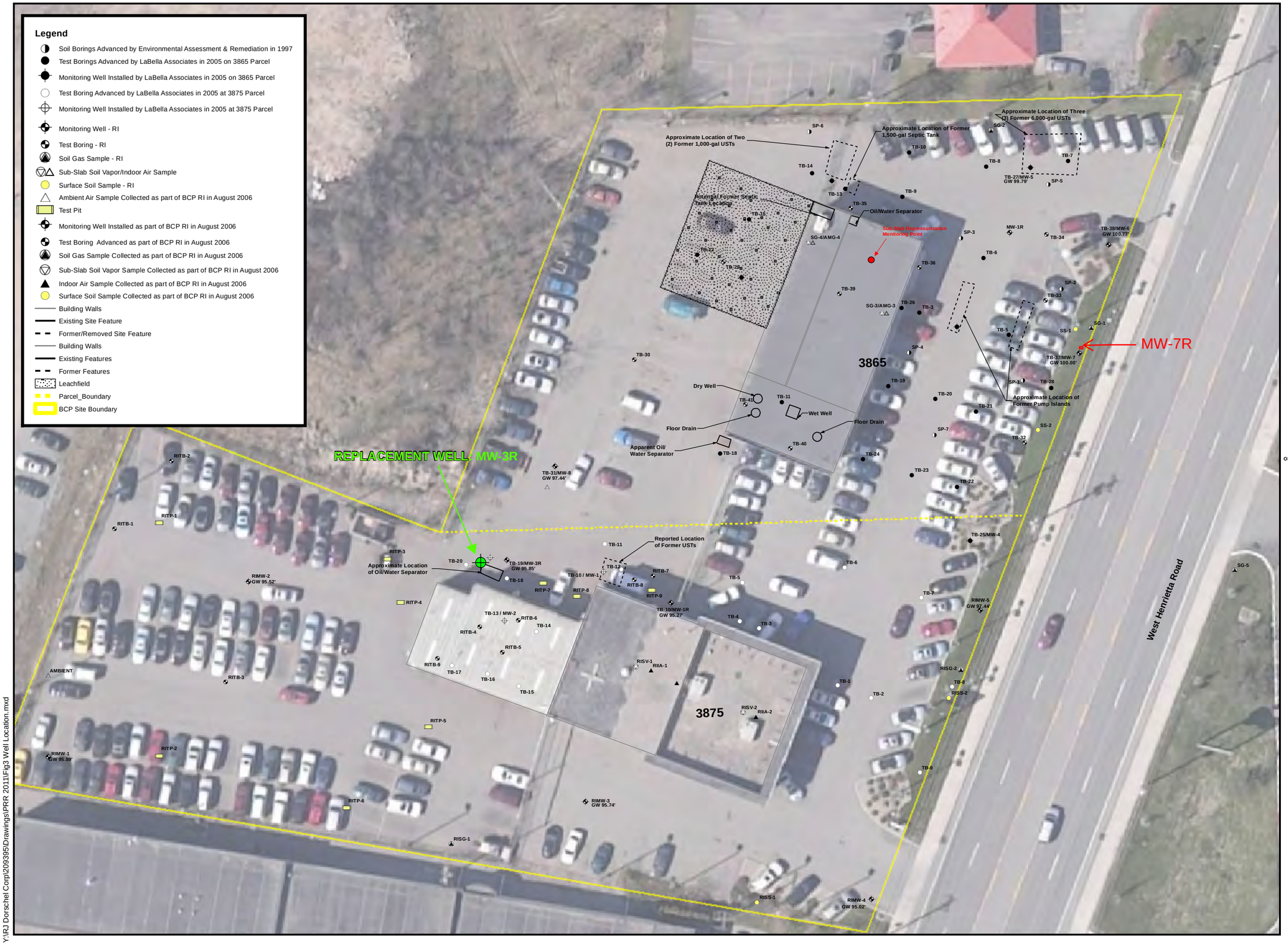
Periodic Review Report
NYSDEC BCP Site #C8281324
3865 & 3875 West Henrietta Rd
Henrietta, New York

Site Plan and Surrounding Properties

N
W E
S

2223592

FIGURE 2



Y:\RJ Dorschel Corp\209395\Drawings\PRR 2011\Fig3 Well Location.mxd

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Periodic Review Report
NYSDEC BCP Site #C8281324
3865 & 3875 West Henrietta Rd
Henrietta, New York

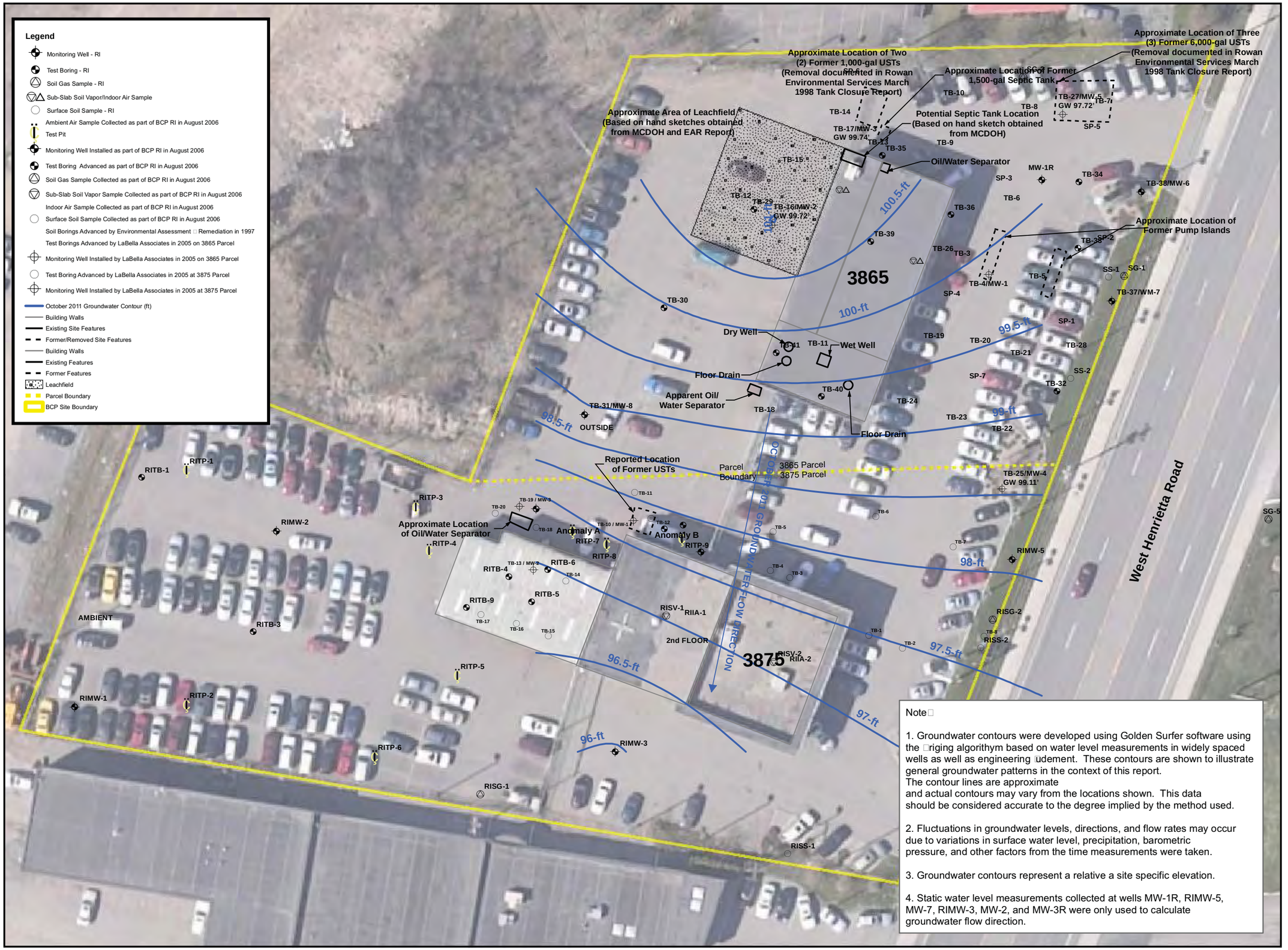
Groundwater Monitoring Well Locations and Location of Sub-Slab Depressurization Fan

N
W E
S

0 10 20 40
1 inch = 40 feet

2223592

FIGURE 3



Note

1. Groundwater contours were developed using Golden Surfer software using the riging algorithym based on water level measurements in widely spaced wells as well as engineering udement. These contours are shown to illustrate general groundwater patterns in the context of this report.
The contour lines are approximate
and actual contours may vary from the locations shown. This data
should be considered accurate to the degree implied by the method used.

2. Fluctuations in groundwater levels, directions, and flow rates may occur due to variations in surface water level, precipitation, barometric pressure, and other factors from the time measurements were taken.

3. Groundwater contours represent a relative a site specific elevation.

4. Static water level measurements collected at wells MW-1R, RIMW-5, MW-7, RIMW-3, MW-2, and MW-3R were only used to calculate groundwater flow direction.

R: Dorschel Corp 209395 Drawings PRR 2011 Fig5B Groundwater Contour Oct 2010.mxd

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Periodic Review Report
NYSDEC BCP Site #C8281324
3865 & 3875 West Henrietta Rd
Henrietta, New York

October 2011 Groundwater Contours and Site Location Plan

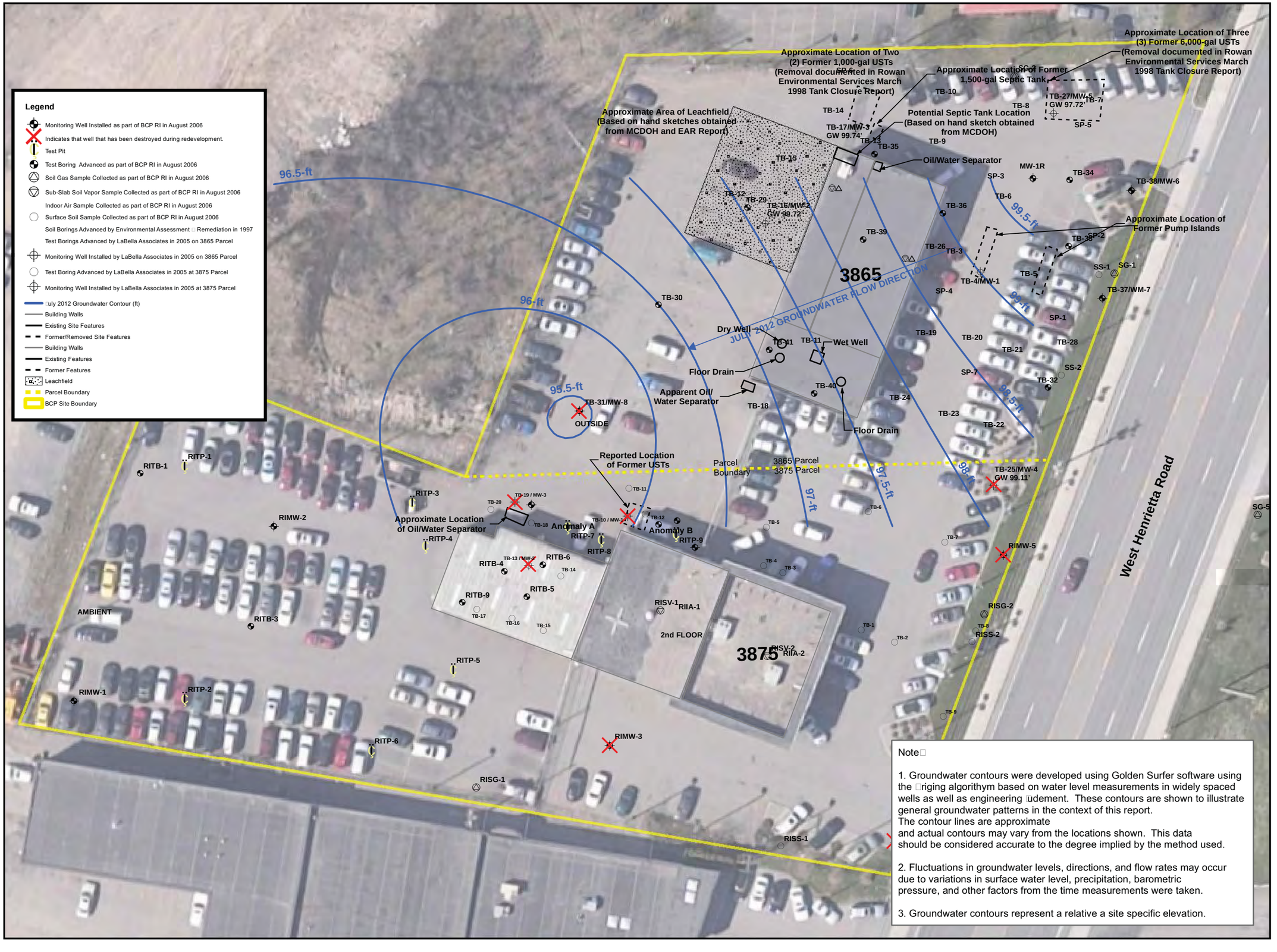
N
W E
S

0 5 10 20

1 inch 40 feet

2223592

FIGURE 4A



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Periodic Review Report
NYSDEC BCP Site #C8281324
3865 & 3875 West Henrietta Rd
Henrietta, New York

July 2012
Groundwater Contours and Site Location Plan

N
W E
S

0 5 10 20

1 inch 40 feet

2223592

FIGURE 4B

R Dorschel Corp 209395 Drawings PRR 2011 Fig5B Groundwater Contour Oct 2010.mxd

APPENDIX A

Groundwater Sample Logs

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

WELL I.D.: MW-7

Project Name: Mini Coop Sampling
Location: 3875 W Henrietta Road
Project No.: 209395
Sampled By: E. Spirito
Date: 6/22/2020
Weather: 90, Sunny, Scattered rain storms

WELL SAMPLING INFORMATION

Well Diameter: 1”
Depth of Well: 7.5
Measuring Point: TOC
Pump Type: Bladder

Static Water Level: ~3’ (Issues with water level meter)
Length of Well Screen:
Depth to Top of Pump:
Tubing Type:

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%			Comments
14:15	~60ml/min		20.2	0.81	1.37	7.53	-91	106.27			
14:20			19.7	078	1.295	7.18	-89	86.30			
14:25			19.5	0.87	1.208	7.01	-83	53.81			
14:30			19.3	1.72	1.190	7.01	-75.1	45.28			
14:35			19.9	2.81	1.249	6.92	-69.2	82.51			Well starting to dry up
14:40			21.1	2.80	1.329	7.0	-65	95.84			Turbidity increasing
14:45			21.9	2.78	1.339	7.03	-55.7	125.81			
14:50			21.6	2.85	1.345	7.02	-55.2	124.28			

Total _____ Gallons Purged

Purge Time Start: 1415
Purge Time End:
Final Static Water Level:

OBSERVATIONS

Odor. Sampled at 14:50

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

WELL I.D.: MW-3R

Project Name: Mini Coop Sampling
Location: 3875 W Henrietta Road
Project No.: 209395
Sampled By: E. Spirito
Date: 6/22/2020
Weather: 90, Sunny, Scattered rain storms

WELL SAMPLING INFORMATION

Well Diameter: 2”
Depth of Well: 15.13
Measuring Point: TOC
Pump Type: Bladder

Static Water Level: ~10’ (Issues with water level meter)
Length of Well Screen:
Depth to Top of Pump:
Tubing Type:

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%			Comments
11:40	~60ml/min		22.7	1.09	9.595	6.68	14.5	101.60			
11:45			22.2	0.78	9.207	658	18.3	56.34			
11:50			22.1	0.72	9.086	6.56	20	55.23			
11:55			22.9	0.65	8.839	6.51	16.7	54.23			
12:00			23.1	0.57	8.611	6.59	14.5	42.92			
12:05			22.9	0.59	8.425	7.1	12.6	43.60			
12:10			23.2	0.49	8.404	6.60	11.3	30.50			
12:15			23	0.49	8.411	6.60	10.9	30.23			

Total _____ Gallons Purged

Purge Time Start: 1415 Purge Time End: _____ Final Static Water Level: _____

OBSERVATIONS

Odor. Sampled at 14:50

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

WELL I.D.: MW-7R

Project Name: RJ Dorschel Groundwater Monitoring
Location: 3865 + 3875 West Henrietta Rd
Project No.: 209395
Sampled By: E. Spirito
Date: 6/10/21
Weather: 70°F

WELL SAMPLING INFORMATION

Well Diameter: 1-in
Depth of Well: 11.55
Measuring Point: TOC
Pump Type: peristaltic

Static Water Level: 2.2'
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: poly

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	~~SWL~~ (ft)	Comments
11:35			18.2	1.04	1.195	6.65	-144.1	273.04	2.2	2.2	
11:40			18.2	0.95	1.187	6.60	-156.7	220.81			YSI bubbles
11:45			18.4	0.66	1.181	6.60	173.6	63.62			
11:50			18.6	0.58	1.183	6.62	-176.9	40.51			
11:55			18.0	0.59	1.188	6.63	-179.5	47.14			
12:00			18.1	0.58	1.195	6.64	-179.9	73.39			
12:05			18.1	0.53	1.197	6.64	-182	78.28			
12:10			18.0	0.52	1.196	6.63	-188.6	76.24			
12:15			18.0	0.57	1.197	6.65	-188.2	100.51			

Total _____ Gallons Purged

Purge Time Start: 11:35 Purge Time End: 12:15 Final Static Water Level: 9.56'

OBSERVATIONS

ms/msd/ Dupe collected

Sampled @ 12:15

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

WELL I.D.: MW-3R

Project Name: Mini Coop Sampling
Location: 3875 W Henrietta Road
Project No.: 209395
Sampled By: E. Spirito
Date: 5/28/2021
Weather: Rain showers

WELL SAMPLING INFORMATION

Well Diameter:	2”	Static Water Level:	~3.02
Depth of Well:	15.13	Length of Well Screen:	5.0
Measuring Point:	TOC	Depth to Top of Pump:	13.0
Pump Type:	Peristaltic	Tubing Type:	Poly

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
10:20	~60ml/min		11.7	2.32	12.179	5.99	38.3	4.70	3.02		
10:25			11.7	0.32	12.402	6.04	41.2	11.49			
10:30			11.8	0.89	12.434	6.09	35.8	12.30			
10:35			11.3	0.95	12.444	6.11	35.9	27.26			
10:40			11.7	0.44	11.351	6.18	32.5	131.54			Cloudy YSI
10:45			11.7	0.74	9.927	6.27	35.1	51.01			
10:50			11.8	0.46	8.323	6.44	-19.1	20.16	4.95		
10:55			12.2	0.46	7.792	6.51	-34.4	45.72			
11:00			11.2	0.42	7.948	6.51	-32.4	38.32			
11:05			11.2	0.43	7.970	6.51	-31.5	31.17			
11:10			11.2	0.42	7.972	6.51	-31.5	30.67			

Total _____ Gallons Purged

Purge Time Start: 10:20 Purge Time End: 11:10 Final Static Water Level: 4.95

OBSERVATIONS

Sheen on surface

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

WELL I.D.: MW-7R

Project Name: Former Steve Joy's Sunoco, NYSDEC BCP Site #C828134
Location: 3865 West Henrietta Rd
Project No.: 2223592
Sampled By: AGB
Date: August 8, 2022
Weather: 84°F, partly cloudy

WELL SAMPLING INFORMATION

Well Diameter:	1"	Static Water Level:	1.55'
Depth of Well:	11.52'	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	9'
Pump Type:	Peristaltic	Tubing Type:	LDPE

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
0915	190	0.25	20.7	3.01	1.072	6.75	-99.3	51.68	4.01		
0920	190	0.50	20.6	0.91	1.124	6.74	-106.5	17.67	5.57		
0925	190	0.75	20.8	0.82	1.289	6.72	-112.0	11.57	6.37		
0930	190	1.00	20.9	0.72	1.327	6.74	-114.8	5.98	6.59		
0935	190	1.25	20.7	0.77	1.301	6.76	-114.0	6.56	6.60		
0940	190	1.50	20.7	0.70	1.350	6.76	-115.9	6.12	6.61		

Total 1.5 Gallons Purged

Purge Time Start: 0910 Purge Time End: 0940 Final Static Water Level: 6.61

OBSERVATIONS

Sample collected at 0942

LaBella
Powered by partnership.

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

WELL I.D.: MW-3R

Project Name: Former Steve Joy's Sunoco, NYSDEC BCP Site #C828134
Location: 3875 West Henrietta Rd
Project No.: 2223592
Sampled By: AGB
Date: August 8, 2022
Weather: 86°F, partly cloudy

WELL SAMPLING INFORMATION

Well Diameter:	2"	Static Water Level:	3.75'
Depth of Well:	15.2'	Length of Well Screen:	
Measuring Point:	TOC	Depth to Top of Pump:	13'
Pump Type:	Peristaltic	Tubing Type:	LDPE

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
1033	190	0.25	20.0	0.68	15.717	6.13	30.6	575.28	4.91		
1038	190	0.50	20.2	0.63	15.183	6.14	39.1	77.30	5.80		
1043	190	0.75	20.8	0.58	13.455	6.19	41.0	7.82	5.85		
1048	190	1.00	21.0	0.58	13.139	6.21	40.3	5.82	5.85		
1053	190	1.25	21.6	0.54	12.164	6.26	17.0	2.39	5.85		
1058	190	1.50	22.2	0.53	9.828	6.40	-19.6	3.82	5.85		
1103	190	1.75	21.8	0.56	9.070	6.47	-34.9	5.29	5.85		
1108	190	2.00	22.1	0.57	8.866	6.48	-35.4	5.01	5.85		
1113	190	2.25	22.0	0.57	8.819	6.48	-34.6	4.92	5.85		
1118	190	2.50	22.1	0.57	8.897	6.48	-33.4	4.75	5.85		

Total 2.5 Gallons Purged

Purge Time Start: 1028 Purge Time End: 1118 Final Static Water Level: 5.85

OBSERVATIONS

Sample collected at 1120.
MS/MSD and Duplicate (Dup-8.8.22) collected

APPENDIX B

Laboratory Analytical Report

ANALYTICAL REPORT

Lab Number:	L2128631
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	RJ DORSCHEL GW MONITORING
Project Number:	209395
Report Date:	06/01/21

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

Project Name: RJ DORSCHEL GW MONITORING
Project Number: 209395

Lab Number: L2128631
Report Date: 06/01/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2128631-01	MW-3R	WATER	3865 AND 3875 WEST HENRIETTA RD	05/28/21 11:10	05/28/21
L2128631-02	DUPE-01-052821	WATER	3865 AND 3875 WEST HENRIETTA RD	05/28/21 00:00	05/28/21

Project Name:	RJ DORSCHEL GW MONITORING	**Lab Number:**	L2128631
Project Number:	209395	**Report Date:**	06/01/21

Case Narrative

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

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

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

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

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

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

Project Name:	RJ DORSCHEL GW MONITORING	**Lab Number:**	L2128631
Project Number:	209395	**Report Date:**	06/01/21

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 06/01/21

ORGANICS

VOLATILES

Project Name: RJ DORSCHEL GW MONITORING **Lab Number:** L2128631

Project Number: 209395 **Report Date:** 06/01/21

SAMPLE RESULTS

Lab ID: L2128631-01 Date Collected: 05/28/21 11:10
Client ID: MW-3R Date Received: 05/28/21
Sample Location: 3865 AND 3875 WEST HENRIETTA RD Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/30/21 09:17
Analyst: KJD

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	100		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	3.2		ug/l	2.5	0.70	1

Project Name: RJ DORSCHEL GW MONITORING **Lab Number:** L2128631

Project Number: 209395 **Report Date:** 06/01/21

SAMPLE RESULTS

Lab ID: L2128631-01 Date Collected: 05/28/21 11:10

Client ID: MW-3R Date Received: 05/28/21

Sample Location: 3865 AND 3875 WEST HENRIETTA RD 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	4.1		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	1.4	J	ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	108		70-130

Project Name: RJ DORSCHEL GW MONITORING **Lab Number:** L2128631

Project Number: 209395 **Report Date:** 06/01/21

SAMPLE RESULTS

Lab ID: L2128631-02 Date Collected: 05/28/21 00:00
Client ID: DUPE-01-052821 Date Received: 05/28/21
Sample Location: 3865 AND 3875 WEST HENRIETTA RD Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/30/21 09:40
Analyst: KJD

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	110		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	3.2		ug/l	2.5	0.70	1

Project Name: RJ DORSCHEL GW MONITORING **Lab Number:** L2128631

Project Number: 209395 **Report Date:** 06/01/21

SAMPLE RESULTS

Lab ID: L2128631-02 Date Collected: 05/28/21 00:00

Client ID: DUPE-01-052821 Date Received: 05/28/21

Sample Location: 3865 AND 3875 WEST HENRIETTA RD 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	3.4		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	1.4	J	ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	109		70-130

Project Name: RJ DORSCHEL GW MONITORING **Lab Number:** L2128631

Project Number: 209395 **Report Date:** 06/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/30/21 08:54
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1506050-5					
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: RJ DORSCHEL GW MONITORING **Lab Number:** L2128631

Project Number: 209395 **Report Date:** 06/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/30/21 08:54
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1506050-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: RJ DORSCHEL GW MONITORING **Lab Number:** L2128631

Project Number: 209395 **Report Date:** 06/01/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/30/21 08:54
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1506050-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	117		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RJ DORSCHEL GW MONITORING
Project Number: 209395

Lab Number: L2128631
Report Date: 06/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1506050-3 WG1506050-4								
Methylene chloride	85		86		70-130	1		20
1,1-Dichloroethane	90		91		70-130	1		20
Chloroform	92		95		70-130	3		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	88		89		70-130	1		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	88		92		70-130	4		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	94		97		75-130	3		20
Trichlorofluoromethane	97		97		62-150	0		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		97		67-130	1		20
trans-1,3-Dichloropropene	79		80		70-130	1		20
cis-1,3-Dichloropropene	83		85		70-130	2		20
Bromoform	91		95		54-136	4		20
1,1,2,2-Tetrachloroethane	82		84		67-130	2		20
Benzene	83		84		70-130	1		20
Toluene	88		90		70-130	2		20
Ethylbenzene	87		90		70-130	3		20
Chloromethane	75		75		64-130	0		20
Bromomethane	52		54		39-139	4		20
Vinyl chloride	81		80		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RJ DORSCHEL GW MONITORING
Project Number: 209395

Lab Number: L2128631
Report Date: 06/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1506050-3 WG1506050-4								
Chloroethane	84		84		55-138	0		20
1,1-Dichloroethene	92		92		61-145	0		20
trans-1,2-Dichloroethene	92		93		70-130	1		20
Trichloroethene	92		94		70-130	2		20
1,2-Dichlorobenzene	93		96		70-130	3		20
1,3-Dichlorobenzene	93		97		70-130	4		20
1,4-Dichlorobenzene	94		96		70-130	2		20
Methyl tert butyl ether	78		81		63-130	4		20
p/m-Xylene	90		95		70-130	5		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	92		95		70-130	3		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	63		63		36-147	0		20
Acetone	69		70		58-148	1		20
Carbon disulfide	80		80		51-130	0		20
2-Butanone	79		88		63-138	11		20
4-Methyl-2-pentanone	76		83		59-130	9		20
2-Hexanone	84		94		57-130	11		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	93		94		70-130	1		20
1,2-Dibromo-3-chloropropane	95		97		41-144	2		20
Isopropylbenzene	83		86		70-130	4		20
1,2,3-Trichlorobenzene	90		95		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RJ DORSCHEL GW MONITORING

Project Number: 209395

Lab Number: L2128631

Report Date: 06/01/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1506050-3 WG1506050-4								
1,2,4-Trichlorobenzene	85		89		70-130	5		20
Methyl Acetate	83		89		70-130	7		20
Cyclohexane	88		92		70-130	4		20
1,4-Dioxane	104		96		56-162	8		20
Freon-113	88		88		70-130	0		20
Methyl cyclohexane	81		85		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		106		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	90		89		70-130
Dibromofluoromethane	105		101		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: RJ DORSCHEL GW MONITORING
Project Number: 209395
Lab Number: L2128631
Report Date: 06/01/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1506050-6 WG1506050-7 QC Sample: L2128631-01 Client ID: MW-3R												
Methylene chloride	ND	10	8.8	88		9.3	93		70-130	6		20
1,1-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
Chloroform	ND	10	9.9	99		10	100		70-130	1		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	9.0	90		9.6	96		70-130	6		20
Dibromochloromethane	ND	10	9.9	99		10	100		63-130	1		20
1,1,2-Trichloroethane	ND	10	8.8	88		9.2	92		70-130	4		20
Tetrachloroethene	ND	10	10	100		11	110		70-130	10		20
Chlorobenzene	100	10	120	**200**	Q	110	100		75-130	9		20
Trichlorofluoromethane	ND	10	12	120		12	120		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		11	110		70-130	10		20
1,1,1-Trichloroethane	ND	10	11	110		12	120		67-130	9		20
Bromodichloromethane	ND	10	9.8	98		10	100		67-130	2		20
trans-1,3-Dichloropropene	ND	10	7.4	74		7.8	78		70-130	5		20
cis-1,3-Dichloropropene	ND	10	7.9	79		8.4	84		70-130	6		20
Bromoform	ND	10	9.4	94		10	100		54-136	6		20
1,1,2,2-Tetrachloroethane	ND	10	8.6	86		9.2	92		67-130	7		20
Benzene	ND	10	8.8	88		9.4	94		70-130	7		20
Toluene	ND	10	8.9	89		9.3	93		70-130	4		20
Ethylbenzene	ND	10	9.2	92		9.6	96		70-130	4		20
Chloromethane	ND	10	8.0	80		8.6	86		64-130	7		20
Bromomethane	ND	10	4.2	42		6.0	60		39-139	**35**	Q	20
Vinyl chloride	ND	10	9.0	90		9.8	98		55-140	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: RJ DORSCHEL GW MONITORING
Project Number: 209395
Lab Number: L2128631
Report Date: 06/01/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1506050-6 WG1506050-7 QC Sample: L2128631-01 Client ID: MW-3R												
Chloroethane	ND	10	9.3	93		10	100		55-138	7		20
1,1-Dichloroethene	ND	10	10	100		11	110		61-145	10		20
trans-1,2-Dichloroethene	ND	10	10	100		11	110		70-130	10		20
Trichloroethene	ND	10	10	100		11	110		70-130	10		20
1,2-Dichlorobenzene	3.2	10	13	98		13	98		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,4-Dichlorobenzene	4.1	10	13	89		14	99		70-130	7		20
Methyl tert butyl ether	ND	10	8.6	86		9.0	90		63-130	5		20
p/m-Xylene	ND	20	18	90		19	95		70-130	5		20
o-Xylene	ND	20	17	85		18	90		70-130	6		20
cis-1,2-Dichloroethene	ND	10	9.6	96		10	100		70-130	4		20
Styrene	ND	20	18	90		18	90		70-130	0		20
Dichlorodifluoromethane	1.4J	10	8.3	83		8.8	88		36-147	6		20
Acetone	ND	10	8.8	88		9.2	92		58-148	4		20
Carbon disulfide	ND	10	9.1	91		9.6	96		51-130	5		20
2-Butanone	ND	10	9.4	94		8.9	89		63-138	5		20
4-Methyl-2-pentanone	ND	10	8.1	81		8.9	89		59-130	9		20
2-Hexanone	ND	10	10	100		9.8	98		57-130	2		20
Bromochloromethane	ND	10	11	110		12	120		70-130	9		20
1,2-Dibromoethane	ND	10	9.0	90		9.6	96		70-130	6		20
1,2-Dibromo-3-chloropropane	ND	10	9.7	97		11	110		41-144	13		20
Isopropylbenzene	ND	10	8.6	86		9.2	92		70-130	7		20
1,2,3-Trichlorobenzene	ND	10	8.9	89		10	100		70-130	12		20

Matrix Spike Analysis

Batch Quality Control

Project Name: RJ DORSCHEL GW MONITORING
Project Number: 209395
Lab Number: L2128631
Report Date: 06/01/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1506050-6 WG1506050-7 QC Sample: L2128631-01 Client ID: MW-3R												
1,2,4-Trichlorobenzene	ND	10	8.6	86		9.4	94		70-130	9		20
Methyl Acetate	ND	10	8.4	84		9.2	92		70-130	9		20
Cyclohexane	ND	10	9.9J	99		11	110		70-130	11		20
1,4-Dioxane	ND	500	660	132		740	148		56-162	11		20
Freon-113	ND	10	10	100		11	110		70-130	10		20
Methyl cyclohexane	ND	10	9.3J	93		10	100		70-130	7		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		111		70-130
4-Bromofluorobenzene	88		87		70-130
Dibromofluoromethane	106		105		70-130
Toluene-d8	94		94		70-130

Project Name: RJ DORSCHEL GW MONITORING
Project Number: 209395

Lab Number: L2128631
Report Date: 06/01/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2128631-01A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-01A1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-01A2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-01B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-01B1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-01B2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-01C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-01C1	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-01C2	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-02A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-02B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2128631-02C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	RJ DORSCHEL GW MONITORING	**Lab Number:**	L2128631
Project Number:	209395	**Report Date:**	06/01/21

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	RJ DORSCHEL GW MONITORING	**Lab Number:**	L2128631
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	RJ DORSCHEL GW MONITORING	**Lab Number:**	L2128631
Project Number:	209395	**Report Date:**	06/01/21

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 5/29/21

ALPHA Job #: L2128631

Client Information

Client: LaBella Associates
Address: 300 State Street, Suite 201
Rochester, NY 14609
Phone: 585-454-6110
Fax: ~~Fax~~ eSpitz@labellapc.com
Email: mpelychaty@labellapc.com

Project Information

Project Name: RJ Dorschel Groundwater monitoring
Project Location: 3865 and 3875 West Henrietta Rd
Project #: 209395
(Use Project name as Project #): ☐
Project Manager: Mike Pelychaty
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 2 DAYS

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

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

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	Sample Specific Comments	Total Bottle
28631-01	MW-3R	5/28/21	11:10	GW	ES	X	ms/msd collected	9
-02	DUP-01-052821	5/28/21	—	GW	ES	X		3

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

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

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

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Emily Lewis	12:00 5/28/21	SECURE STORAGE AAL	5/28/21 12:00
SECURE STORAGE AAL	5/28/21 12:36	RCunningham AAL	5/28/21 12:36
RCunningham AAL	5/28/21 12:36		5/29/21 01:20

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

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

ANALYTICAL REPORT

Lab Number:	L2131461
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	RJ DORSCHEL GROUNDWATER
Project Number:	209395
Report Date:	06/15/21

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

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

Project Name: RJ DORSCHEL GROUNDWATER
Project Number: 209395

Lab Number: L2131461
Report Date: 06/15/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2131461-01	MW-7R	WATER	HENRIETTA, NY	06/10/21 12:15	06/10/21
L2131461-02	DUPE-061021	WATER	HENRIETTA, NY	06/10/21 00:00	06/10/21
L2131461-03	TRIP BLANK	WATER	HENRIETTA, NY	06/10/21 00:00	06/10/21

Project Name:	RJ DORSCHEL GROUNDWATER	**Lab Number:**	L2131461
Project Number:	209395	**Report Date:**	06/15/21

Case Narrative

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

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

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

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

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

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

Project Name:	RJ DORSCHEL GROUNDWATER	**Lab Number:**	L2131461
Project Number:	209395	**Report Date:**	06/15/21

Case Narrative (continued)

Report Submission

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

Sample Receipt

The analyses performed were specified by the client.

L2131461-03: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. This sample was not analyzed.

Volatile Organics

L2131461-01D and -02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

The WG1512330-7 MSD recovery, performed on L2131461-01, is outside the acceptance criteria for cyclohexane (0%). The unacceptable percent recovery is attributed to the elevated concentration of target compound present in the native sample.

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: Michelle M. Morris

Title: Technical Director/Representative Date: 06/15/21

ORGANICS

VOLATILES

Project Name: RJ DORSCHEL GROUNDWATER **Lab Number:** L2131461

Project Number: 209395 **Report Date:** 06/15/21

SAMPLE RESULTS

Lab ID: L2131461-01 D
Client ID: MW-7R
Sample Location: HENRIETTA, NY

Date Collected: 06/10/21 12:15
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/21 10:55
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	1.4	J	ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	21		ug/l	1.0	0.32	2
Toluene	7.3		ug/l	5.0	1.4	2
Ethylbenzene	34		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: RJ DORSCHEL GROUNDWATER **Lab Number:** L2131461

Project Number: 209395 **Report Date:** 06/15/21

SAMPLE RESULTS

Lab ID: L2131461-01 D
Client ID: MW-7R
Sample Location: HENRIETTA, NY

Date Collected: 06/10/21 12:15
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	38		ug/l	5.0	1.4	2
o-Xylene	2.4	J	ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	31		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	110		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	48		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Project Name: RJ DORSCHEL GROUNDWATER **Lab Number:** L2131461

Project Number: 209395 **Report Date:** 06/15/21

SAMPLE RESULTS

Lab ID: L2131461-02 D
Client ID: DUPE-061021
Sample Location: HENRIETTA, NY

Date Collected: 06/10/21 00:00
Date Received: 06/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/21 11:17
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	24		ug/l	1.0	0.32	2
Toluene	6.8		ug/l	5.0	1.4	2
Ethylbenzene	43		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: RJ DORSCHEL GROUNDWATER **Lab Number:** L2131461

Project Number: 209395 **Report Date:** 06/15/21

SAMPLE RESULTS

Lab ID: L2131461-02 D Date Collected: 06/10/21 00:00
Client ID: DUPE-061021 Date Received: 06/10/21
Sample Location: HENRIETTA, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	43		ug/l	5.0	1.4	2
o-Xylene	2.6	J	ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	44		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	150		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	67		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Project Name: RJ DORSCHEL GROUNDWATER **Lab Number:** L2131461

Project Number: 209395 **Report Date:** 06/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/21 08:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1512330-5					
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: RJ DORSCHEL GROUNDWATER **Lab Number:** L2131461

Project Number: 209395 **Report Date:** 06/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/21 08:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1512330-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: RJ DORSCHEL GROUNDWATER **Lab Number:** L2131461

Project Number: 209395 **Report Date:** 06/15/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/21 08:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1512330-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	116		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RJ DORSCHEL GROUNDWATER
Project Number: 209395
Lab Number: L2131461
Report Date: 06/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1512330-3 WG1512330-4								
Methylene chloride	100		98		70-130	2		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		96		70-130	4		20
Carbon tetrachloride	93		83		63-132	11		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	87		89		63-130	2		20
1,1,2-Trichloroethane	88		95		70-130	8		20
Tetrachloroethene	93		90		70-130	3		20
Chlorobenzene	95		96		75-130	1		20
Trichlorofluoromethane	100		92		62-150	8		20
1,2-Dichloroethane	97		89		70-130	9		20
1,1,1-Trichloroethane	88		83		67-130	6		20
Bromodichloromethane	92		91		67-130	1		20
trans-1,3-Dichloropropene	79		79		70-130	0		20
cis-1,3-Dichloropropene	88		83		70-130	6		20
Bromoform	86		91		54-136	6		20
1,1,2,2-Tetrachloroethane	92		92		67-130	0		20
Benzene	100		94		70-130	6		20
Toluene	92		91		70-130	1		20
Ethylbenzene	90		90		70-130	0		20
Chloromethane	110		100		64-130	10		20
Bromomethane	**140**	Q	130		39-139	7		20
Vinyl chloride	120		120		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RJ DORSCHEL GROUNDWATER
Project Number: 209395
Lab Number: L2131461
Report Date: 06/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1512330-3 WG1512330-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	98		90		61-145	9		20
trans-1,2-Dichloroethene	100		95		70-130	5		20
Trichloroethene	92		89		70-130	3		20
1,2-Dichlorobenzene	92		91		70-130	1		20
1,3-Dichlorobenzene	94		92		70-130	2		20
1,4-Dichlorobenzene	93		92		70-130	1		20
Methyl tert butyl ether	77		84		63-130	9		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	99		100		36-147	1		20
Acetone	86		81		58-148	6		20
Carbon disulfide	100		95		51-130	5		20
2-Butanone	70		86		63-138	**21**	Q	20
4-Methyl-2-pentanone	68		80		59-130	16		20
2-Hexanone	66		70		57-130	6		20
Bromochloromethane	99		98		70-130	1		20
1,2-Dibromoethane	83		85		70-130	2		20
1,2-Dibromo-3-chloropropane	76		85		41-144	11		20
Isopropylbenzene	88		86		70-130	2		20
1,2,3-Trichlorobenzene	80		80		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RJ DORSCHEL GROUNDWATER
Project Number: 209395

Lab Number: L2131461
Report Date: 06/15/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1512330-3 WG1512330-4								
1,2,4-Trichlorobenzene	83		83		70-130	0		20
Methyl Acetate	95		98		70-130	3		20
Cyclohexane	97		91		70-130	6		20
1,4-Dioxane	70		76		56-162	8		20
Freon-113	100		99		70-130	1		20
Methyl cyclohexane	91		84		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		113		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	107		105		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: RJ DORSCHEL GROUNDWATER
Project Number: 209395
Lab Number: L2131461
Report Date: 06/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1512330-6 WG1512330-7 QC Sample: L2131461-01 Client ID: MW-7R												
Methylene chloride	1.4J	20	19	95		20	100		70-130	5		20
1,1-Dichloroethane	ND	20	19	95		20	100		70-130	5		20
Chloroform	ND	20	18	90		18	90		70-130	0		20
Carbon tetrachloride	ND	20	20	100		20	100		63-132	0		20
1,2-Dichloropropane	ND	20	20	100		20	100		70-130	0		20
Dibromochloromethane	ND	20	20	100		19	95		63-130	5		20
1,1,2-Trichloroethane	ND	20	24	120		22	110		70-130	9		20
Tetrachloroethene	ND	20	21	105		19	95		70-130	10		20
Chlorobenzene	ND	20	20	100		19	95		75-130	5		20
Trichlorofluoromethane	ND	20	21	105		21	105		62-150	0		20
1,2-Dichloroethane	ND	20	17	85		18	90		70-130	6		20
1,1,1-Trichloroethane	ND	20	18	90		18	90		67-130	0		20
Bromodichloromethane	ND	20	17	85		18	90		67-130	6		20
trans-1,3-Dichloropropene	ND	20	17	85		16	80		70-130	6		20
cis-1,3-Dichloropropene	ND	20	16	80		17	85		70-130	6		20
Bromoform	ND	20	20	100		21	105		54-136	5		20
1,1,2,2-Tetrachloroethane	ND	20	22	110		22	110		67-130	0		20
Benzene	21	20	40	95		41	100		70-130	2		20
Toluene	7.3	20	28	104		26	94		70-130	7		20
Ethylbenzene	34	20	55	105		54	100		70-130	2		20
Chloromethane	ND	20	21	105		20	100		64-130	5		20
Bromomethane	ND	20	24	120		23	115		39-139	4		20
Vinyl chloride	ND	20	25	125		25	125		55-140	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RJ DORSCHEL GROUNDWATER
Project Number: 209395
Lab Number: L2131461
Report Date: 06/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1512330-6 WG1512330-7 QC Sample: L2131461-01 Client ID: MW-7R												
Chloroethane	ND	20	22	110		20	100		55-138	10		20
1,1-Dichloroethene	ND	20	20	100		20	100		61-145	0		20
trans-1,2-Dichloroethene	ND	20	19	95		19	95		70-130	0		20
Trichloroethene	ND	20	17	85		17	85		70-130	0		20
1,2-Dichlorobenzene	ND	20	20	100		19	95		70-130	5		20
1,3-Dichlorobenzene	ND	20	20	100		19	95		70-130	5		20
1,4-Dichlorobenzene	ND	20	20	100		19	95		70-130	5		20
Methyl tert butyl ether	ND	20	17	85		19	95		63-130	11		20
p/m-Xylene	38	40	79	103		73	88		70-130	8		20
o-Xylene	2.4J	40	44	110		40	100		70-130	10		20
cis-1,2-Dichloroethene	ND	20	18	90		18	90		70-130	0		20
Styrene	ND	40	41	103		38	95		70-130	8		20
Dichlorodifluoromethane	ND	20	24	120		25	125		36-147	4		20
Acetone	ND	20	26	130		29	145		58-148	11		20
Carbon disulfide	ND	20	21	105		20	100		51-130	5		20
2-Butanone	ND	20	41	**205**	Q	39	**195**	Q	63-138	5		20
4-Methyl-2-pentanone	ND	20	20	100		20	100		59-130	0		20
2-Hexanone	ND	20	17	85		17	85		57-130	0		20
Bromochloromethane	ND	20	18	90		19	95		70-130	5		20
1,2-Dibromoethane	ND	20	18	90		19	95		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	20	18	90		20	100		41-144	11		20
Isopropylbenzene	31	20	53	110		54	115		70-130	2		20
1,2,3-Trichlorobenzene	ND	20	19	95		20	100		70-130	5		20

Matrix Spike Analysis

Batch Quality Control

Project Name: RJ DORSCHEL GROUNDWATER
Project Number: 209395
Lab Number: L2131461
Report Date: 06/15/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1512330-6 WG1512330-7 QC Sample: L2131461-01 Client ID: MW-7R												
1,2,4-Trichlorobenzene	ND	20	21	105		20	100		70-130	5		20
Methyl Acetate	ND	20	12	**60**	Q	16	80		70-130	**29**	Q	20
Cyclohexane	110	20	120	**50**	Q	110	**0**	Q	70-130	9		20
1,4-Dioxane	ND	1000	800	80		950	95		56-162	17		20
Freon-113	ND	20	22	110		22	110		70-130	0		20
Methyl cyclohexane	48	20	68	100		56	**40**	Q	70-130	19		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		105		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	89		99		70-130
Toluene-d8	103		101		70-130

Project Name: RJ DORSCHEL GROUNDWATER
Project Number: 209395

Lab Number: L2131461
Report Date: 06/15/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2131461-01A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-01A1	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-01A2	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-01B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-01B1	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-01B2	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-01C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-01C1	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-01C2	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-02A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-02B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-02C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2131461-03A	Vial HCl preserved	A	NA		5.1	Y	Absent		ARCHIVE()
L2131461-03B	Vial HCl preserved	A	NA		5.1	Y	Absent		ARCHIVE()

Container Comments

L2131461-03A	Vial contains headspace
L2131461-03B	Vial contains headspace

*Values in parentheses indicate holding time in days

Project Name:	RJ DORSCHEL GROUNDWATER	**Lab Number:**	L2131461
Project Number:	209395	**Report Date:**	06/15/21

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	RJ DORSCHEL GROUNDWATER	**Lab Number:**	L2131461
Project Number:	209395	**Report Date:**	06/15/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	RJ DORSCHEL GROUNDWATER	**Lab Number:**	L2131461
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Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page \ of \

Date Rec'd in Lab: 6/11/21

ALPHA Job #: L2131461

Client Information
Client: LaBella Associates
Address: 300 State Street, Suite 201
Rochester, NY 14614
Phone: 585-454-6110
Fax:
Email: MPelychaty@labellapc.com

Project Information
Project Name: AJ Dorschel Groundwater
Project Location: Henrietta, NY
Project # 209395
(Use Project name as Project #) ☐
Project Manager: M. Pelychaty
ALPHAQuote #:

Turn-Around Time
Standard ☐
Rush (only if pre approved) ☒
Due Date: 1 DAY
# of Days:

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

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

Billing Information
☒ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
CP-51 & VOCs via 8260

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	Sample Specific Comments	Total Bottle
31461-01	MW-7R	6/10/21	12:15	GW	ES	MS/MSD collected	9
-02	Dupe-061021	6/10/21	—	GW	ES		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	V												
Preservative	B												

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	6/10/21 13:30	SECURE STORAGE AAL	6/10/21 13:30
SECURE STORAGE AAL	6/10/21 16:53	RCunningham AAL	6/10/21 16:53
RCunningham AAL	6/10/21 16:53	[illegible]	6/11/21 00:40

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

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

ANALYTICAL REPORT

Lab Number:	L2026156
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	MINI COOPER ANNUAL MONITORING
Project Number:	219395
Report Date:	06/24/20

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).

Project Name: MINI COOPER ANNUAL MONITORING
Project Number: 219395

Lab Number: L2026156
Report Date: 06/24/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2026156-01	MW-3R-062220	WATER	MINI COOP OF ROCHESTER	06/22/20 12:15	06/22/20
L2026156-02	MW-7-06-2220	WATER	MINI COOP OF ROCHESTER	06/22/20 14:50	06/22/20
L2026156-03	DUPE-01	WATER	MINI COOP OF ROCHESTER	06/22/20 00:00	06/22/20
L2026156-04	TRIP BLANK-01	WATER	MINI COOP OF ROCHESTER	06/22/20 13:00	06/22/20

Project Name:	MINI COOPER ANNUAL MONITORING	**Lab Number:**	L2026156
Project Number:	219395	**Report Date:**	06/24/20

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:	MINI COOPER ANNUAL MONITORING	**Lab Number:**	L2026156
Project Number:	219395	**Report Date:**	06/24/20

Case Narrative (continued)

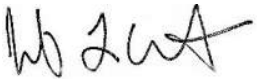
Report Submission

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

Volatile Organics

The WG1385074-6/-7 MS/MSD recoveries, performed on L2026156-01, are outside the acceptance criteria for chlorobenzene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

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:  Jennifer L Clements

Title: Technical Director/Representative Date: 06/24/20

ORGANICS

VOLATILES

Project Name: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

SAMPLE RESULTS

Lab ID: L2026156-01 Date Collected: 06/22/20 12:15
Client ID: MW-3R-062220 Date Received: 06/22/20
Sample Location: MINI COOP OF ROCHESTER Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/23/20 16:42
Analyst: AJK

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	120		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	3.3		ug/l	2.5	0.70	1

Project Name: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

SAMPLE RESULTS

Lab ID: L2026156-01 Date Collected: 06/22/20 12:15

Client ID: MW-3R-062220 Date Received: 06/22/20

Sample Location: MINI COOP OF ROCHESTER 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	1.6	J	ug/l	2.5	0.70	1
Methyl tert butyl ether	1.1	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	1.0	J	ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
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	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130

Project Name: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

SAMPLE RESULTS

Lab ID: L2026156-02 D
Client ID: MW-7-06-2220
Sample Location: MINI COOP OF ROCHESTER

Date Collected: 06/22/20 14:50
Date Received: 06/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/23/20 23:40
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	780		ug/l	2.5	0.80	5
Toluene	57		ug/l	12	3.5	5
Ethylbenzene	920		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

SAMPLE RESULTS

Lab ID: L2026156-02 D
Client ID: MW-7-06-2220
Sample Location: MINI COOP OF ROCHESTER

Date Collected: 06/22/20 14:50
Date Received: 06/22/20
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	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	1700		ug/l	12	3.5	5
o-Xylene	98		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
n-Butylbenzene	14		ug/l	12	3.5	5
sec-Butylbenzene	9.5	J	ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	52		ug/l	12	3.5	5
p-Isopropyltoluene	6.2	J	ug/l	12	3.5	5
Naphthalene	560		ug/l	12	3.5	5
n-Propylbenzene	120		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	70		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	830		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	140		ug/l	50	1.4	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	59		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

SAMPLE RESULTS

Lab ID: L2026156-03 Date Collected: 06/22/20 00:00
Client ID: DUPE-01 Date Received: 06/22/20
Sample Location: MINI COOP OF ROCHESTER Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/23/20 17:32
Analyst: AJK

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	120		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	3.5		ug/l	2.5	0.70	1

Project Name: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

SAMPLE RESULTS

Lab ID: L2026156-03 Date Collected: 06/22/20 00:00

Client ID: DUPE-01 Date Received: 06/22/20

Sample Location: MINI COOP OF ROCHESTER 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	1.9	J	ug/l	2.5	0.70	1
Methyl tert butyl ether	1.0	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
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	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

SAMPLE RESULTS

Lab ID: L2026156-04 Date Collected: 06/22/20 13:00
Client ID: TRIP BLANK-01 Date Received: 06/22/20
Sample Location: MINI COOP OF ROCHESTER Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/23/20 16:17
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.21	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

SAMPLE RESULTS

Lab ID: L2026156-04 Date Collected: 06/22/20 13:00

Client ID: TRIP BLANK-01 Date Received: 06/22/20

Sample Location: MINI COOP OF ROCHESTER Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
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	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/20 09:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG1385074-5					
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: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/20 09:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG1385074-5					
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: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/20 09:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG1385074-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/20 20:22
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1385429-5					
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: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/20 20:22
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1385429-5					
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: MINI COOPER ANNUAL MONITORING **Lab Number:** L2026156

Project Number: 219395 **Report Date:** 06/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/20 20:22
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1385429-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MINI COOPER ANNUAL MONITORING

Project Number: 219395

Lab Number: L2026156

Report Date: 06/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1385074-3 WG1385074-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	98		99		63-132	1		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	93		93		63-130	0		20
1,1,2-Trichloroethane	99		98		70-130	1		20
Tetrachloroethene	96		99		70-130	3		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	100		99		67-130	1		20
trans-1,3-Dichloropropene	95		87		70-130	9		20
cis-1,3-Dichloropropene	98		95		70-130	3		20
Bromoform	88		88		54-136	0		20
1,1,2,2-Tetrachloroethane	94		94		67-130	0		20
Benzene	99		100		70-130	1		20
Toluene	99		100		70-130	1		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	120		120		64-130	0		20
Bromomethane	59		48		39-139	**21**	Q	20
Vinyl chloride	91		90		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MINI COOPER ANNUAL MONITORING

Project Number: 219395

Lab Number: L2026156

Report Date: 06/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1385074-3 WG1385074-4								
Chloroethane	86		89		55-138	3		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	96		98		70-130	2		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	98		92		63-130	6		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	89		90		36-147	1		20
Acetone	130		**150**	Q	58-148	14		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	120		120		63-138	0		20
4-Methyl-2-pentanone	91		85		59-130	7		20
2-Hexanone	92		88		57-130	4		20
1,2-Dibromoethane	94		93		70-130	1		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	99		100		70-130	1		20
tert-Butylbenzene	95		100		70-130	5		20
1,2-Dibromo-3-chloropropane	85		85		41-144	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MINI COOPER ANNUAL MONITORING

Project Number: 219395

Lab Number: L2026156

Report Date: 06/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1385074-3 WG1385074-4								
Isopropylbenzene	94		97		70-130	3		20
p-Isopropyltoluene	98		100		70-130	2		20
Naphthalene	86		86		70-130	0		20
n-Propylbenzene	98		100		69-130	2		20
1,2,4-Trichlorobenzene	94		97		70-130	3		20
1,3,5-Trimethylbenzene	97		100		64-130	3		20
1,2,4-Trimethylbenzene	97		99		70-130	2		20
Methyl Acetate	130		110		70-130	17		20
Cyclohexane	110		110		70-130	0		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	97		100		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		102		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	105		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: MINI COOPER ANNUAL MONITORING
Project Number: 219395

Lab Number: L2026156
Report Date: 06/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1385429-3 WG1385429-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	95		98		63-130	3		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	97		100		70-130	3		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	88		91		54-136	3		20
1,1,2,2-Tetrachloroethane	96		100		67-130	4		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	120		120		64-130	0		20
Bromomethane	45		48		39-139	6		20
Vinyl chloride	89		90		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MINI COOPER ANNUAL MONITORING

Project Number: 219395

Lab Number: L2026156

Report Date: 06/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1385429-3 WG1385429-4								
Chloroethane	87		88		55-138	1		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	89		89		36-147	0		20
Acetone	120		120		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	130		120		63-138	8		20
4-Methyl-2-pentanone	95		97		59-130	2		20
2-Hexanone	95		96		57-130	1		20
1,2-Dibromoethane	97		99		70-130	2		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	97		100		70-130	3		20
1,2-Dibromo-3-chloropropane	87		89		41-144	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MINI COOPER ANNUAL MONITORING

Project Number: 219395

Lab Number: L2026156

Report Date: 06/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1385429-3 WG1385429-4								
Isopropylbenzene	98		100		70-130	2		20
p-Isopropyltoluene	99		110		70-130	11		20
Naphthalene	91		93		70-130	2		20
n-Propylbenzene	100		100		69-130	0		20
1,2,4-Trichlorobenzene	95		100		70-130	5		20
1,3,5-Trimethylbenzene	98		100		64-130	2		20
1,2,4-Trimethylbenzene	98		100		70-130	2		20
Methyl Acetate	130		130		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	107		107		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	95		98		70-130
Dibromofluoromethane	105		104		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: MINI COOPER ANNUAL MONITORING

Project Number: 219395

Lab Number: L2026156

Report Date: 06/24/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 QC Batch ID: WG1385074-6 WG1385074-7 QC Sample: L2026156-01 Client ID: MW-3R-062220												
Methylene chloride	ND	10	10	100		11	110		70-130	10		20
1,1-Dichloroethane	ND	10	12	120		13	130		70-130	8		20
Chloroform	ND	10	11	110		12	120		70-130	9		20
Carbon tetrachloride	ND	10	10	100		11	110		63-132	10		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	9.2	92		9.7	97		63-130	5		20
1,1,2-Trichloroethane	ND	10	9.8	98		10	100		70-130	2		20
Tetrachloroethene	ND	10	9.7	97		10	100		70-130	3		20
Chlorobenzene	120	10	120	**0**	Q	120	**0**	Q	75-130	0		20
Trichlorofluoromethane	ND	10	11	110		12	120		62-150	9		20
1,2-Dichloroethane	ND	10	11	110		12	120		70-130	9		20
1,1,1-Trichloroethane	ND	10	11	110		12	120		67-130	9		20
Bromodichloromethane	ND	10	10	100		11	110		67-130	10		20
trans-1,3-Dichloropropene	ND	10	9.0	90		9.6	96		70-130	6		20
cis-1,3-Dichloropropene	ND	10	9.2	92		9.9	99		70-130	7		20
Bromoform	ND	10	8.4	84		9.0	90		54-136	7		20
1,1,2,2-Tetrachloroethane	ND	10	9.7	97		10	100		67-130	3		20
Benzene	ND	10	10	100		11	110		70-130	10		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	12	120		13	130		64-130	8		20
Bromomethane	ND	10	3.3	**33**	Q	4.4	44		39-139	**29**	Q	20
Vinyl chloride	ND	10	9.2	92		9.9	99		55-140	7		20

Matrix Spike Analysis
Batch Quality Control

Project Name: MINI COOPER ANNUAL MONITORING
Project Number: 219395
Lab Number: L2026156
Report Date: 06/24/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 QC Batch ID: WG1385074-6 WG1385074-7 QC Sample: L2026156-01 Client ID: MW-3R-062220												
Chloroethane	ND	10	8.5	85		9.2	92		55-138	8		20
1,1-Dichloroethene	ND	10	11	110		12	120		61-145	9		20
trans-1,2-Dichloroethene	ND	10	11	110		12	120		70-130	9		20
Trichloroethene	ND	10	9.9	99		10	100		70-130	1		20
1,2-Dichlorobenzene	3.3	10	13	97		14	107		70-130	7		20
1,3-Dichlorobenzene	ND	10	9.9	99		11	110		70-130	11		20
1,4-Dichlorobenzene	1.6J	10	11	110		12	120		70-130	9		20
Methyl tert butyl ether	1.1J	10	11	110		12	120		63-130	9		20
p/m-Xylene	ND	20	20	100		21	105		70-130	5		20
o-Xylene	ND	20	20	100		21	105		70-130	5		20
cis-1,2-Dichloroethene	ND	10	11	110		12	120		70-130	9		20
Styrene	ND	20	19	95		20	100		70-130	5		20
Dichlorodifluoromethane	1.0J	10	9.9	99		11	110		36-147	11		20
Acetone	ND	10	14	140		14	140		58-148	0		20
Carbon disulfide	ND	10	11	110		12	120		51-130	9		20
2-Butanone	ND	10	12	120		14	**140**	Q	63-138	15		20
4-Methyl-2-pentanone	ND	10	10	100		10	100		59-130	0		20
2-Hexanone	ND	10	9.8	98		10	100		57-130	2		20
1,2-Dibromoethane	ND	10	9.6	96		10	100		70-130	4		20
n-Butylbenzene	ND	10	9.6	96		10	100		53-136	4		20
sec-Butylbenzene	ND	10	9.4	94		10	100		70-130	6		20
tert-Butylbenzene	ND	10	9.3	93		10	100		70-130	7		20
1,2-Dibromo-3-chloropropane	ND	10	8.8	88		9.5	95		41-144	8		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MINI COOPER ANNUAL MONITORING
Project Number: 219395
Lab Number: L2026156
Report Date: 06/24/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 QC Batch ID: WG1385074-6 WG1385074-7 QC Sample: L2026156-01 Client ID: MW-3R-062220												
Isopropylbenzene	ND	10	9.3	93		10	100		70-130	7		20
p-Isopropyltoluene	ND	10	9.7	97		10	100		70-130	3		20
Naphthalene	ND	10	9.2	92		9.7	97		70-130	5		20
n-Propylbenzene	ND	10	9.5	95		10	100		69-130	5		20
1,2,4-Trichlorobenzene	ND	10	8.9	89		9.7	97		70-130	9		20
1,3,5-Trimethylbenzene	ND	10	9.4	94		10	100		64-130	6		20
1,2,4-Trimethylbenzene	ND	10	9.3	93		10	100		70-130	7		20
Methyl Acetate	ND	10	12	120		13	130		70-130	8		20
Cyclohexane	ND	10	10	100		12	120		70-130	18		20
Freon-113	ND	10	10	100		12	120		70-130	18		20
Methyl cyclohexane	ND	10	9.2J	92		10	100		70-130	8		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	103		104		70-130
Toluene-d8	99		99		70-130

Project Name: MINI COOPER ANNUAL MONITORING
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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2026156-01A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-01A1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-01A2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-01B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-01B1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-01B2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-01C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-01C1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-01C2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-02A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-02B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-02C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-03A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-03B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-03C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-04A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2026156-04B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

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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.

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.

Footnotes

Report Format: DU Report with 'J' Qualifiers

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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.

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 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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

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:	MINI COOPER ANNUAL MONITORING	**Lab Number:**	L2026156
Project Number:	219395	**Report Date:**	06/24/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

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 | of

Date Rec'd in Lab: 6/23/20

ALPHA Job #: L2026156

Client Information
Client: LaBella
Address: 300 State St
Rochester, NY 14614
Phone: 585-507-7198
Fax:
Email: Mpelychaty@labellapc.com

Project Information
Project Name: Mini Cooper Annual monitoring
Project Location: Mini Coop of Rochester
Project # 219395
(Use Project name as Project #) ☒
Project Manager: Mike Pely Chaty
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days: 3 DAY TAT

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

3 DAY TAT

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	VOCs 8260 TAL+ CP51	SVOCs 8260	Sample Specific Comments	Total Bottle
	ML-2D	6/15/20	12:00	GW	ES				
	ML-2I	6/15/20	14:30	GW	ES				
	LAB-SBW-15	6/15/20	10:55	GW	ES				
	LAB-SBW-16	6/15/20	14:45	GW	ES				
26156 -01	MW-3R-062220 (MS/MSD)	6/22/20	12:15	GW	ES	X	X	MS/MSD included	9
-02	MW-7-06-2220	6/22/20	14:50	GW	ES	X	X		6
-03	Dupe-01	6/22/20	-	GW	ES	X	X		3
-04	Trip Blank-01	6/22/20	13:00	GW	ES	X	X		2

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

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

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/22/20 15:30	RCunningham AAL	6/22/20 17:10
RCunningham AAL	6/22/20 17:10	[signature]	6/23/20 8:05:30

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

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

ANALYTICAL REPORT

Lab Number:	L2242586
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	FORMER STEVE JOY'S SUNOCO
Project Number:	P2204006
Report Date:	08/19/22

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: FORMER STEVE JOY'S SUNOCO
Project Number: P2204006

Lab Number: L2242586
Report Date: 08/19/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2242586-01	MW-7R-8.8.22	WATER	WEST HENRIETTA, NY	08/08/22 09:42	08/08/22
L2242586-02	MW-3R-8.8.22	WATER	WEST HENRIETTA, NY	08/08/22 11:20	08/08/22
L2242586-03	DUP-8.8.22	WATER	WEST HENRIETTA, NY	08/08/22 11:20	08/08/22
L2242586-04	TRIP BLANK-8.8.22	WATER	WEST HENRIETTA, NY	08/08/22 00:00	08/08/22

Project Name:	FORMER STEVE JOY'S SUNOCO	**Lab Number:**	L2242586
Project Number:	P2204006	**Report Date:**	08/19/22

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:	FORMER STEVE JOY'S SUNOCO	**Lab Number:**	L2242586
Project Number:	P2204006	**Report Date:**	08/19/22

Case Narrative (continued)

Report Submission

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

Volatile Organics

L2242586-02D: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

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

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 08/19/22

ORGANICS

VOLATILES

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2242586-01 D
Client ID: MW-7R-8.8.22
Sample Location: WEST HENRIETTA, NY

Date Collected: 08/08/22 09:42
Date Received: 08/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/13/22 18:34
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	22		ug/l	2.0	0.64	4
Toluene	3.8	J	ug/l	10	2.8	4
Ethylbenzene	30		ug/l	10	2.8	4
p/m-Xylene	46		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
Xylenes, Total	46		ug/l	10	2.8	4
n-Butylbenzene	14		ug/l	10	2.8	4
sec-Butylbenzene	8.1	J	ug/l	10	2.8	4
tert-Butylbenzene	ND		ug/l	10	2.8	4
Isopropylbenzene	49		ug/l	10	2.8	4
p-Isopropyltoluene	ND		ug/l	10	2.8	4
Naphthalene	510		ug/l	10	2.8	4
n-Propylbenzene	140		ug/l	10	2.8	4
1,3,5-Trimethylbenzene	4.8	J	ug/l	10	2.8	4
1,2,4-Trimethylbenzene	9.9	J	ug/l	10	2.8	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	93		70-130

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2242586-02 D
Client ID: MW-3R-8.8.22
Sample Location: WEST HENRIETTA, NY

Date Collected: 08/08/22 11:20
Date Received: 08/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/15/22 23:57
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	130		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	5.1		ug/l	5.0	1.4	2

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2242586-02 D
Client ID: MW-3R-8.8.22
Sample Location: WEST HENRIETTA, NY

Date Collected: 08/08/22 11:20
Date Received: 08/08/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	6.2		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2242586-03
Client ID: DUP-8.8.22
Sample Location: WEST HENRIETTA, NY

Date Collected: 08/08/22 11:20
Date Received: 08/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/12/22 16:32
Analyst: LAC

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	140		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	5.5		ug/l	2.5	0.70	1

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2242586-03 Date Collected: 08/08/22 11:20

Client ID: DUP-8.8.22 Date Received: 08/08/22

Sample Location: WEST HENRIETTA, 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	1.1	J	ug/l	2.5	0.70	1
1,4-Dichlorobenzene	6.8		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2242586-04
Client ID: TRIP BLANK-8.8.22
Sample Location: WEST HENRIETTA, NY

Date Collected: 08/08/22 00:00
Date Received: 08/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/12/22 16:09
Analyst: LAC

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

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2242586-04 Date Collected: 08/08/22 00:00

Client ID: TRIP BLANK-8.8.22 Date Received: 08/08/22

Sample Location: WEST HENRIETTA, 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	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/22 08:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1674556-5					
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: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/22 08:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1674556-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/12/22 08:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG1674556-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/22 13:52
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1675397-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	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
Xylenes, Total	ND		ug/l	2.5	0.70
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
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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/22 20:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1676390-5					
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: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/22 20:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1676390-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER STEVE JOY'S SUNOCO **Lab Number:** L2242586

Project Number: P2204006 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/22 20:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1676390-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER STEVE JOY'S SUNOCO

Project Number: P2204006

Lab Number: L2242586

Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1674556-3 WG1674556-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	94		96		70-130	2		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	98		100		70-130	2		20
Bromoform	110		110		54-136	0		20
1,1,2,2-Tetrachloroethane	96		100		67-130	4		20
Benzene	98		98		70-130	0		20
Toluene	99		100		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	**60**	Q	**58**	Q	64-130	3		20
Bromomethane	41		41		39-139	0		20
Vinyl chloride	83		82		55-140	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER STEVE JOY'S SUNOCO

Project Number: P2204006

Lab Number: L2242586

Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1674556-3 WG1674556-4								
Chloroethane	89		90		55-138	1		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	110		100		58-148	10		20
Carbon disulfide	100		99		51-130	1		20
2-Butanone	88		89		63-138	1		20
4-Methyl-2-pentanone	94		100		59-130	6		20
2-Hexanone	91		94		57-130	3		20
Bromochloromethane	120		110		70-130	9		20
1,2-Dibromoethane	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	110		120		41-144	9		20
Isopropylbenzene	98		100		70-130	2		20
1,2,3-Trichlorobenzene	110		130		70-130	17		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER STEVE JOY'S SUNOCO
Project Number: P2204006

Lab Number: L2242586
Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG1674556-3 WG1674556-4								
1,2,4-Trichlorobenzene	110		120		70-130	9		20
Methyl Acetate	89		92		70-130	3		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	120		126		56-162	5		20
Freon-113	110		120		70-130	9		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER STEVE JOY'S SUNOCO
Project Number: P2204006
Lab Number: L2242586
Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1675397-3 WG1675397-4								
Benzene	99		96		70-130	3		20
Toluene	99		97		70-130	2		20
Ethylbenzene	99		96		70-130	3		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		99		70-130	1		20
tert-Butylbenzene	100		98		70-130	2		20
Isopropylbenzene	100		98		70-130	2		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	79		96		70-130	19		20
n-Propylbenzene	100		98		69-130	2		20
1,3,5-Trimethylbenzene	100		97		64-130	3		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER STEVE JOY'S SUNOCO
Project Number: P2204006

Lab Number: L2242586
Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1676390-3 WG1676390-4								
Methylene chloride	97		96		70-130	1		20
1,1-Dichloroethane	94		92		70-130	2		20
Chloroform	94		93		70-130	1		20
Carbon tetrachloride	97		96		63-132	1		20
1,2-Dichloropropane	92		89		70-130	3		20
Dibromochloromethane	96		95		63-130	1		20
1,1,2-Trichloroethane	97		95		70-130	2		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	97		96		75-130	1		20
Trichlorofluoromethane	99		96		62-150	3		20
1,2-Dichloroethane	90		89		70-130	1		20
1,1,1-Trichloroethane	94		93		67-130	1		20
Bromodichloromethane	93		92		67-130	1		20
trans-1,3-Dichloropropene	96		95		70-130	1		20
cis-1,3-Dichloropropene	96		93		70-130	3		20
Bromoform	95		96		54-136	1		20
1,1,2,2-Tetrachloroethane	95		95		67-130	0		20
Benzene	96		94		70-130	2		20
Toluene	94		94		70-130	0		20
Ethylbenzene	95		95		70-130	0		20
Chloromethane	**53**	Q	**52**	Q	64-130	2		20
Bromomethane	65		65		39-139	0		20
Vinyl chloride	93		91		55-140	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER STEVE JOY'S SUNOCO
Project Number: P2204006

Lab Number: L2242586
Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1676390-3 WG1676390-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	99		97		61-145	2		20
trans-1,2-Dichloroethene	99		98		70-130	1		20
Trichloroethene	100		97		70-130	3		20
1,2-Dichlorobenzene	96		97		70-130	1		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	96		96		70-130	0		20
Methyl tert butyl ether	97		95		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	99		96		70-130	3		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	88		85		36-147	3		20
Acetone	86		87		58-148	1		20
Carbon disulfide	96		95		51-130	1		20
2-Butanone	75		77		63-138	3		20
4-Methyl-2-pentanone	82		82		59-130	0		20
2-Hexanone	79		80		57-130	1		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	98		98		70-130	0		20
1,2-Dibromo-3-chloropropane	96		93		41-144	3		20
Isopropylbenzene	96		96		70-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER STEVE JOY'S SUNOCO

Project Number: P2204006

Lab Number: L2242586

Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1676390-3 WG1676390-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	77		77		70-130	0		20
Cyclohexane	95		93		70-130	2		20
1,4-Dioxane	108		98		56-162	10		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	91		90		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	99		97		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER STEVE JOY'S SUNOCO

Project Number: P2204006

Lab Number: L2242586

Report Date: 08/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1676390-6 WG1676390-7 QC Sample: L2242586-02 Client ID: MW-3R-8.8.22												
Methylene chloride	ND	20	21	105		22	110		70-130	5		20
1,1-Dichloroethane	ND	20	20	100		22	110		70-130	10		20
Chloroform	ND	20	20	100		22	110		70-130	10		20
Carbon tetrachloride	ND	20	21	105		22	110		63-132	5		20
1,2-Dichloropropane	ND	20	19	95		21	105		70-130	10		20
Dibromochloromethane	ND	20	20	100		21	105		63-130	5		20
1,1,2-Trichloroethane	ND	20	20	100		22	110		70-130	10		20
Tetrachloroethene	ND	20	21	105		22	110		70-130	5		20
Chlorobenzene	130	20	150	100		140	**50**	Q	75-130	7		20
Trichlorofluoromethane	ND	20	22	110		23	115		62-150	4		20
1,2-Dichloroethane	ND	20	19	95		21	105		70-130	10		20
1,1,1-Trichloroethane	ND	20	21	105		22	110		67-130	5		20
Bromodichloromethane	ND	20	19	95		21	105		67-130	10		20
trans-1,3-Dichloropropene	ND	20	19	95		21	105		70-130	10		20
cis-1,3-Dichloropropene	ND	20	19	95		21	105		70-130	10		20
Bromoform	ND	20	19	95		22	110		54-136	15		20
1,1,2,2-Tetrachloroethane	ND	20	20	100		22	110		67-130	10		20
Benzene	ND	20	21	105		22	110		70-130	5		20
Toluene	ND	20	20	100		21	105		70-130	5		20
Ethylbenzene	ND	20	20	100		21	105		70-130	5		20
Chloromethane	ND	20	11	**55**	Q	12	**60**	Q	64-130	9		20
Bromomethane	ND	20	9.4	47		13	65		39-139	**32**	Q	20
Vinyl chloride	ND	20	21	105		22	110		55-140	5		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER STEVE JOY'S SUNOCO

Project Number: P2204006

Lab Number: L2242586

Report Date: 08/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1676390-6 WG1676390-7 QC Sample: L2242586-02 Client ID: MW-3R-8.8.22												
Chloroethane	ND	20	24	120		25	125		55-138	4		20
1,1-Dichloroethene	ND	20	22	110		24	120		61-145	9		20
trans-1,2-Dichloroethene	ND	20	22	110		23	115		70-130	4		20
Trichloroethene	ND	20	21	105		23	115		70-130	9		20
1,2-Dichlorobenzene	5.1	20	25	100		27	110		70-130	8		20
1,3-Dichlorobenzene	ND	20	21	105		22	110		70-130	5		20
1,4-Dichlorobenzene	6.2	20	26	99		27	104		70-130	4		20
Methyl tert butyl ether	ND	20	21	105		24	120		63-130	13		20
p/m-Xylene	ND	40	41	103		42	105		70-130	2		20
o-Xylene	ND	40	40	100		43	108		70-130	7		20
cis-1,2-Dichloroethene	ND	20	21	105		22	110		70-130	5		20
Styrene	ND	40	40	100		42	105		70-130	5		20
Dichlorodifluoromethane	ND	20	19	95		20	100		36-147	5		20
Acetone	ND	20	16	80		18	90		58-148	12		20
Carbon disulfide	ND	20	21	105		22	110		51-130	5		20
2-Butanone	ND	20	16	80		17	85		63-138	6		20
4-Methyl-2-pentanone	ND	20	19	95		21	105		59-130	10		20
2-Hexanone	ND	20	19	95		21	105		57-130	10		20
Bromochloromethane	ND	20	22	110		24	120		70-130	9		20
1,2-Dibromoethane	ND	20	20	100		22	110		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	20	20	100		23	115		41-144	14		20
Isopropylbenzene	ND	20	21	105		21	105		70-130	0		20
1,2,3-Trichlorobenzene	ND	20	22	110		25	125		70-130	13		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER STEVE JOY'S SUNOCO
Project Number: P2204006
Lab Number: L2242586
Report Date: 08/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1676390-6 WG1676390-7 QC Sample: L2242586-02 Client ID: MW-3R-8.8.22												
1,2,4-Trichlorobenzene	ND	20	22	110		24	120		70-130	9		20
Methyl Acetate	ND	20	16	80		17	85		70-130	6		20
Cyclohexane	ND	20	21	105		21	105		70-130	0		20
1,4-Dioxane	ND	1000	1100	110		1200	120		56-162	9		20
Freon-113	ND	20	23	115		24	120		70-130	4		20
Methyl cyclohexane	ND	20	22	110		22	110		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		93		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	99		99		70-130
Toluene-d8	97		97		70-130

Project Name: FORMER STEVE JOY'S SUNOCO
Project Number: P2204006

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Report Date: 08/19/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2242586-01A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYSTARS-8260(14)
L2242586-01B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYSTARS-8260(14)
L2242586-01C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYSTARS-8260(14)
L2242586-02A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-02A1	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-02A2	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-02B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-02B1	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-02B2	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-02C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-02C1	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-02C2	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-03A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-03B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-03C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-04A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L2242586-04B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER STEVE JOY'S SUNOCO	**Lab Number:**	L2242586
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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

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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.

Chlordane: 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.)

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'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

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 the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER STEVE JOY'S SUNOCO	**Lab Number:**	L2242586
Project Number:	P2204006	**Report Date:**	08/19/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 8/9/22

ALPHA Job #: L2242586

Client Information

Client: LABELLA ASSOCIATES
Address: 300 STATE STREET
ROCHESTER, NY 14614
Phone: 585-454-6110
~~Fax:~~ ABRETT@LABELLAPC.com
Email: MPelychaty@LaBellaPC.com

Project Information

Project Name: FORMER STEVE JOY'S SUNOCO
Project Location: West Henrietta, NY
Project # P2204006
(Use Project name as Project #) ☐
Project Manager: Mike Pelychaty
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:

* Extra volume with sample MW-3R-8.8.22 for performing MS/MSD

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	STARS List VOCs via 8260	TCL VOCs via 8260	Sample Specific Comments	Total # Bottles
42586-01	MW-7R - 8.8.22	8/8/22		GW	AGB	X			3
-02	MW-3R - 8.8.22	8/8/22		GW	AGB		X	MS/MSD*	9
-03	DUP - 8.8.22	8/8/22		GW	AGB		X		3
-04	TRIP BLANK - 8.8.22	8/8/22		GW	AGB		X		2

Container Type: V V
Preservative: B B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

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

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	8/8/22 1416	SECURE STORAGE AAL	8/8/22 14:16
SECURE STORAGE AAL	8/8/22 16:56	R Cunningham AAL	8/8/22 16:56
R Cunningham AAL	8/8/22 16:56		8/9/22 0015

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)

APPENDIX C

Site Inspection Form

LaBella
Powered by partnership.

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

SITE-WIDE INSPECTION FORM

Project Name: NYSDEC BCP Site No. C828134
Location: 3865 & 3875 West Henrietta Road, Rochester, New York
Project No.: 209395
Inspected By: E. Spirito
Date of Inspection: 6/22/2020
Weather Conditions: Overcast

INSPECTION FINDINGS

3865 Building SSDS VENT FAN & GENERAL LOCATION 6/22/2020	FAN OPERATING PROPERLY (YES/NO) and MANOMETER READING (H_2O"):	PIPING and LABELLING IN GOOD CONDITION (YES/NO)	COMMENTS AND/OR ACTIONS TAKEN
Fan Located in Women's Restroom, behind wall panel.	Yes. U-tube manometer reading 2.6 H_2O"	YES	System Running. No actions taken.
3875 Building SSDS VENT FAN & GENERAL LOCATION 7/10/2020	FAN OPERATING PROPERLY (YES/NO) and MANOMETER READING (H_2O"):	PIPING and LABELLING IN GOOD CONDITION (YES/NO)	COMMENTS AND/OR ACTIONS TAKEN
Customer Reception Area	-0.072 H2O", -1.126 H2O" & -- 0.675 H2O"	YES	System running. No actions taken.
Western Portion of Service Area	Fan and alarm located here -0.799 H2O", -0.764 H2O" & -- 0.588 H2O"	YES	System running. No actions taken.
Eastern Portion Service Area	-0.662 H2O" & --0.661 H2O"	YES	System running. No actions taken.
GENERAL SITE CONDITIONS 7/10/2020	CURRENT USE OF SITE (COMMERCIAL/ RESIDENTIAL/ETC.)	SITE RECORDS UP TO DATE (YES/NO)	COMMENTS AND/OR ACTIONS TAKEN
Everything appears to be in good condition.	Commercial automobile sales and service.	YES	No action taken.

LaBella
Powered by partnership.

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

SITE-WIDE INSPECTION FORM

Project Name: NYSDEC BCP Site No. C828134
Location: 3865 & 3875 West Henrietta Road, Rochester, New York
Project No.: 209395
Inspected By: E. Spirito
Date of Inspection: 5/28/2021
Weather Conditions: Rain

INSPECTION FINDINGS

3865 Building SSDS VENT FAN & GENERAL LOCATION 5/28/2021	FAN OPERATING PROPERLY (YES/NO) and MANOMETER READING (H_2O"):	PIPING and LABELLING IN GOOD CONDITION (YES/NO)	COMMENTS AND/OR ACTIONS TAKEN
Fan Located in Women's Restroom, behind wall panel.	Yes. U-tube manometer reading 2.7 H_2O"	YES	System Running. No actions taken.
3875 Building SSDS VENT FAN & GENERAL LOCATION 7/10/2020	**FAN OPERATING PROPERLY (YES/NO) and MANOMETER READING (H_2O"):**	**PIPING and LABELLING IN GOOD CONDITION (YES/NO)**	**COMMENTS AND/OR ACTIONS TAKEN**
Customer Reception Area	-1.525 H2O", -0.838 H2O" & --0.370 H2O"	YES	System running. No actions taken.
Eastern Portion of Service Area	Fan and alarm located here -0.446 H2O", -0.351 H2O" & --0.052 H2O"	YES	System running. No actions taken.
Western Portion Service Area	-0.134 H2O" & --0.1010 H2O"	YES	System running. No actions taken.
GENERAL SITE CONDITIONS 7/10/2020	**CURRENT USE OF SITE (COMMERCIAL/ RESIDENTIAL/ETC.)**	**SITE RECORDS UP TO DATE (YES/NO)**	**COMMENTS AND/OR ACTIONS TAKEN**
Everything appears to be in good condition.	Commercial automobile sales and service.	YES	No action taken.

LaBella
Powered by partnership.

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

SITE-WIDE INSPECTION FORM

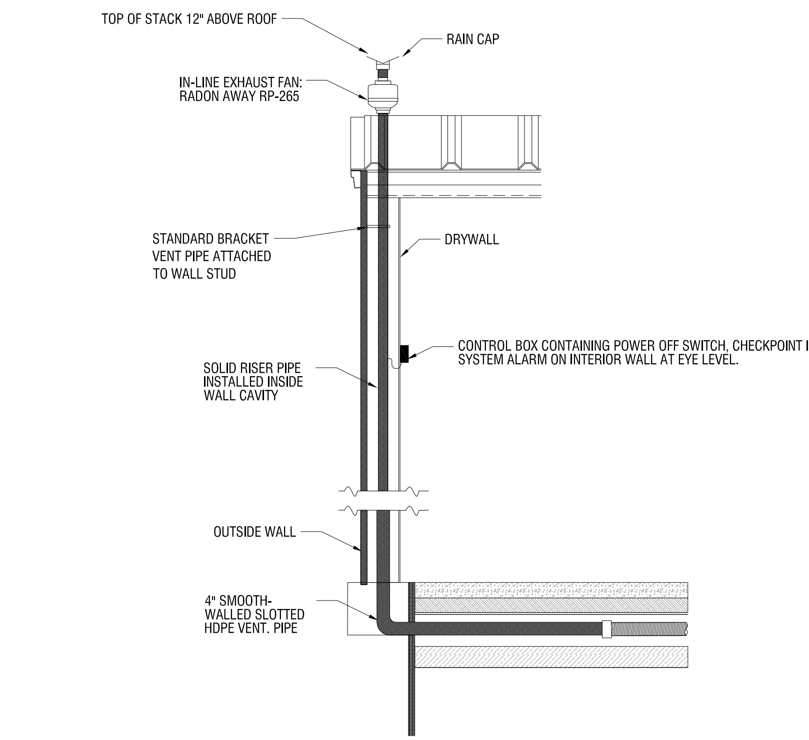
Project Name: NYSDEC BCP Site No. C828134
Location: 3865 & 3875 West Henrietta Road, Rochester, New York
Project No.: 2223592
Inspected By: AGB
Date of Inspection: 8/8/2022
Weather Conditions: 86°F, partly cloudy

INSPECTION FINDINGS

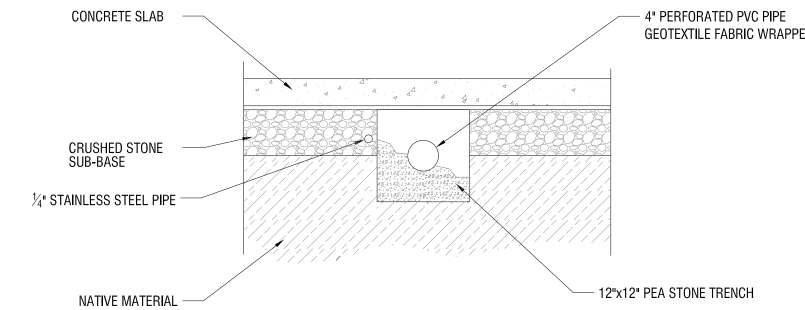
3865 Building SSDS VENT FAN & GENERAL LOCATION 5/28/2021	FAN OPERATING PROPERLY (YES/NO) and MANOMETER READING (H_2O"):	PIPING and LABELLING IN GOOD CONDITION (YES/NO)	COMMENTS AND/OR ACTIONS TAKEN
Fan Located in Women's Restroom, behind wall panel.	Yes. U-tube manometer reading 2.6 H_2O"	YES	System Running. No actions taken.
3875 Building SSDS VENT FAN & GENERAL LOCATION 7/10/2020	**FAN OPERATING PROPERLY (YES/NO) and MANOMETER READING (H_2O"):**	**PIPING and LABELLING IN GOOD CONDITION (YES/NO)**	**COMMENTS AND/OR ACTIONS TAKEN**
Customer Reception Area	-0.613 H20", -0.580 H20" & -0.124 H20"	YES	System running. No actions taken.
Eastern Portion of Service Area	Fan and alarm located here -0.202 H20", -0.172 H20" & -0.009 H20"	YES	System running. No actions taken.
Western Portion Service Area	-0.064 H20" & -0.063 H20"	YES	System running. No actions taken.
GENERAL SITE CONDITIONS 7/10/2020	**CURRENT USE OF SITE (COMMERCIAL/ RESIDENTIAL/ETC.)**	**SITE RECORDS UP TO DATE (YES/NO)**	**COMMENTS AND/OR ACTIONS TAKEN**
Everything appears to be in good condition.	Commercial automobile sales and service.	YES	No action taken.

APPENDIX D

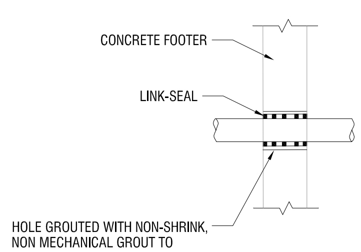
SSDS As-Built Drawings



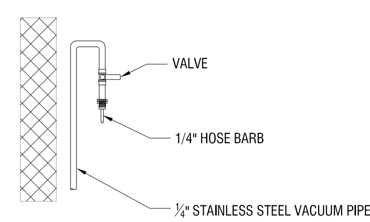
REAR ENDWALL



MATERIAL PROFILE



PROFILE AT PENETRATION



PROFILE AT GAUGE POINT

NOTES:

1. PERFORATED CAP INSTALLED AT EACH VAPOR COLLECTION PIPE TERMINATION.
2. HEADER PIPE SLOPED UP 1/4-INCH PER FOOT FROM CONNECTION WITH VAPOR COLLECTION PIPING.
3. ALL SUB-SLAB VAPOR COLLECTION PIPING IS GEOTEXTILE-WRAPPED 4-INCH PERFORATED DUAL-WALLED CORRUGATED EXTERIOR SMOOTH INTERIOR HDPE.
4. HEADER PIPING SHOWN IS 4-INCH SCHEDULE 40 PVC.
5. PROFILE SEQUENCE MAY VARY BASED ON SPECIFIC LOCATIONS.
6. PEA STONE CONSISTS OF MATERIAL THAT WILL PASS THROUGH A 2-INCH SIEVE AND BE RETAINED BY A 1/4-INCH SIEVE.
7. ALL PENETRATIONS AND GAPS SEALED WITH AN ELASTOMERIC JOINT SEALANT.
8. RISER PIPING INSIDE WALL CAVITIES TO HAVE PRESSURE GAUGES AND ALARMS MOUNTED ON INTERIOR WALL IN A VISIBLE LOCATION.
9. RADONAWAY EASY READ DYNAMETER U-TUBE MANOMETER MONITOR INSTALLED ON VACUUM SIDE OF FAN FOR PRESSURE GAUGE. RADONAWAY CHECKPOINT II AUDIBLE SYSTEM ALARM INSTALLED ON VACUUM SIDE OF FAN FOR ALARM. ALARM INSTALLED ON A SEPARATE CIRCUIT FROM THE FAN.
10. STAINLESS STEEL TUBING OPEN AT THE END WITH FILTER FABRIC OVER THE END AND FIXED WITH TAPE 6-INCHES FROM THE END.

NO.	REVISION	BY	DATE
-			
-			
-			
-			
-			
-			

LABELLA Associates, P.C.
300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585) 454-3066
www.labellapc.com

PROJECT/CLIENT
3875 West Henrietta Road
Henrietta, New York
RJ Dorschel Corp.

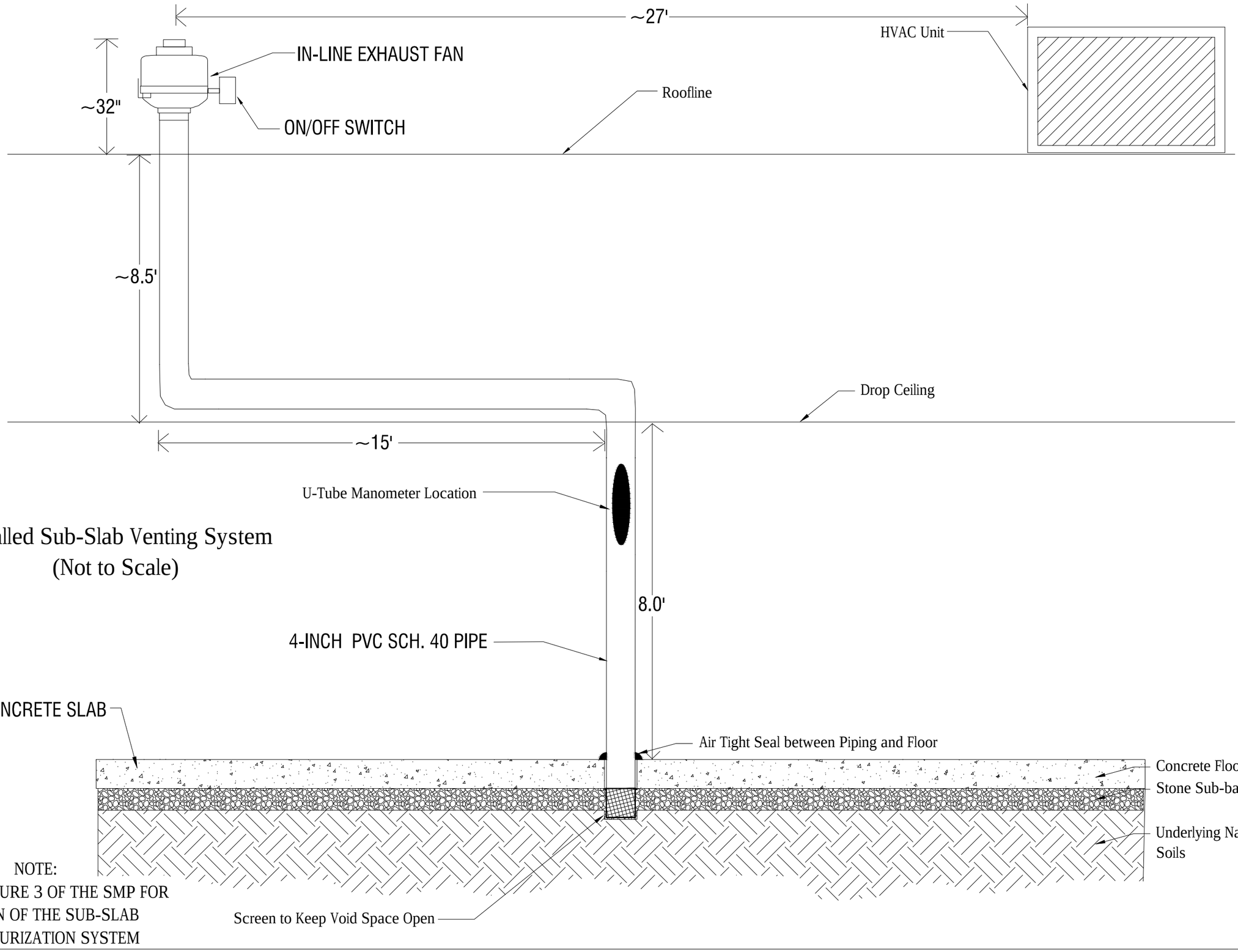
DRAWING TITLE
SUB-SLAB DEPRESSURIZATION SYSTEM AS-BUILT

ISSUED FOR: AS-BUILT
DATE: AUGUST 2018
SCALE: NO SCALE
DRAWN BY: HMS/RCN
REVIEWED BY: DPN
REVIEWED BY: ###

PROJECT/DRAWING NUMBER
209395

FIG 2

J:\RJ Dorschel Corp\209395 - 3865 3875 W Henrietta Rd Rem Act\Drawings\2017\FIG 2.dwg



Installed Sub-Slab Venting System
(Not to Scale)

NOTE:
REFER TO FIGURE 3 OF THE SMP FOR LOCATION OF THE SUB-SLAB DEPRESSURIZATION SYSTEM

STATE OF NEW YORK
DANIEL P. ROLL
No. 081978
LICENSED PROFESSIONAL ENGINEER

LABELLA Associates, P.C.
300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585) 454-3066
www.labellapc.com

PROJECT/CLIENT
BROWNFIELD CLEANUP PROGRAM
SITE MANAGEMENT PLAN
BCP Site # C828134

3865 WEST HENRIETTA RD
ROCHESTER, NY 14623

DRAWING TITLE
SUBSLAB DEPRESSURIZATOIN DETAILS

ISSUED FOR
AS-BUILT

AUGUST 2018

DESIGNED BY: EPD
DRAWN BY: EPD
REVIEWED BY: DPN

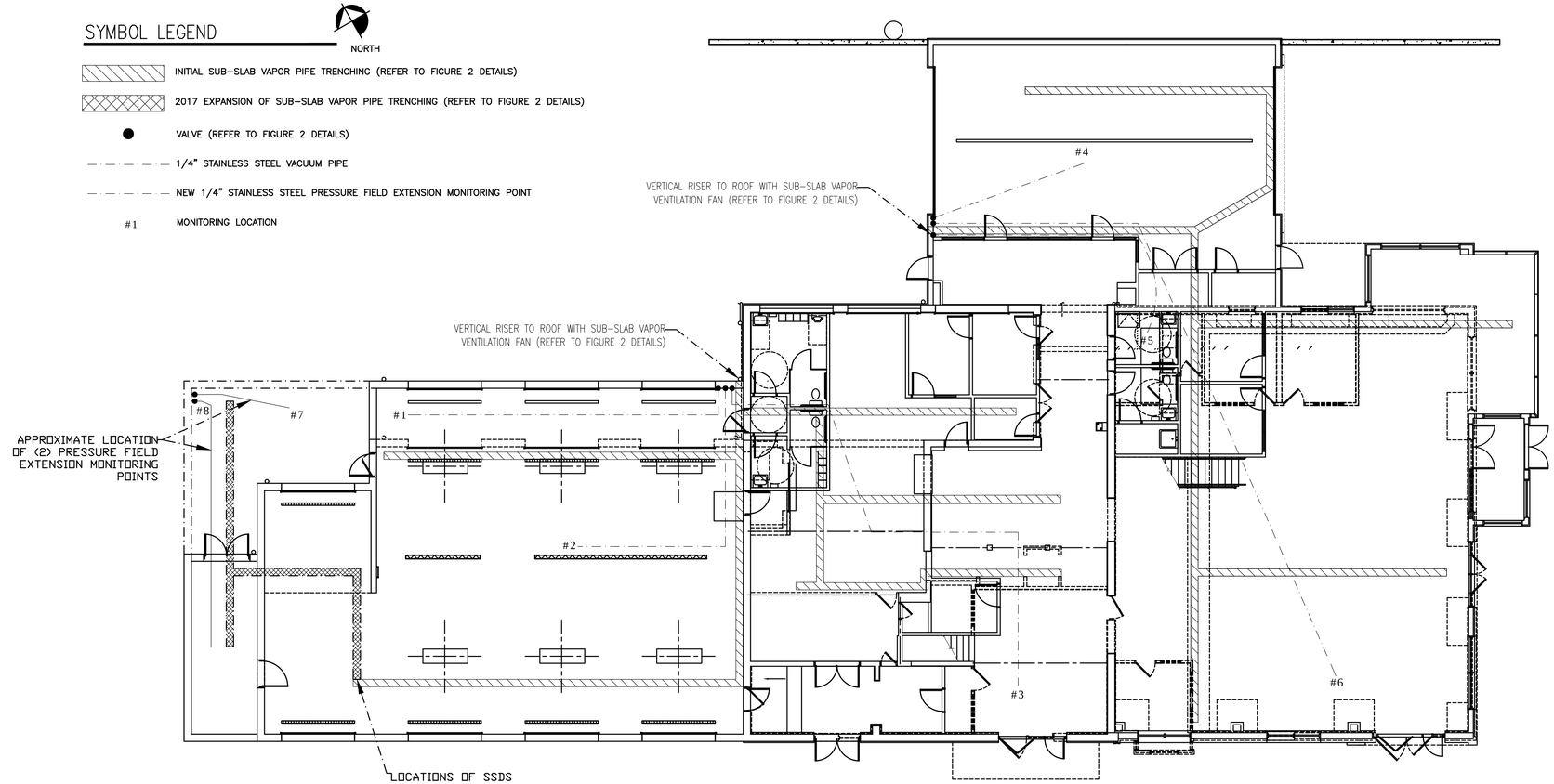
PROJECT/DRAWING NUMBER
209395

FIGURE 9

SYMBOL LEGEND

NORTH

- INITIAL SUB-SLAB VAPOR PIPE TRENCHING (REFER TO FIGURE 2 DETAILS)
- 2017 EXPANSION OF SUB-SLAB VAPOR PIPE TRENCHING (REFER TO FIGURE 2 DETAILS)
- VALVE (REFER TO FIGURE 2 DETAILS)
- 1/4" STAINLESS STEEL VACUUM PIPE
- NEW 1/4" STAINLESS STEEL PRESSURE FIELD EXTENSION MONITORING POINT
- #1 MONITORING LOCATION



NOTE:
BASE DRAWING ADAPTED FROM TY LIN INTERNATIONAL DRAWING TITLED "SANITARY SEWER PLUMBING PLAN" DATED NOVEMBER 8, 2011.

J:\RJ Dorschel Corp\8395\Drawings\PRR 2012\FIG.2013.03.07.SSDSplan.dgn

NO.	REVISION	BY	DATE
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:
:	:	:	:

STATE OF NEW YORK
DANIEL P. HOLL
No. 091558
LICENSED PROFESSIONAL ENGINEER

LABELLA Associates, P.C.
300 STATE STREET
ROCHESTER, NY 14614
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PROJECT/CLIENT
3875 West Henrietta Road
Henrietta, New York
RJ Dorschel Corp.

DRAWING TITLE
AS-BUILT SUB-SLAB
DEPRESSURIZATION SYSTEM

ISSUED FOR: AS-BUILT
DATE: AUGUST 2018

SCALE:	1:50
DRAWN BY:	HMS/RCN
REVIEWED BY:	DPN
REVIEWED BY:	# # #

PROJECT/DRAWING NUMBER
209395

FIG 1

APPENDIX E

Institutional Controls/Engineering Controls Certification Form

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C828134

Site Name Former Steve Joy's Sunoco

Site Address: 3865 West Henrietta Road Zip Code: 14623
City/Town: Rochester
County: Monroe
Site Acreage: 2.500

Reporting Period: August 7, 2019 to June 17, 2021

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs/ECs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C828134

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
161.15-1-20.1	R.J. Dorschel Corp.	Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan Ground Water Use Restriction

The property may only be used for commercial or industrial use, provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

- The property may not be used for a higher level of use (e.g., unrestricted, residential,etc.) use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- The existing sub-slab depressurization system at the 3865 West Henrietta Road property will be monitored and maintained in accordane with the SMP;
- The existing biocell will be monitored and maintained in accordance with the SMP;
- The use of the groundwater underlying the property is prohibited without treatment restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH;
- Prior to occupancy of any newly constructed buildings at this site a soil vapor intrusion evaluation will be performed in accordance with the State's most recent guidance on evaluation soil vapor intrusion. Alternatively, a SSDS can be designed and installed/started prior to occupancy of any newly constructed building. The SSDS will be designed and installed in accordance with the State's most recent guidance on evaluating soil vaor intrusion and will require approval by NYSDEC and NYSDOH prior to installation;
- Vegetable gardens and farming on the Site are prohibited; and
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access the Site at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

161.19-1-9	R.J. Dorschel Corp.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

The property may only be used for commercial or industrial use, provided that the long-term Engineering and Institutional Controls included in this SMP are employed.

- The property may not be used for a higher level of use (e.g., unrestricted, residential,etc.) use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- The existing biocell will be monitored and maintained in accordance with the SMP;
- The use of the groundwater underlying the property is prohibited without treatment restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH;
- Prior to occupancy of any newly constructed buildings at this site a soil vapor intrusion evaluation will be performed in accordance with the State's most recent guidance on evaluation soil vapor intrusion. Alternatively, a SSDS can be designed and installed/started prior to occupancy of any newly constructed building. The SSDS will be designed and installed in

accordance with the State's most recent guidance on evaluating soil vaor intrusion and will require approval by NYSDEC and NYSDOH prior to installation;

• A SSDS will be designed and installed/started prior to occupancy of the existing 3875 West Henrietta Road building. The SSDS will be designed and installed in accordance with the State's most recent guidance on evaluating soil vaor intrusion and will require approval by NYSDEC and NYSDOH prior to installation;

• Vegetable gardens and farming on the Site are prohibited; and

• The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access the Site at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
161.15-1-20.1	Vapor Mitigation
161.19-1-9	Vapor Mitigation

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C828134

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Richard J Dorschel (print name) at 3817 W Henrietta Rd Rochester NY 14623 (print business address),

am certifying as Owner's Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

RJ Dorschel President RJ Dorschel Corp. 6/17/21

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date

IC/EC CERTIFICATIONS

Qualified Environmental Professional Signature **Box 7**

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I DANIEL P. NOLL (print name) at LABELLA ASSOCIATES, D.P.C. 300 STATE ST ROCHESTER NY (print business address),

am certifying as a Qualified Environmental Professional for the OWNER (Owner or Remedial Party)

STATE OF NEW YORK
DANIEL P. NOLL
No. 081996
LICENSED PROFESSIONAL ENGINEER

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

6/17/21
Date

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C828134**

Site Name Former Steve Joy's Sunoco

Site Address: 3865 West Henrietta Road Zip Code: 14623
City/Town: Rochester
County: Monroe
Site Acreage: 2.500

Reporting Period: ~~August 06, 2019 to August 06, 2022~~
June 18, 2021 to August 08, 2022

	YES	NO
1. Is the information above correct?	X	
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? The property was sold on June 21, 2021 from R.J. Dorschel Corp to Store Master Funding XVI, LLC	X	
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? The property was sold on June 21, 2021 from R.J. Dorschel Corp toStore Master Funding XVI, LLC	X	
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?		X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	
7. Are all ICs in place and functioning as designed?	X	

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

	Box 2A	
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C828134 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
161.15-1-20.1	Store Master Funding LLC	Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan Ground Water Use Restriction

The property may only be used for commercial or industrial use, provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
• The property may not be used for a higher level of use (e.g., unrestricted, residential,etc.) use without additional remediation and amendment of the Environmental
Easement, as approved by the NYSDEC;
• All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
• The existing sub-slab depressurization system at the 3865 West Henrietta Road property will be monitored and maintained in accordane with the SMP;
• The existing biocell will be monitored and maintained in accordance with the SMP;
• The use of the groundwater underlying the property is prohibited without treatment restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH;
• Prior to occupancy of any newly constructed buildings at this site a soil vapor intrusion evaluation will be performed in accordance with the State's most recent
guidance on evaluation soil vapor intrusion. Alternatively, a SSDS can be designed and installed/started prior to occupancy of any newly constructed building. The SSDS will be designed and installed in accordance with the State's most recent
guidance on evaluating soil vaor intrusion and will require approval by NYSDEC and NYSDOH prior to installation;
• Vegetable gardens and farming on the Site are prohibited; and
• The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled
Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs
the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access the
Site at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time
that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

161.19-1-9	Store Master Funding LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

The property may only be used for commercial or industrial use, provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
• The property may not be used for a higher level of use (e.g., unrestricted, residential,etc.) use without additional remediation and amendment of the Environmental
Easement, as approved by the NYSDEC;
• All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
• The existing biocell will be monitored and maintained in accordance with the SMP;
• The use of the groundwater underlying the property is prohibited without treatment restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH;
• Prior to occupancy of any newly constructed buildings at this site a soil vapor intrusion evaluation will be performed in accordance with the State's most recent
guidance on evaluation soil vapor intrusion. Alternatively, a SSDS can be designed and installed/started prior to occupancy of any newly constructed building. The SSDS will be designed and installed in

accordance with the State's most recent guidance on evaluating soil vaor intrusion and will require approval by NYSDEC and NYSDOH prior to installation;

• A SSDS will be designed and installed/started prior to occupancy of the existing 3875 West Henrietta Road building. The SSDS will be designed and installed in accordance with the State's most recent guidance on evaluating soil vaor intrusion and will require approval by NYSDEC and NYSDOH prior to installation;

• Vegetable gardens and farming on the Site are prohibited; and

• The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access the Site at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
161.15-1-20.1	Vapor Mitigation
161.19-1-9	Vapor Mitigation

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C828134

Box 6

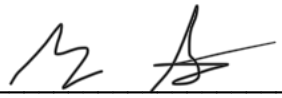
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Greg Stahl (print name) at 3865 West Henrietta Rd (print business address),

am certifying as Member (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.



Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

9/5/22
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I DAN NOLL (print name) at LABELLA ASSOCIATES 300 STATE ST ROCHESTER (print business address),

am certifying as a Qualified Environmental Professional for the OWNER (Owner or Remedial Party)

STATE OF NEW YORK
DANIEL P. NOLL
No. 081996
LICENSED PROFESSIONAL ENGINEER

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

9/5/2022
Date

APPENDIX F

MW-7 Closure Log and MW-7R Installation Log

LaBella
Powered by partnership.

DATE: 6/7/2021

PROJECT NAME: Former Steve Jay's Service, BCP#828154

DAY OF WEEK: S (M) T W T F S

PROJECT NO.: 209395

SHEET NO. 1 OF 1

LOCATION: 3865 W Henrietta Rd, Henrietta, NY

CLIENT: Porsche

	AM	PM
WEATHER	Clear ~~Clear~~	
TEMPERATURE	~70°F	

DESCRIPTION OF WORK PERFORMED AND INSPECTED
(SCOPE, NATURE OF WORK, PROBLEMS, DISCUSSIONS, MEASUREMENTS, CONTRACTORS, HOURS, ITEMS)

0900 - Michael F. Rybchuk (MFR) w/ LaBella Associates arrives on site to observe the decommissioning of well MW-7 and installation of well MW-7R. McPeak on-site w/ LaBella LLC to complete the closure + installation.

- well MW-7R is installed to a depth of 12 ft bgs w/ 5' of well screen, 7' of sand, and remaining annuals from ~0.5-5' bgs filled w/ bentonite. CAMP monitoring conducted during well installation as noted below. well installed w/ Geoprobe 6620 w/ no sal sampling, as such no IDW was generated.
- After MW-7R is installed (about 3' south of MW-7) well MW-7 is close by using hydraulic to drive rock through well (it is full of mud) and grout. well closure info recorded on CP-43 / Figure 3 log

1030 - MFR off site

TIME	DUST UPWIND	VOC UPWIND	DUST DOWNWIND	VOC DOWNWIND	VOC work space
0930	0.062	0	0.064	0	0
0945	0.059	0	0.071	0	0
1000	0.054	0	0.068	0	0

INSPECTOR'S SIGNATURE Michael F. Rybchuk DATE 6/7/2021

ATTACHMENTS YES / (NO)

FIGURE 3

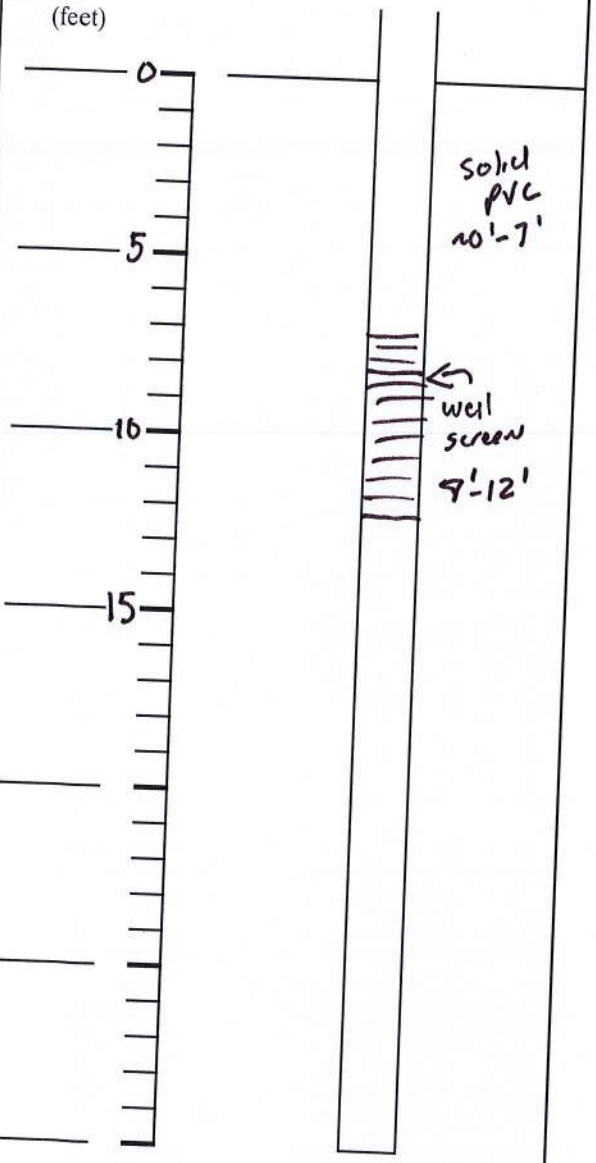
WELL DECOMMISSIONING RECORD

Site Name: Former Steve Suy's Sunoco, BCP C828154	Well I.D.: MW-7
Site Location: 3865 W. Henrietta Rd, Henrietta, NY	Driller: M. Pepe
Drilling Co.: LaBella PLLC	Inspector: M. Polychronis
	Date: 6/7/2021

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	NA
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	NA
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	Geoprobe
Number of perforations/foot	
Size of perforations	
Interval perforated	0'-12'
GROUTING	
Interval grouted (FBLS)	0'-12'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	~ 1
Quantity of cement used (lbs.)	~ 10
Cement type	Portland
Quantity of bentonite used (lbs.)	~ 1
Quantity of calcium chloride used (lbs.)	—
Volume of grout prepared (gal.)	~ 2
Volume of grout used (gal.)	~2

WELL SCHEMATIC*



COMMENTS:

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

MONITORING WELL INSTALLATION REPORT

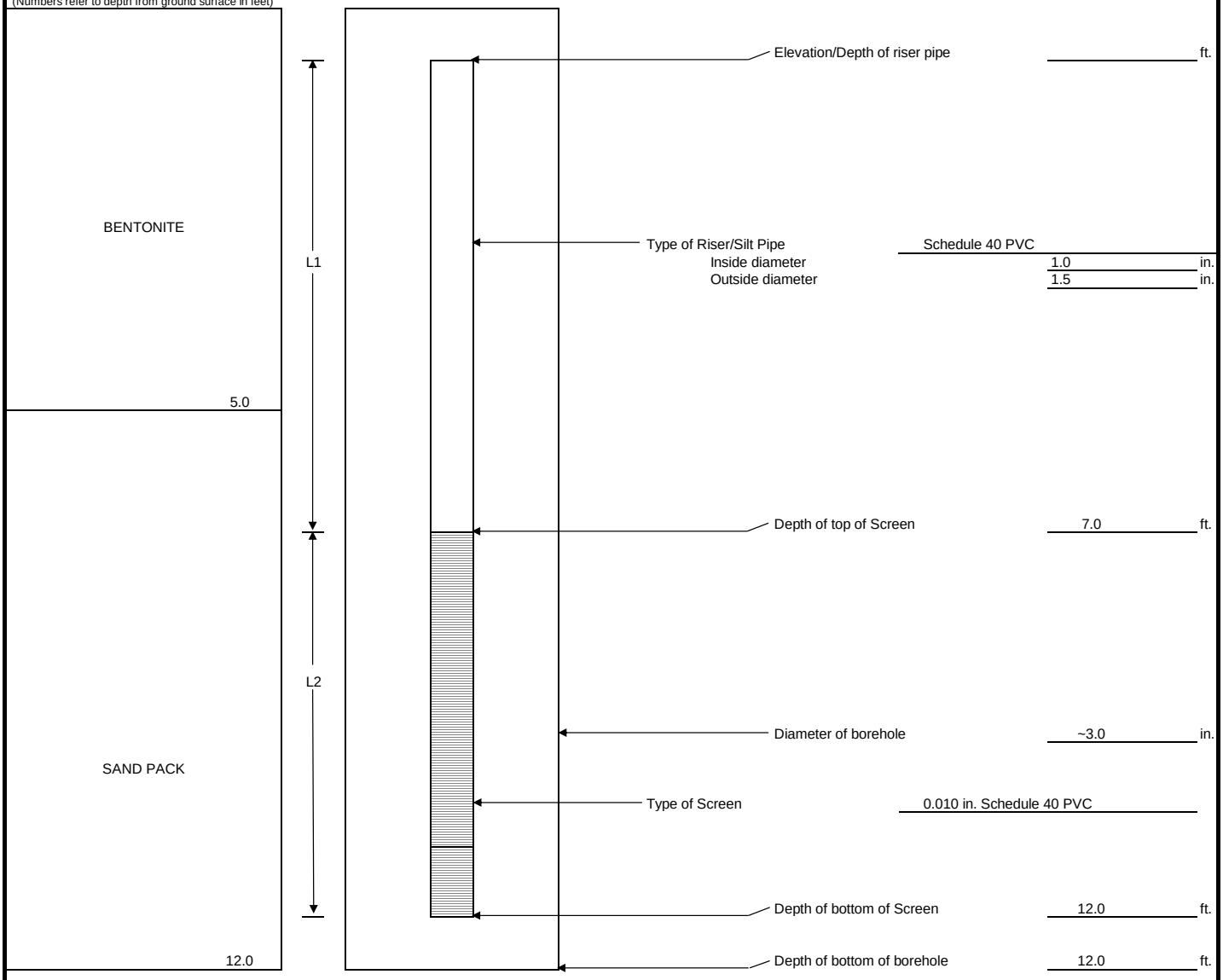
MONITORING WELL ID
MW-7R

Project:	Former Steve Joy's Sunoco	LaBella Project No.:	209395
Location:	3865 W Henrietta Rd, Henrietta, NY	LaBella Representative:	M. Pelychaty
Client:	RJ Dorschel	Date Installed:	6/7/2021
Contractor(s):	LaBella LLC	Time:	to
Driller:	M. Pepe	Type of Drill Rig:	Track Mounted Geoprobe 6620
Rock Coring Method:	Not Applicable	Auger size and type:	Not Applicable

Ground El.: Not Applicable | Location: SEE PLAN | Depth to bedrock: Not Applicable

BOREHOLE BACKFILL

(Numbers refer to depth from ground surface in feet)



6.7 ft.	+	5.0 ft.	=	11.7 ft.
Riser Length (L1)		Length of Screen (L2)		Total Lemgth

NOTES: