

Periodic Review Report: August 6, 2018 to August 6, 2019 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:

RJ Dorschel Corporation
3817 West Henrietta Road
Rochester, New York 14623

LaBella Project No. 219395

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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.

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, Pizza Hut Restaurant;
- 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 6, 2018 to August 6, 2019. 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	Sub-Slab Vapor	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 in July 2019. Monitoring wells MW-3R (replacement well) and MW-7 were sampled on July 2, 2019. The locations of these wells are shown on Figure 3.

Static water levels (SWLs) were collected during the July 2, 2019 groundwater sampling event. The groundwater samples were collected using a modified low-flow sampling procedure with a bladder pump.

During the sampling event, field measurements of water quality parameters were collected using a Horiba U-52-2 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 event, the required criteria were met prior to sample collection at MW-3R. In addition, the SWL in MW-3R was monitored during the sampling event to confirm that drawdown in the well was minimized.

Due to limited water volume in MW-7, MW-7 was purged “dry”, and the well was allowed to recharge and a groundwater sample was collected from after sufficient water recharged into the well. Water quality measurements were also collected in connection with the groundwater sample collected from MW-7. Groundwater sampling logs that include the in-field parameter measurements are included as Appendix A.

Pace Analytical of Mt. Juliet, Tennessee (ESC) analyzed the groundwater samples collected during the groundwater monitoring event. ESC is 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 United States Environmental Protection Agency (USEPA) Target Compound List (TCL) VOCs using USEPA Method 8260. A copy of the laboratory analytical report is provided in Appendix B.

3.2 Sub-Slab Depressurization System (SSDS) Monitoring

This section discusses the SSDS monitoring performed on July 28, 2018 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 2, 2019 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 2.5 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 form and photographs from the inspection are included in Appendix C.

3875 West Henrietta Road Building

The SSDS in the 3875 West Henrietta Road building was monitored on July 2 and 9, 2019 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, including the two (2) new monitoring points installed during construction of the recent addition to this building, 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 summarized in the following table.

Location	July 28, 2018 Monitoring Event	
	Valve 1 Measurement (inches of H ₂ O)	Valve 2 Measurement (inches of H ₂ O)
Customer Reception Area (referred to as “Northern Point” in 2017 PRR)	- 0.597	- 0.057
Service Area (referred to as “Southern Point” in 2017 PRR)	- 0.170	- 0.007
2017 Building Addition	- 0.072	- 0.065

- 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

No deviations were encountered during this monitoring period.

4.0 SUMMARY OF GROUNDWATER MONITORING

4.1 Groundwater Flow Direction

Although static water level measurements were collected during the June 2018 groundwater monitoring event, this sampling event included only 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 July 2019 and included two (2) existing groundwater monitoring wells (3865 Parcel: MW-7 and 3875 Parcel: MW-3R), as shown on Figure 3.

The results of the groundwater monitoring are summarized in Table 1 (VOCs) and are compared to the NYSDEC Part 703 groundwater standards. As summarized in the attached Table 1 and the following table, VOCs were reported above NYSDEC Part 703 groundwater standards in the groundwater samples collected during the July 2019 groundwater monitoring event.

Well ID	Site Parcel	VOC(s) above Part 703 Groundwater Standards
MW-7	3865 Parcel	Benzene; Ethylbenzene; sec-Butylbenzene; n-Propylbenzene; Isopropylbenzene; n-Butylbenzene; Naphthalene; Toluene; 1,2,4-Trimethylbenzene; 1,3,5-Trimethylbenzene; and Xylenes
MW-3R	3875 Parcel	Chlorobenzene

5.0 SITE EVALUATION

The annual monitoring work conducted from August 6, 2018 to August 6, 2019 was completed in accordance with the SMP, with any exceptions noted in Section 3.3.

Groundwater Monitoring

Most of the previously existing groundwater monitoring wells at the Site have been destroyed or paved over during the redevelopment activities at the Site.



The analytical results from the July 2019 groundwater sampling event indicate that VOC concentrations appear relatively stable in samples collected from MW-7 and MW-3R, as shown in the graphs included in Appendix E. Although an overall slightly increasing trend in the data from both wells may be extrapolated, recent concentrations of Total VOC concentrations in groundwater are consistent with historic levels. In addition, with regard to MW-3R, the reported VOC concentrations are relatively low and only Chlorobenzene exceeds the Part 703 Groundwater Standard.

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 2020.

6.0 INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION

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



TABLES

Table 1

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	April 2014	May 2015	October 2015	June 2016	June 2017	June 2018	July 2019	
Petroleum-Related Volatile Organic Compounds													
Benzene	ND<5.0	2.3 J	2.8 J	3.1 J	31.7	ND<0.7	ND<50	ND<1.00	ND<1.00	ND<1.00	ND<1.00	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<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	5
sec-Butylbenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<2.0	ND<1.0	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<2.0	ND<1.0	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<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	5
p-Isopropyltoluene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	5
n-Butylbenzene						ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	5
Napthalene	ND<5.0	1.4 BJ	ND<5.0	ND<5.0	ND<1.0	ND<5.0	ND<5.0	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<2.0	ND<5.0	ND<5.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	5
1,2,4-Trimethylbenzene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND<2.0	1.3	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<2.0	ND<1.0	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<2.0	2.1	ND<2.00	ND<2.00	ND<2.00	ND<2.00	ND<2.00	5
o-Xylene	ND<5.0	ND<5.0	ND<5.0	ND<5.0	3.9	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	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	2.97	2.5	1.56	2.25 J	1.35	1.38	1.24	10
Solvent-Related Volatile Organic Compounds													
Acetone	ND<5.0	42	Not Tested	ND<5.0	ND<10.0	ND<10.0	ND<50	ND <50.0	ND <50.0	ND <50.0	ND <50.0	ND <50.0	50
2-Butanone	ND<5.0	8.1		ND<5.0	ND<10.0	ND<10.0	ND<10	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<10.0	ND<1.0	ND<1.00	ND<1.00 R	ND<1.00	ND<1.00	ND<1.00	5
Chlorobenzene	11 J	3.9 J		9.1	ND<1.0	67.3	120	106	103 J	130	118	109	5
Dichlorodifluorormethane	---	---		---	ND<2.0	ND<2.0	ND<5.0	ND<5.00	ND<5.00	ND<5.00 JO	ND<5.00	ND<5.00	5
1,2-Dichlorobenzene	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
1,4-Dichlorobenzene	ND	ND		ND	ND	ND	ND	ND	ND	ND	1.34 U	ND<1.00	3
cis-1,2-Dichloroethene	1 J	ND<5.0		4.4 J	ND<1.0	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	5
1,1-Dichloroethane	1 J	ND<5.0		ND<5.0	1.2	ND<2.0	1.2	ND<1.00	1.24 J	ND<1.00	ND<1.00	ND<1.00	5
Methylcyclohexane	ND<5.0	ND<5.0		ND<5.0	Not Tested	ND<2.0	ND<1.0	ND<1.00	ND<1.00 R	ND<1.00	ND<1.00	ND<1.00	5
Methylene Chloride	ND<5.0	ND<5.0		ND<5.0	ND<2.0	ND<5.0	ND<5.0	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<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	5
Vinyl Chloride	3 J	ND<5.0		6.3	1.8	ND<2.0	ND<1.0	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	2
Total VOCs	18	57.7	2.8 J	24.1 J	86.4	71.67	129.8	109.98	108.90	134.15	122.10	113.08	Not Available
Total VOC TICs	ND	ND	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	
Total VOCs and VOC TICs	18	57.7	2.8	24.1	86.4	71.7	129.8	109.98	108.9	134.15	122.1	113.08	

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 ca
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 1

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

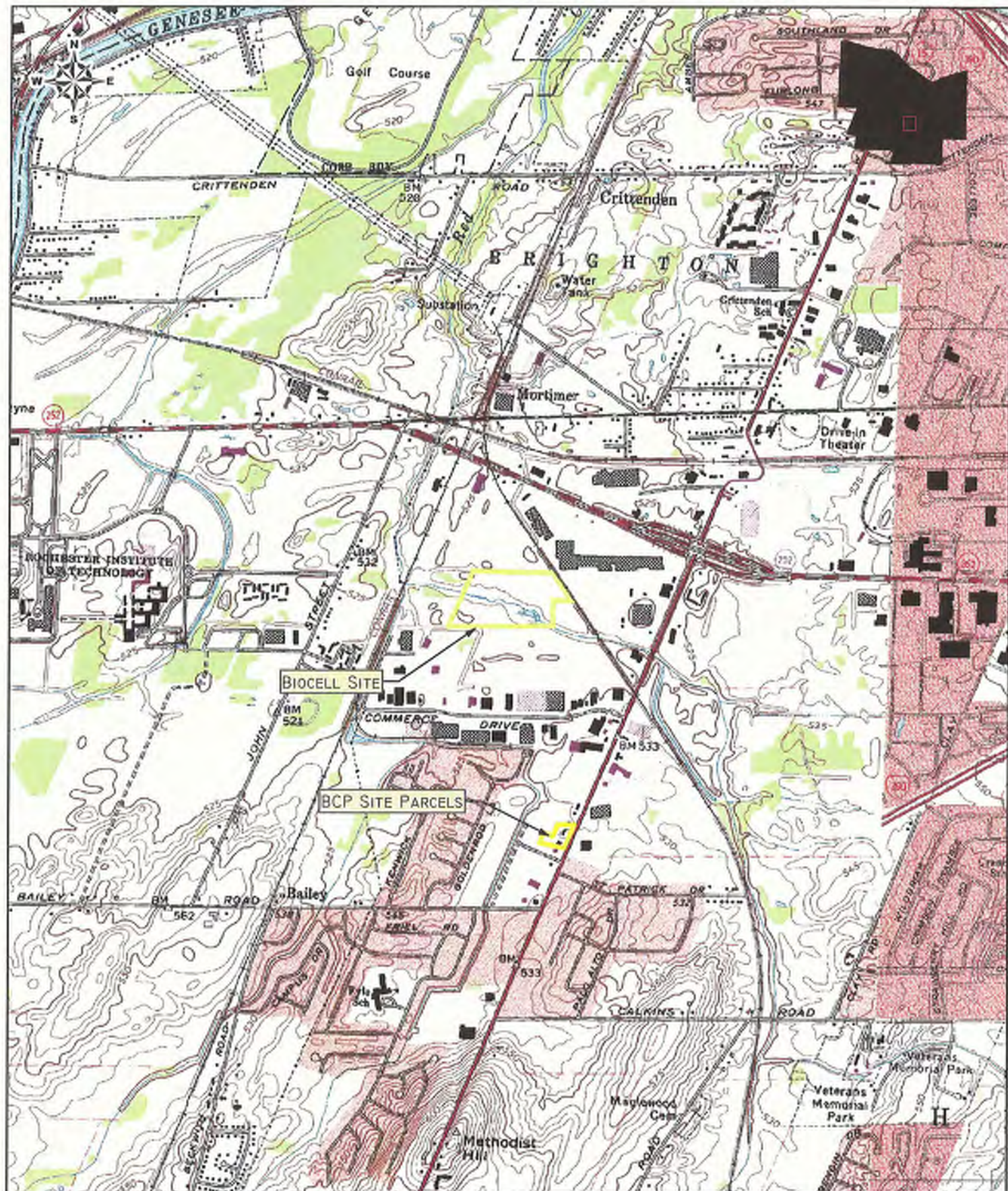
Summary of Detected Volatile Organic Compounds (VOCs) in Groundwater
Test Results in Micrograms per Liter (µg/L) or Parts Per Billion (ppb)

Constituent	3865 Parcel														NYSDEC Part 703: Groundwater Standard
	MW-7														
	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	
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	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	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	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	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	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	5
n-Butylbenzene						ND<100	32	28.8 J	12	11.0	4.16	ND<10.0	5.62 J	ND<20.0	5
Naphthalene	ND <50	1,100 E	240 BE	330 DJ	ND<5.0	419	480	478	600	423	620	642	699	329	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	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	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	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	5
o-Xylene	ND <50	760 E	450 E	690 D	ND<5.0	502	35	363	230	143	332	319	324	66.6	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	10
Solvent-Related Volatile Organic Compounds															
Acetone	40 J	ND<5	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	ND<200	140	ND <50.0	ND <50.0	ND <500	ND <50.0	Not Tested	50
2-Butanone	ND<50	ND<5						ND<200	ND<10	ND <10.0	ND <10.0	ND <100	ND <10.0		50
Cyclohexane	140	ND<5						190 J	100	113	82.3 R	79.5	91.0 J		5
Chlorobenzene	ND<50	ND<5						ND<40.0	ND<1.0	ND<1.00	ND<1.00	ND<10.0	ND<1.00		5
Dichlorodifluorormethane	---	---						ND<40.0	ND<5.0	ND<5.00	ND<5.00	ND<50.0	ND<5.00		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		3
1,4-Dichlorobenzene								ND	ND	ND	ND	ND	ND<1.00		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		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		5
Methylcyclohexane	59	ND<5						63.2	120	ND<20 U	37.6 R	44.8 U	55.6 J		5
Methylene Chloride	ND<36	ND<5						ND<100	ND<5.0	ND<5.00	ND<5.00	ND<50.0	ND<5.00		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		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		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	Not Available
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	
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	

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.
DJ 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



IMPACT OF POLYMERIZATION

209395

FIGURE 1

SITE LOCATION MAP

1:24.000

REVISED	DATE: 03/08/08	BY: [Signature]
---------	----------------	-----------------

SITE MANAGEMENT PLAN

BCP SITE #C8281324
3865 & 3875 WEST HENRIETTA RD
ROCHESTER, NY 14623

ABELLA
Associates, P.C.

300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585) 454-3066
www.laserapp.com
COPING WITH LOSS

CURRENTLY OR FORMERLY
LINLEIGH REALTY, L.P.
3883 WEST HENRIETTA RD
161.19-1-8.1

CURRENTLY OR FORMERLY
C.V. ASSOCIATES
3861 WEST HENRIETTA RD
161.15-1-22

CURRENTLY OR FORMERLY
R.J. DORSCHER, CORP.
3865 WEST HENRIETTA RD
161.15-1-20.1

CURRENTLY OR FORMERLY
R.J. DORSCHER, CORP.
3875 WEST HENRIETTA RD
161.19-1-9

CURRENTLY OR FORMERLY
LINLEIGH REALTY, L.P.
WEST HENRIETTA RD
161.19-1-6

CURRENTLY OR FORMERLY
O'CONNOR, MARK A.
3850 WEST HENRIETTA RD
161.15-1-17

CURRENTLY OR FORMERLY
HYLAN ENTERPRISES, INC. &
WEST HENRIETTA RD
161.15-1-18.1

CURRENTLY OR FORMERLY
LEWIS, WILMA K
3870 WEST HENRIETTA RD
161.15-1-19

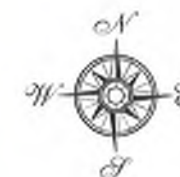
LABELLA
Associates, P.C.

200 E. 10TH ST.
ROCHESTER, NY 14604
P (716) 442-8800
F (716) 442-8801
WWW.LABELLA-PC.COM

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

R.J. Dorschel Corporation

Site Plan and Surrounding
Properties



[209395]

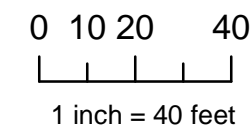
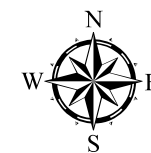
[FIGURE 2]



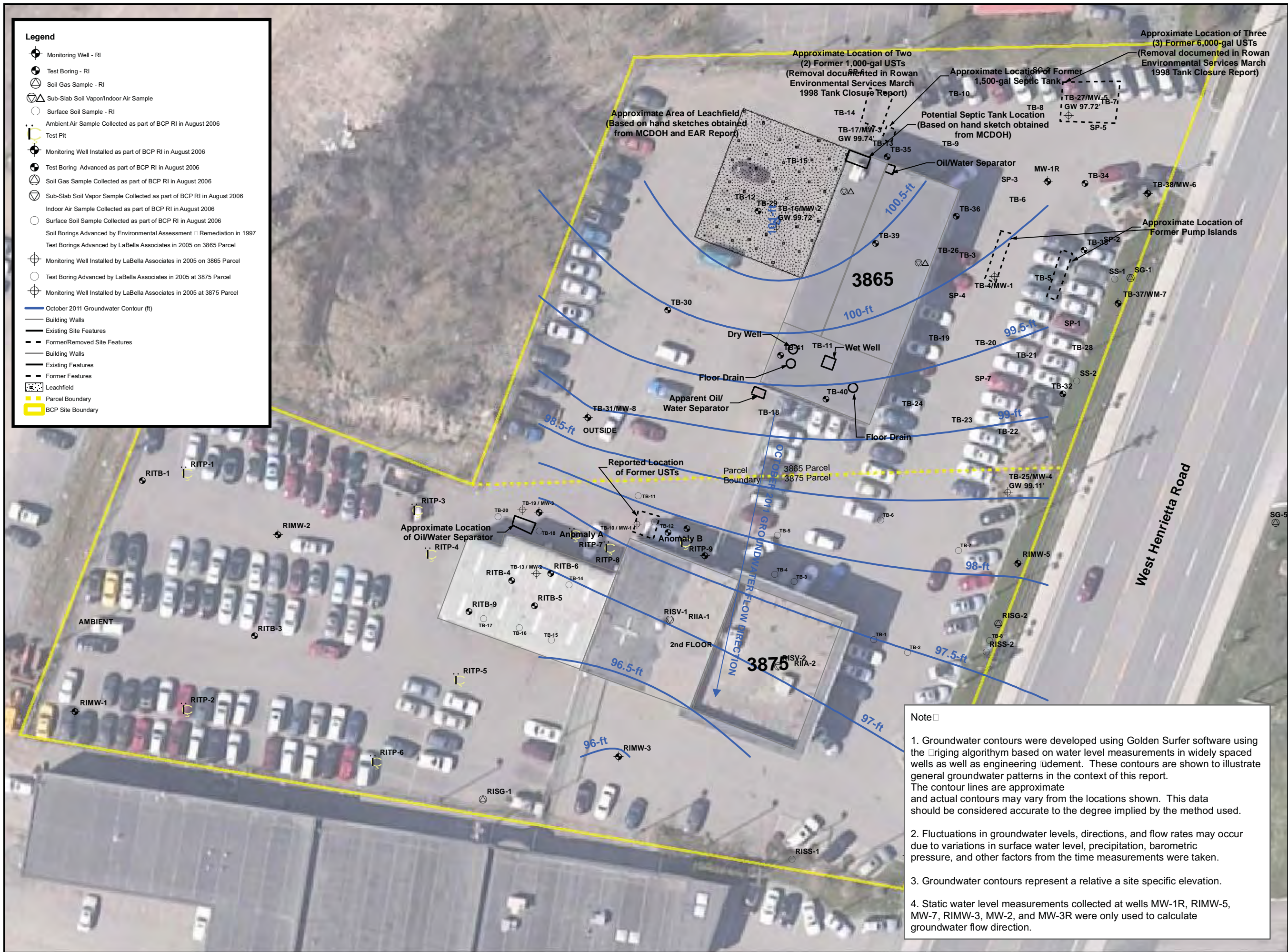
Periodic Review Report
NYSDEC BCP Site #C8281324
3865 & 3875 West Henrietta Rd
Henrietta, New York

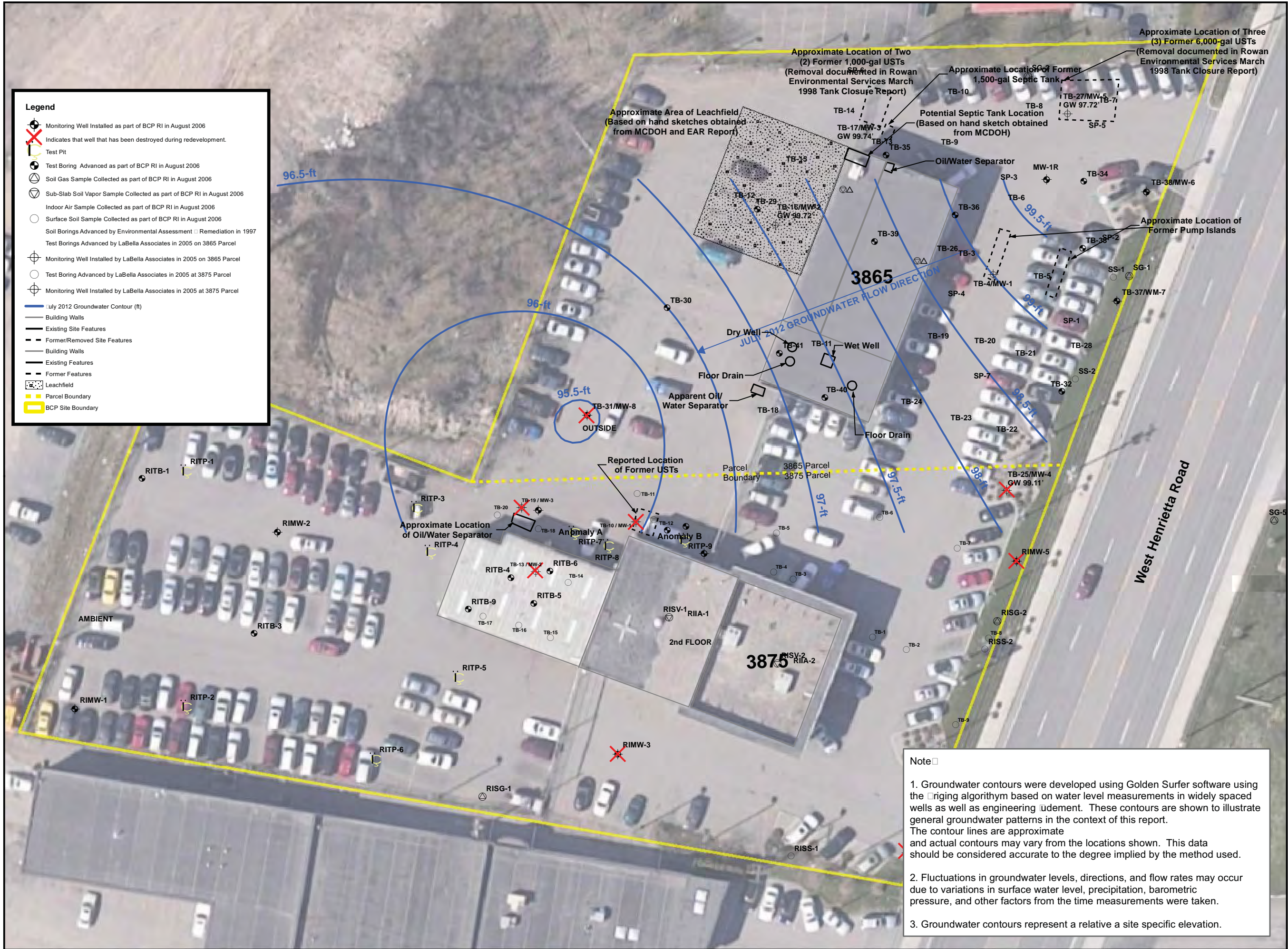
R.J. Dorschel Corporation

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



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

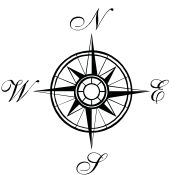




**Periodic Review Report
NYSDEC BCP Site #C8281324
3865 & 3875 West Henrietta Rd
Henrietta, New York**

R.J. Dorschel Corporation

**July 2012
Groundwater Contours
and Site Location Plan**



0 510 20
1 inch = 40 feet

209395
FIGURE 4B



APPENDIX A

Groundwater Sample Logs



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

Project Name: RJ Dorschel Groundwater Monitoring

Location: 3865 & 3875 West Henrietta Road

Project No.: 209395

Sampled By: Alexander daSilva

Date: 7/2/2019

WELL I.D.:

MW-3R

WELL SAMPLING INFORMATION

Well Diameter: 2-inch

Depth of Well: 15.18 feet

Measuring Point: Top of Casing (TOC)

Pump Type: Bladder Pump

Static Water Level: 2.3 feet Below Top of Casing (BTOC)

Length of Well Screen: 5 feet

Depth to Top of Pump: ±12 BTOC

Tubing Type: Poly

FIELD PARAMETER MEASUREMENT

Time	Pump Rate	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	Redox (mV)	Water Level	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV	(Feet below TOC)	
1305			6.47	26.3	5.635	76.5	3.23	-5.0	2.55	Yellowish tint to water
1310			6.37	24.5	5.538	62.4	2.22	3.4	2.63	
1315			6.29	23.6	5.495	48.4	1.00	14.5	2.73	
1320			6.28	23.5	5.492	45.2	0.69	16.5	2.82	
1325			6.28	23.5	5.490	43.0	0.52	17.2	2.92	
1330			6.28	23.6	5.493	42.3	0.47	17.3	2.95	
1335		0.25	6.28	23.7	5.516	37.0	0.40	17.0	2.98	
1340			6.29	23.9	5.530	32.3	0.35	18.2	3.01	
1345			6.29	23.9	5.536	28.7	0.32	18.3	3.02	
1350			6.29	23.8	5.546	26.1	0.29	18.3	3.05	
1355	0.5 gal / hour	0.5	6.29	23.8	5.553	23.3	0.28	18.3	3.06	Sample collected @ 1355

Total 0.5 Gallons Purged

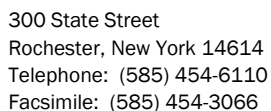
Purge Time Start: 1305

Purge Time End: 1355

Final Static Water Level: 3.06 '

OBSERVATIONS

- MS
- MSD
- DUPE (DUPE-070219)
- Missing part within bladder pump. Had to call eco rental. Was able to fix pump and make it work without the piece. Slowed time of sampling by an hour.



Date: 7/2/2019

MW-7

Well Diameter:	1-inch
Depth of Well:	7.5 feet
Measuring Point:	Top of Casing (TOC)
Pump Type:	Bladder Pump

Tubing Type: Poly

[illegible]

1 well		
Total	volume	Gallons Purged

Final Static Water Level: 4.65 '

OBSERVATIONS

--



APPENDIX B

Laboratory Analytical Report

July 11, 2019

LaBella Associates, P.C.

Sample Delivery Group: L1115659
Samples Received: 07/03/2019
Project Number: 209395
Description: NYSDEC BCP Site No. C828134 3865 & 3875 West Henrietta Rd.

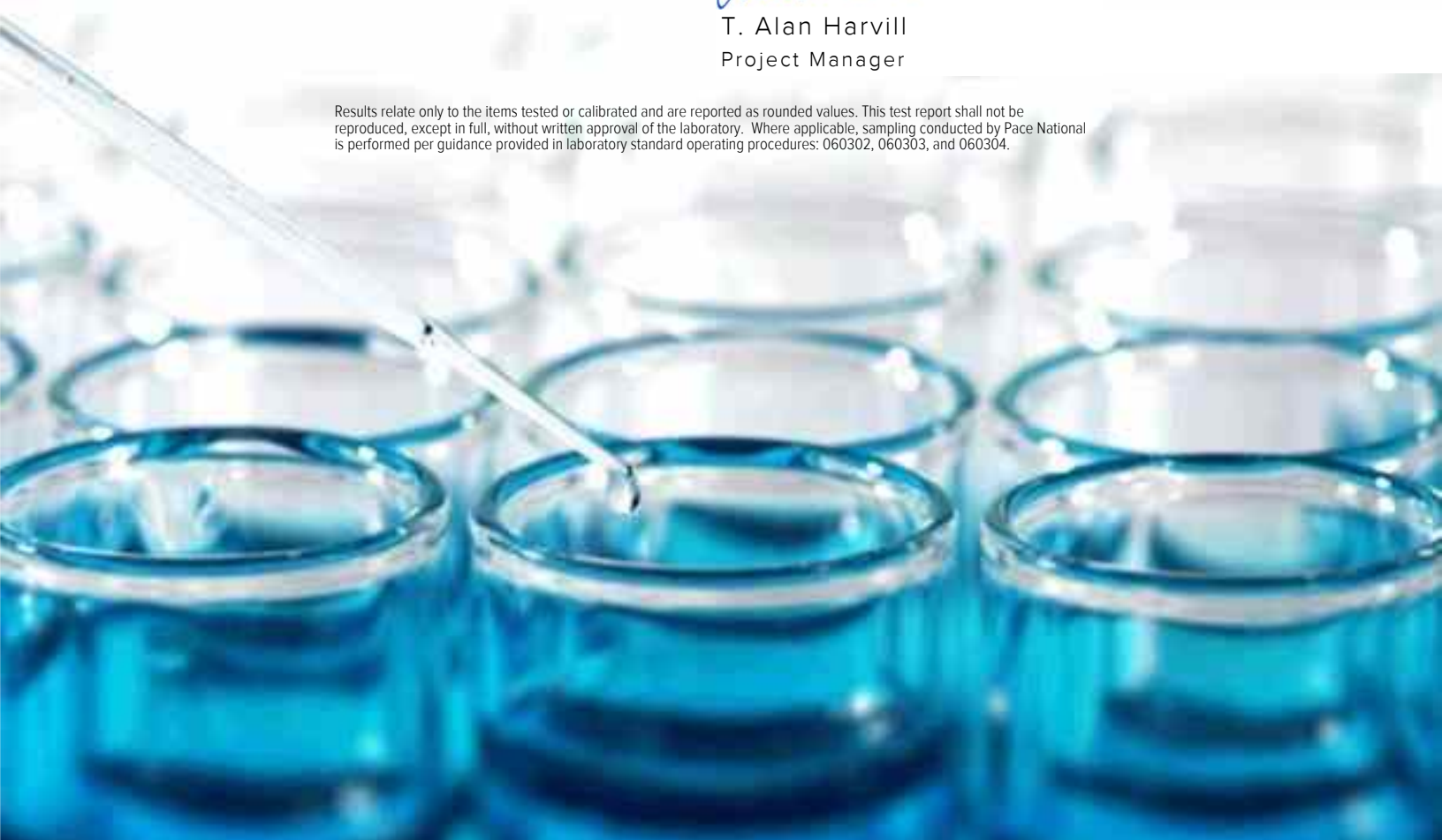
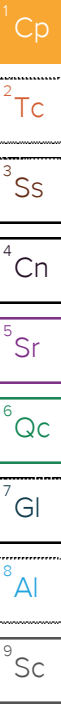
Report To: Mr. Mike Pelychaty
300 State Street, Suite 201
Rochester, NY 14614

Entire Report Reviewed By:



T. Alan Harvill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.





Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
MW-7-070219 L1115659-01	5	
MW-3R-070219 L1115659-02	6	⁴ Cn
DUPE-070219 L1115659-03	8	⁵ Sr
TRIP BLANK L1115659-04	10	
Qc: Quality Control Summary	12	⁶ Qc
Volatile Organic Compounds (GC/MS) by Method 8260C	12	
Gl: Glossary of Terms	21	⁷ Gl
Al: Accreditations & Locations	22	⁸ Al
Sc: Sample Chain of Custody	23	⁹ Sc



MW-7-070219 L1115659-01 GW

Collected by
Alexander DaSilva

Collected date/time
07/02/19 11:00

Received date/time
07/03/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1309059	20	07/10/19 17:10	07/10/19 17:10	ADM	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

MW-3R-070219 L1115659-02 GW

Collected by
Alexander DaSilva

Collected date/time
07/02/19 13:55

Received date/time
07/03/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1309059	1	07/10/19 21:15	07/10/19 21:15	ADM	Mt. Juliet, TN

⁴ Cn

⁵ Sr

DUPE-070219 L1115659-03 GW

Collected by
Alexander DaSilva

Collected date/time
07/02/19 14:30

Received date/time
07/03/19 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1309059	1	07/10/19 17:31	07/10/19 17:31	ADM	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

TRIP BLANK L1115659-04 GW

Collected by
Alexander DaSilva

Collected date/time
07/02/19 07:00

Received date/time
07/03/19 08:45

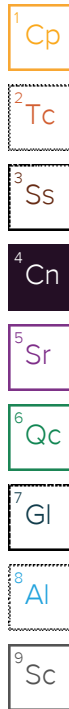
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1309794	1	07/11/19 15:06	07/11/19 15:06	JAH	Mt. Juliet, TN

⁹ Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

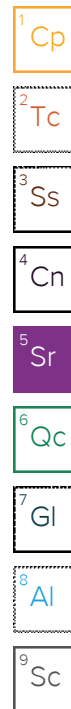
T. Alan Harvill
Project Manager





Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	1130		20.0	20	07/10/2019 17:10	WG1309059
n-Butylbenzene	ND		20.0	20	07/10/2019 17:10	WG1309059
sec-Butylbenzene	ND		20.0	20	07/10/2019 17:10	WG1309059
tert-Butylbenzene	ND		20.0	20	07/10/2019 17:10	WG1309059
Ethylbenzene	642		20.0	20	07/10/2019 17:10	WG1309059
Isopropylbenzene	36.5		20.0	20	07/10/2019 17:10	WG1309059
p-Isopropyltoluene	ND		20.0	20	07/10/2019 17:10	WG1309059
Methyl tert-butyl ether	ND		20.0	20	07/10/2019 17:10	WG1309059
Naphthalene	329		100	20	07/10/2019 17:10	WG1309059
n-Propylbenzene	66.7		20.0	20	07/10/2019 17:10	WG1309059
1,2,4-Trimethylbenzene	872		20.0	20	07/10/2019 17:10	WG1309059
1,3,5-Trimethylbenzene	37.7		20.0	20	07/10/2019 17:10	WG1309059
Toluene	53.0		20.0	20	07/10/2019 17:10	WG1309059
o-Xylene	66.6		20.0	20	07/10/2019 17:10	WG1309059
m&p-Xylenes	1460		40.0	20	07/10/2019 17:10	WG1309059
(S) Toluene-d8	96.8		80.0-120		07/10/2019 17:10	WG1309059
(S) 4-Bromofluorobenzene	91.9		77.0-126		07/10/2019 17:10	WG1309059
(S) 1,2-Dichloroethane-d4	99.3		70.0-130		07/10/2019 17:10	WG1309059





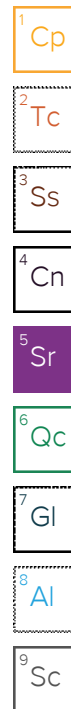
Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	ND	J3	50.0	1	07/10/2019 21:15	WG1309059	¹ Cp
Benzene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	² Tc
Bromochloromethane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	³ Ss
Bromodichloromethane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	⁴ Cn
Bromoform	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	⁵ Sr
Bromomethane	ND	J3	5.00	1	07/10/2019 21:15	WG1309059	⁶ Qc
Carbon disulfide	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	⁷ Gl
Carbon tetrachloride	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	⁸ Al
Chlorobenzene	117	V	1.00	1	07/10/2019 21:15	WG1309059	⁹ Sc
Chlorodibromomethane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
Chloroethane	ND	J3	5.00	1	07/10/2019 21:15	WG1309059	
Chloroform	ND	J3	5.00	1	07/10/2019 21:15	WG1309059	
Chloromethane	ND	J0 J3	2.50	1	07/10/2019 21:15	WG1309059	
Cyclohexane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,2-Dibromo-3-Chloropropane	ND	J3	5.00	1	07/10/2019 21:15	WG1309059	
1,2-Dibromoethane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,2-Dichlorobenzene	2.78	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,3-Dichlorobenzene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,4-Dichlorobenzene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
Dichlorodifluoromethane	ND	J0 J3 J4	5.00	1	07/10/2019 21:15	WG1309059	
1,1-Dichloroethane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,2-Dichloroethane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,1-Dichloroethene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
cis-1,2-Dichloroethene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
trans-1,2-Dichloroethene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,2-Dichloropropane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
cis-1,3-Dichloropropene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
trans-1,3-Dichloropropene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
Ethylbenzene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
2-Hexanone	ND	J3	10.0	1	07/10/2019 21:15	WG1309059	
Isopropylbenzene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
2-Butanone (MEK)	ND	J3	10.0	1	07/10/2019 21:15	WG1309059	
Methyl Acetate	ND	J3	20.0	1	07/10/2019 21:15	WG1309059	
Methyl Cyclohexane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
Methylene Chloride	ND	J3	5.00	1	07/10/2019 21:15	WG1309059	
4-Methyl-2-pentanone (MIBK)	ND	J3	10.0	1	07/10/2019 21:15	WG1309059	
Methyl tert-butyl ether	1.24	J3	1.00	1	07/10/2019 21:15	WG1309059	
Naphthalene	ND	J3	5.00	1	07/10/2019 21:15	WG1309059	
Styrene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,1,2,2-Tetrachloroethane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
Tetrachloroethene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
Toluene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,2,3-Trichlorobenzene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,2,4-Trichlorobenzene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,1,1-Trichloroethane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
1,1,2-Trichloroethane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
Trichloroethene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
Trichlorofluoromethane	ND	J3	5.00	1	07/10/2019 21:15	WG1309059	
1,1,2-Trichlorotrifluoroethane	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
Vinyl chloride	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
o-Xylene	ND	J3 J6	1.00	1	07/10/2019 21:15	WG1309059	
m&p-Xylenes	ND	J3 J6	2.00	1	07/10/2019 21:15	WG1309059	
n-Butylbenzene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
sec-Butylbenzene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
tert-Butylbenzene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	
p-Isopropyltoluene	ND	J3	1.00	1	07/10/2019 21:15	WG1309059	



Volatile Organic Compounds (GC/MS) by Method 8260C

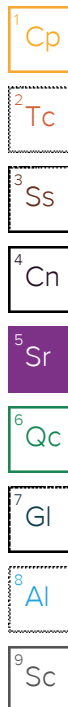
Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
n-Propylbenzene	ND	<u>J3</u>	1.00	1	07/10/2019 21:15	WG1309059
1,2,4-Trimethylbenzene	ND	<u>J3</u>	1.00	1	07/10/2019 21:15	WG1309059
1,3,5-Trimethylbenzene	ND	<u>J3</u>	1.00	1	07/10/2019 21:15	WG1309059
(S) Toluene-d8	92.5		80.0-120		07/10/2019 21:15	WG1309059
(S) 4-Bromofluorobenzene	86.1		77.0-126		07/10/2019 21:15	WG1309059
(S) 1,2-Dichloroethane-d4	99.5		70.0-130		07/10/2019 21:15	WG1309059





Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	07/10/2019 17:31	WG1309059
Benzene	ND		1.00	1	07/10/2019 17:31	WG1309059
Bromochloromethane	ND		1.00	1	07/10/2019 17:31	WG1309059
Bromodichloromethane	ND		1.00	1	07/10/2019 17:31	WG1309059
Bromoform	ND		1.00	1	07/10/2019 17:31	WG1309059
Bromomethane	ND		5.00	1	07/10/2019 17:31	WG1309059
Carbon disulfide	ND		1.00	1	07/10/2019 17:31	WG1309059
Carbon tetrachloride	ND		1.00	1	07/10/2019 17:31	WG1309059
Chlorobenzene	109		1.00	1	07/10/2019 17:31	WG1309059
Chlorodibromomethane	ND		1.00	1	07/10/2019 17:31	WG1309059
Chloroethane	ND		5.00	1	07/10/2019 17:31	WG1309059
Chloroform	ND		5.00	1	07/10/2019 17:31	WG1309059
Chloromethane	ND	JO	2.50	1	07/10/2019 17:31	WG1309059
Cyclohexane	ND		1.00	1	07/10/2019 17:31	WG1309059
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/10/2019 17:31	WG1309059
1,2-Dibromoethane	ND		1.00	1	07/10/2019 17:31	WG1309059
1,2-Dichlorobenzene	2.84		1.00	1	07/10/2019 17:31	WG1309059
1,3-Dichlorobenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
1,4-Dichlorobenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
Dichlorodifluoromethane	ND	JO J4	5.00	1	07/10/2019 17:31	WG1309059
1,1-Dichloroethane	ND		1.00	1	07/10/2019 17:31	WG1309059
1,2-Dichloroethane	ND		1.00	1	07/10/2019 17:31	WG1309059
1,1-Dichloroethene	ND		1.00	1	07/10/2019 17:31	WG1309059
cis-1,2-Dichloroethene	ND		1.00	1	07/10/2019 17:31	WG1309059
trans-1,2-Dichloroethene	ND		1.00	1	07/10/2019 17:31	WG1309059
1,2-Dichloropropane	ND		1.00	1	07/10/2019 17:31	WG1309059
cis-1,3-Dichloropropene	ND		1.00	1	07/10/2019 17:31	WG1309059
trans-1,3-Dichloropropene	ND		1.00	1	07/10/2019 17:31	WG1309059
Ethylbenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
2-Hexanone	ND		10.0	1	07/10/2019 17:31	WG1309059
Isopropylbenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
2-Butanone (MEK)	ND		10.0	1	07/10/2019 17:31	WG1309059
Methyl Acetate	ND		20.0	1	07/10/2019 17:31	WG1309059
Methyl Cyclohexane	ND		1.00	1	07/10/2019 17:31	WG1309059
Methylene Chloride	ND		5.00	1	07/10/2019 17:31	WG1309059
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/10/2019 17:31	WG1309059
Methyl tert-butyl ether	1.20		1.00	1	07/10/2019 17:31	WG1309059
Naphthalene	ND		5.00	1	07/10/2019 17:31	WG1309059
Styrene	ND		1.00	1	07/10/2019 17:31	WG1309059
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/10/2019 17:31	WG1309059
Tetrachloroethene	ND		1.00	1	07/10/2019 17:31	WG1309059
Toluene	ND		1.00	1	07/10/2019 17:31	WG1309059
1,2,3-Trichlorobenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
1,2,4-Trichlorobenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
1,1,1-Trichloroethane	ND		1.00	1	07/10/2019 17:31	WG1309059
1,1,2-Trichloroethane	ND		1.00	1	07/10/2019 17:31	WG1309059
Trichloroethene	ND		1.00	1	07/10/2019 17:31	WG1309059
Trichlorofluoromethane	ND		5.00	1	07/10/2019 17:31	WG1309059
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/10/2019 17:31	WG1309059
Vinyl chloride	ND		1.00	1	07/10/2019 17:31	WG1309059
o-Xylene	ND		1.00	1	07/10/2019 17:31	WG1309059
m&p-Xylenes	ND		2.00	1	07/10/2019 17:31	WG1309059
n-Butylbenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
sec-Butylbenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
tert-Butylbenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
p-Isopropyltoluene	ND		1.00	1	07/10/2019 17:31	WG1309059





Volatile Organic Compounds (GC/MS) by Method 8260C

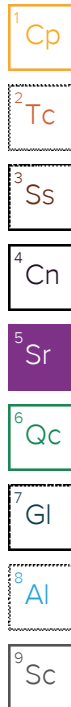
Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
n-Propylbenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
1,2,4-Trimethylbenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
1,3,5-Trimethylbenzene	ND		1.00	1	07/10/2019 17:31	WG1309059
(S) Toluene-d8	89.7		80.0-120		07/10/2019 17:31	WG1309059
(S) 4-Bromofluorobenzene	83.4		77.0-126		07/10/2019 17:31	WG1309059
(S) 1,2-Dichloroethane-d4	96.9		70.0-130		07/10/2019 17:31	WG1309059

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc



Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	07/11/2019 15:06	WG1309794
Benzene	ND		1.00	1	07/11/2019 15:06	WG1309794
Bromochloromethane	ND		1.00	1	07/11/2019 15:06	WG1309794
Bromodichloromethane	ND		1.00	1	07/11/2019 15:06	WG1309794
Bromoform	ND		1.00	1	07/11/2019 15:06	WG1309794
Bromomethane	ND		5.00	1	07/11/2019 15:06	WG1309794
Carbon disulfide	ND		1.00	1	07/11/2019 15:06	WG1309794
Carbon tetrachloride	ND		1.00	1	07/11/2019 15:06	WG1309794
Chlorobenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
Chlorodibromomethane	ND		1.00	1	07/11/2019 15:06	WG1309794
Chloroethane	ND		5.00	1	07/11/2019 15:06	WG1309794
Chloroform	ND		5.00	1	07/11/2019 15:06	WG1309794
Chloromethane	ND		2.50	1	07/11/2019 15:06	WG1309794
Cyclohexane	ND		1.00	1	07/11/2019 15:06	WG1309794
1,2-Dibromo-3-Chloropropane	ND		5.00	1	07/11/2019 15:06	WG1309794
1,2-Dibromoethane	ND		1.00	1	07/11/2019 15:06	WG1309794
1,2-Dichlorobenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
1,3-Dichlorobenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
1,4-Dichlorobenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
Dichlorodifluoromethane	ND		5.00	1	07/11/2019 15:06	WG1309794
1,1-Dichloroethane	ND		1.00	1	07/11/2019 15:06	WG1309794
1,2-Dichloroethane	ND		1.00	1	07/11/2019 15:06	WG1309794
1,1-Dichloroethene	ND		1.00	1	07/11/2019 15:06	WG1309794
cis-1,2-Dichloroethene	ND		1.00	1	07/11/2019 15:06	WG1309794
trans-1,2-Dichloroethene	ND		1.00	1	07/11/2019 15:06	WG1309794
1,2-Dichloropropane	ND		1.00	1	07/11/2019 15:06	WG1309794
cis-1,3-Dichloropropene	ND		1.00	1	07/11/2019 15:06	WG1309794
trans-1,3-Dichloropropene	ND		1.00	1	07/11/2019 15:06	WG1309794
Ethylbenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
2-Hexanone	ND		10.0	1	07/11/2019 15:06	WG1309794
Isopropylbenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
2-Butanone (MEK)	ND		10.0	1	07/11/2019 15:06	WG1309794
Methyl Acetate	ND		20.0	1	07/11/2019 15:06	WG1309794
Methyl Cyclohexane	ND		1.00	1	07/11/2019 15:06	WG1309794
Methylene Chloride	ND		5.00	1	07/11/2019 15:06	WG1309794
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	07/11/2019 15:06	WG1309794
Methyl tert-butyl ether	ND		1.00	1	07/11/2019 15:06	WG1309794
Naphthalene	ND		5.00	1	07/11/2019 15:06	WG1309794
Styrene	ND		1.00	1	07/11/2019 15:06	WG1309794
1,1,2,2-Tetrachloroethane	ND		1.00	1	07/11/2019 15:06	WG1309794
Tetrachloroethene	ND		1.00	1	07/11/2019 15:06	WG1309794
Toluene	ND		1.00	1	07/11/2019 15:06	WG1309794
1,2,3-Trichlorobenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
1,2,4-Trichlorobenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
1,1,1-Trichloroethane	ND		1.00	1	07/11/2019 15:06	WG1309794
1,1,2-Trichloroethane	ND		1.00	1	07/11/2019 15:06	WG1309794
Trichloroethene	ND		1.00	1	07/11/2019 15:06	WG1309794
Trichlorofluoromethane	ND		5.00	1	07/11/2019 15:06	WG1309794
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	07/11/2019 15:06	WG1309794
Vinyl chloride	ND		1.00	1	07/11/2019 15:06	WG1309794
o-Xylene	ND		1.00	1	07/11/2019 15:06	WG1309794
m&p-Xylenes	ND		2.00	1	07/11/2019 15:06	WG1309794
n-Butylbenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
sec-Butylbenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
tert-Butylbenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
p-Isopropyltoluene	ND		1.00	1	07/11/2019 15:06	WG1309794





Collected date/time: 07/02/19 07:00

L1115659

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
n-Propylbenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
1,2,4-Trimethylbenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
1,3,5-Trimethylbenzene	ND		1.00	1	07/11/2019 15:06	WG1309794
(S) Toluene-d8	99.4		80.0-120		07/11/2019 15:06	WG1309794
(S) 4-Bromofluorobenzene	94.8		77.0-126		07/11/2019 15:06	WG1309794
(S) 1,2-Dichloroethane-d4	93.0		70.0-130		07/11/2019 15:06	WG1309794

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Method Blank (MB)

(MB) R3429696-2 07/10/19 13:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Benzene	U		0.331	1.00
Bromodichloromethane	U		0.380	1.00
Bromochloromethane	U		0.520	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
Cyclohexane	U		0.390	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
Ethylbenzene	U		0.384	1.00
2-Hexanone	U		3.82	10.0
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methyl Acetate	U		4.30	20.0
Methyl Cyclohexane	U		0.380	1.00
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3429696-2 07/10/19 13:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	95.5			77.0-126
(S) 1,2-Dichloroethane-d4	99.7			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3429696-1 07/10/19 13:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	125	111	88.5	19.0-160	
Benzene	25.0	24.9	99.4	70.0-123	
Bromodichloromethane	25.0	24.1	96.3	75.0-120	
Bromochloromethane	25.0	23.2	92.8	76.0-122	
Bromoform	25.0	27.6	110	68.0-132	
Bromomethane	25.0	21.3	85.1	10.0-160	
n-Butylbenzene	25.0	23.5	93.9	73.0-125	
sec-Butylbenzene	25.0	22.6	90.6	75.0-125	
tert-Butylbenzene	25.0	23.5	93.9	76.0-124	
Carbon disulfide	25.0	26.2	105	61.0-128	
Carbon tetrachloride	25.0	27.5	110	68.0-126	

Laboratory Control Sample (LCS)

(LCS) R3429696-1 07/10/19 13:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chlorobenzene	25.0	26.0	104	80.0-121	
Chlorodibromomethane	25.0	27.6	110	77.0-125	
Chloroethane	25.0	29.2	117	47.0-150	
Chloroform	25.0	24.2	97.0	73.0-120	
Chloromethane	25.0	16.6	66.2	41.0-142	
Cyclohexane	25.0	25.9	104	71.0-124	
1,2-Dibromo-3-Chloropropane	25.0	23.3	93.1	58.0-134	
1,2-Dibromoethane	25.0	26.6	107	80.0-122	
1,2-Dichlorobenzene	25.0	25.0	100	79.0-121	
1,3-Dichlorobenzene	25.0	23.9	95.8	79.0-120	
1,4-Dichlorobenzene	25.0	23.2	92.7	79.0-120	
Dichlorodifluoromethane	25.0	39.5	158	51.0-149	J4
1,1-Dichloroethane	25.0	24.9	99.7	70.0-126	
1,2-Dichloroethane	25.0	24.3	97.4	70.0-128	
1,1-Dichloroethene	25.0	26.7	107	71.0-124	
cis-1,2-Dichloroethene	25.0	25.3	101	73.0-120	
trans-1,2-Dichloroethene	25.0	26.9	108	73.0-120	
1,2-Dichloropropane	25.0	25.5	102	77.0-125	
cis-1,3-Dichloropropene	25.0	24.8	99.1	80.0-123	
trans-1,3-Dichloropropene	25.0	25.5	102	78.0-124	
Ethylbenzene	25.0	25.6	102	79.0-123	
2-Hexanone	125	126	101	67.0-149	
Isopropylbenzene	25.0	25.7	103	76.0-127	
p-Isopropyltoluene	25.0	24.8	99.4	76.0-125	
2-Butanone (MEK)	125	116	92.6	44.0-160	
Methyl Acetate	125	126	101	57.0-148	
Methyl Cyclohexane	25.0	25.1	100	68.0-126	
Methylene Chloride	25.0	25.7	103	67.0-120	
4-Methyl-2-pentanone (MIBK)	125	130	104	68.0-142	
Methyl tert-butyl ether	25.0	24.1	96.6	68.0-125	
Naphthalene	25.0	22.2	88.8	54.0-135	
n-Propylbenzene	25.0	23.1	92.3	77.0-124	
Styrene	25.0	27.0	108	73.0-130	
1,1,2,2-Tetrachloroethane	25.0	22.8	91.1	65.0-130	
Tetrachloroethene	25.0	26.4	106	72.0-132	
Toluene	25.0	24.5	97.9	79.0-120	
1,1,2-Trichlorotrifluoroethane	25.0	27.1	108	69.0-132	
1,2,3-Trichlorobenzene	25.0	25.2	101	50.0-138	
1,2,4-Trichlorobenzene	25.0	24.1	96.5	57.0-137	
1,1,1-Trichloroethane	25.0	26.2	105	73.0-124	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Laboratory Control Sample (LCS)

(LCS) R3429696-1 07/10/19 13:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,2-Trichloroethane	25.0	23.7	94.8	80.0-120	
Trichloroethene	25.0	26.0	104	78.0-124	
Trichlorofluoromethane	25.0	32.8	131	59.0-147	
1,2,4-Trimethylbenzene	25.0	23.6	94.4	76.0-121	
1,3,5-Trimethylbenzene	25.0	22.7	90.9	76.0-122	
Vinyl chloride	25.0	27.4	109	67.0-131	
o-Xylene	25.0	24.9	99.8	80.0-122	
m&p-Xylenes	50.0	52.5	105	80.0-122	
(S) Toluene-d8			96.2	80.0-120	
(S) 4-Bromofluorobenzene			96.5	77.0-126	
(S) 1,2-Dichloroethane-d4			106	70.0-130	

L1115659-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1115659-02 07/10/19 21:15 • (MS) R3429696-3 07/10/19 21:35 • (MSD) R3429696-4 07/10/19 21:56

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	ND	42.7	63.7	34.2	50.9	1	10.0-160		J3	39.4	35
Benzene	25.0	ND	11.0	16.1	44.0	64.5	1	17.0-158		J3	37.9	27
Bromodichloromethane	25.0	ND	10.4	14.5	41.4	57.9	1	31.0-150		J3	33.3	27
Bromochloromethane	25.0	ND	11.5	15.0	46.0	60.2	1	38.0-142		J3	26.7	26
Bromoform	25.0	ND	9.18	13.6	36.7	54.4	1	29.0-150		J3	38.7	29
Bromomethane	25.0	ND	7.06	11.5	28.2	45.8	1	10.0-160		J3	47.5	38
n-Butylbenzene	25.0	ND	9.01	13.4	36.0	53.7	1	31.0-150		J3	39.4	30
sec-Butylbenzene	25.0	ND	9.01	13.1	36.0	52.3	1	33.0-155		J3	36.8	29
tert-Butylbenzene	25.0	ND	9.48	13.6	37.9	54.3	1	34.0-153		J3	35.4	28
Carbon disulfide	25.0	ND	12.4	17.5	49.4	70.1	1	10.0-156		J3	34.6	28
Carbon tetrachloride	25.0	ND	12.4	18.7	49.6	74.8	1	23.0-159		J3	40.6	28
Chlorobenzene	25.0	117	120	136	12.6	76.7	1	33.0-152	V		12.5	27
Chlorodibromomethane	25.0	ND	9.57	14.4	38.3	57.6	1	37.0-149		J3	40.3	27
Chloroethane	25.0	ND	12.4	17.7	49.7	70.8	1	10.0-160		J3	35.0	30
Chloroform	25.0	ND	10.9	15.0	43.7	59.9	1	29.0-154		J3	31.1	28
Chloromethane	25.0	ND	7.16	10.9	28.7	43.7	1	10.0-160		J3	41.6	29
Cyclohexane	25.0	ND	11.7	16.9	46.9	67.6	1	19.0-160		J3	36.1	23
1,2-Dibromo-3-Chloropropane	25.0	ND	8.84	13.2	35.4	52.7	1	22.0-151		J3	39.4	34
1,2-Dibromoethane	25.0	ND	9.48	14.3	37.9	57.2	1	34.0-147		J3	40.5	27
1,2-Dichlorobenzene	25.0	2.78	12.3	17.4	38.1	58.5	1	34.0-149		J3	34.4	28
1,3-Dichlorobenzene	25.0	ND	9.82	13.8	39.3	55.4	1	36.0-146		J3	34.1	27
1,4-Dichlorobenzene	25.0	ND	9.98	14.6	39.9	58.5	1	35.0-142		J3	37.7	27

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1115659-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1115659-02 07/10/19 21:15 • (MS) R3429696-3 07/10/19 21:35 • (MSD) R3429696-4 07/10/19 21:56

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dichlorodifluoromethane	25.0	ND	18.1	26.4	68.1	101	1	10.0-160		J3	37.0	29
1,1-Dichloroethane	25.0	ND	11.8	16.7	44.3	63.7	1	25.0-158		J3	34.2	27
1,2-Dichloroethane	25.0	ND	10.4	14.7	41.5	58.9	1	29.0-151		J3	34.6	27
1,1-Dichloroethene	25.0	ND	12.6	17.9	50.3	71.4	1	11.0-160		J3	34.8	29
cis-1,2-Dichloroethene	25.0	ND	11.5	16.2	45.8	64.9	1	10.0-160		J3	34.5	27
trans-1,2-Dichloroethene	25.0	ND	12.4	18.2	49.4	72.7	1	17.0-153		J3	38.1	27
1,2-Dichloropropane	25.0	ND	10.6	15.1	42.5	60.6	1	30.0-156		J3	35.1	27
cis-1,3-Dichloropropene	25.0	ND	9.11	13.5	36.4	53.9	1	34.0-149		J3	38.7	28
trans-1,3-Dichloropropene	25.0	ND	8.40	13.0	33.6	51.8	1	32.0-149		J3	42.7	28
Ethylbenzene	25.0	ND	10.1	15.4	40.6	61.5	1	30.0-155		J3	40.9	27
2-Hexanone	125	ND	41.1	68.0	32.9	54.4	1	21.0-160		J3	49.3	29
Isopropylbenzene	25.0	ND	9.35	14.1	37.4	56.5	1	28.0-157		J3	40.6	27
p-Isopropyltoluene	25.0	ND	9.58	13.9	38.3	55.7	1	30.0-154		J3	36.9	29
2-Butanone (MEK)	125	ND	43.5	65.1	34.8	52.0	1	10.0-160		J3	39.7	32
Methyl Acetate	125	ND	41.6	68.2	33.3	54.5	1	18.0-151		J3	48.4	30
Methyl Cyclohexane	25.0	ND	10.8	15.5	43.1	62.0	1	11.0-160		J3	36.0	24
Methylene Chloride	25.0	ND	11.6	15.7	46.3	62.8	1	23.0-144		J3	30.2	28
4-Methyl-2-pentanone (MIBK)	125	ND	43.2	69.1	34.6	55.3	1	29.0-160		J3	46.1	29
Methyl tert-butyl ether	25.0	1.24	10.6	14.6	37.4	53.5	1	28.0-150		J3	31.9	29
Naphthalene	25.0	ND	7.41	11.8	29.6	47.0	1	12.0-156		J3	45.3	35
n-Propylbenzene	25.0	ND	9.21	13.3	36.8	53.0	1	31.0-154		J3	36.1	28
Styrene	25.0	ND	8.58	13.3	34.3	53.3	1	33.0-155		J3	43.4	28
1,1,2,2-Tetrachloroethane	25.0	ND	8.85	12.5	35.4	50.1	1	33.0-150		J3	34.4	28
Tetrachloroethene	25.0	ND	10.5	15.6	42.1	62.5	1	10.0-160		J3	38.9	27
Toluene	25.0	ND	9.38	14.0	37.5	55.9	1	26.0-154		J3	39.4	28
1,1,2-Trichlorotrifluoroethane	25.0	ND	12.7	17.7	50.7	70.6	1	23.0-160		J3	32.9	30
1,2,3-Trichlorobenzene	25.0	ND	8.29	12.5	33.2	50.0	1	17.0-150		J3	40.6	36
1,2,4-Trichlorobenzene	25.0	ND	8.54	13.3	34.2	53.3	1	24.0-150		J3	43.8	33
1,1,1-Trichloroethane	25.0	ND	11.8	17.6	47.2	70.3	1	23.0-160		J3	39.4	28
1,1,2-Trichloroethane	25.0	ND	8.89	13.2	35.6	52.6	1	35.0-147		J3	38.7	27
Trichloroethene	25.0	ND	11.5	16.9	45.8	67.5	1	10.0-160		J3	38.3	25
Trichlorofluoromethane	25.0	ND	13.9	20.8	55.5	83.1	1	17.0-160		J3	39.9	31
1,2,4-Trimethylbenzene	25.0	ND	8.99	13.4	36.0	53.5	1	26.0-154		J3	39.2	27
1,3,5-Trimethylbenzene	25.0	ND	9.10	13.3	36.4	53.3	1	28.0-153		J3	37.8	27
Vinyl chloride	25.0	ND	13.1	18.3	52.4	73.2	1	10.0-160		J3	33.3	27
o-Xylene	25.0	ND	9.04	13.5	36.1	54.1	1	45.0-144	J6	J3	39.8	26
m&p-Xylenes	50.0	ND	19.6	30.0	39.2	60.0	1	43.0-146	J6	J3	42.0	26
(S) Toluene-d8					89.1	92.9		80.0-120				
(S) 4-Bromofluorobenzene					86.2	91.1		77.0-126				
(S) 1,2-Dichloroethane-d4					103	103		70.0-130				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3429831-3 07/11/19 10:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Benzene	U		0.331	1.00
Bromodichloromethane	U		0.380	1.00
Bromochloromethane	U		0.520	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon disulfide	U		0.275	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
Cyclohexane	U		0.390	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
Ethylbenzene	U		0.384	1.00
2-Hexanone	U		3.82	10.0
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methyl Acetate	U		4.30	20.0
Methyl Cyclohexane	U		0.380	1.00
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3429831-3 07/11/19 10:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.412	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
o-Xylene	U		0.341	1.00
m&p-Xylenes	U		0.719	2.00
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	105			77.0-126
(S) 1,2-Dichloroethane-d4	93.7			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3429831-1 07/11/19 09:40 • (LCSD) R3429831-2 07/11/19 10:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	125	118	99.8	94.7	19.0-160			5.22	27
Benzene	25.0	24.5	25.5	97.9	102	70.0-123			4.15	20
Bromodichloromethane	25.0	23.6	23.9	94.4	95.6	75.0-120			1.20	20
Bromochloromethane	25.0	25.9	25.7	104	103	76.0-122			0.938	20
Bromoform	25.0	21.4	21.3	85.4	85.2	68.0-132			0.315	20
Bromomethane	25.0	30.8	30.0	123	120	10.0-160			2.76	25
n-Butylbenzene	25.0	23.6	26.2	94.3	105	73.0-125			10.4	20
sec-Butylbenzene	25.0	23.3	26.4	93.1	105	75.0-125			12.5	20
tert-Butylbenzene	25.0	23.9	27.2	95.6	109	76.0-124			13.0	20
Carbon disulfide	25.0	27.1	28.6	108	114	61.0-128			5.43	20
Carbon tetrachloride	25.0	28.0	26.6	112	106	68.0-126			5.33	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3429831-1 07/11/19 09:40 • (LCSD) R3429831-2 07/11/19 10:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chlorobenzene	25.0	22.5	23.0	90.1	92.2	80.0-121			2.29	20
Chlorodibromomethane	25.0	22.2	22.6	88.7	90.5	77.0-125			2.04	20
Chloroethane	25.0	27.0	26.5	108	106	47.0-150			1.55	20
Chloroform	25.0	25.0	25.9	100	104	73.0-120			3.43	20
Chloromethane	25.0	26.5	26.1	106	104	41.0-142			1.71	20
Cyclohexane	25.0	26.8	26.2	107	105	71.0-124			2.25	20
1,2-Dibromo-3-Chloropropane	25.0	21.2	22.4	84.7	89.6	58.0-134			5.69	20
1,2-Dibromoethane	25.0	22.2	23.3	88.9	93.1	80.0-122			4.57	20
1,2-Dichlorobenzene	25.0	23.8	27.1	95.4	108	79.0-121			12.8	20
1,3-Dichlorobenzene	25.0	25.4	28.3	102	113	79.0-120			11.0	20
1,4-Dichlorobenzene	25.0	22.5	26.8	89.8	107	79.0-120			17.7	20
Dichlorodifluoromethane	25.0	30.9	30.9	124	124	51.0-149			0.00579	20
1,1-Dichloroethane	25.0	24.1	24.7	96.4	98.8	70.0-126			2.44	20
1,2-Dichloroethane	25.0	22.4	23.1	89.5	92.5	70.0-128			3.30	20
1,1-Dichloroethene	25.0	28.3	28.1	113	113	71.0-124			0.696	20
cis-1,2-Dichloroethene	25.0	24.9	25.5	99.5	102	73.0-120			2.55	20
trans-1,2-Dichloroethene	25.0	24.2	24.6	96.7	98.5	73.0-120			1.86	20
1,2-Dichloropropane	25.0	23.5	24.2	94.0	96.9	77.0-125			2.95	20
cis-1,3-Dichloropropene	25.0	20.9	23.2	83.7	93.0	80.0-123			10.5	20
trans-1,3-Dichloropropene	25.0	21.9	23.5	87.6	94.1	78.0-124			7.19	20
Ethylbenzene	25.0	23.9	24.8	95.6	99.3	79.0-123			3.83	20
2-Hexanone	125	105	106	84.3	84.6	67.0-149			0.322	20
Isopropylbenzene	25.0	26.0	25.7	104	103	76.0-127			1.09	20
p-Isopropyltoluene	25.0	24.8	28.0	99.1	112	76.0-125			12.3	20
2-Butanone (MEK)	125	114	113	91.6	90.7	44.0-160			0.984	20
Methyl Acetate	125	120	117	95.9	93.3	57.0-148			2.75	20
Methyl Cyclohexane	25.0	27.7	27.2	111	109	68.0-126			1.77	20
Methylene Chloride	25.0	26.1	24.5	105	98.0	67.0-120			6.45	20
4-Methyl-2-pentanone (MIBK)	125	111	110	88.9	87.9	68.0-142			1.11	20
Methyl tert-butyl ether	25.0	25.7	23.8	103	95.2	68.0-125			7.69	20
Naphthalene	25.0	21.5	23.2	85.9	92.9	54.0-135			7.91	20
n-Propylbenzene	25.0	21.6	24.3	86.2	97.3	77.0-124			12.0	20
Styrene	25.0	22.9	23.8	91.7	95.2	73.0-130			3.68	20
1,1,2,2-Tetrachloroethane	25.0	22.3	24.3	89.0	97.4	65.0-130			8.96	20
Tetrachloroethene	25.0	25.4	27.3	102	109	72.0-132			7.07	20
Toluene	25.0	23.8	24.6	95.2	98.4	79.0-120			3.24	20
1,1,2-Trichlorotrifluoroethane	25.0	28.9	29.7	116	119	69.0-132			2.62	20
1,2,3-Trichlorobenzene	25.0	21.7	24.9	86.7	99.4	50.0-138			13.7	20
1,2,4-Trichlorobenzene	25.0	23.3	25.3	93.2	101	57.0-137			8.31	20
1,1,1-Trichloroethane	25.0	26.1	25.6	104	102	73.0-124			1.79	20

1

Cp

2

Tc

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Ss

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Cn

5

Sr

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Qc

7

Gl

8

Al

9

Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3429831-1 07/11/19 09:40 • (LCSD) R3429831-2 07/11/19 10:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,1,2-Trichloroethane	25.0	22.0	23.6	88.2	94.2	80.0-120			6.65	20
Trichloroethene	25.0	22.4	25.1	89.4	100	78.0-124			11.5	20
Trichlorofluoromethane	25.0	28.9	28.5	116	114	59.0-147			1.54	20
1,2,4-Trimethylbenzene	25.0	24.0	27.2	96.0	109	76.0-121			12.6	20
1,3,5-Trimethylbenzene	25.0	21.9	25.5	87.7	102	76.0-122			14.9	20
Vinyl chloride	25.0	28.0	27.0	112	108	67.0-131			3.65	20
o-Xylene	25.0	24.6	24.6	98.4	98.5	80.0-122			0.0682	20
m&p-Xylenes	50.0	48.6	50.8	97.3	102	80.0-122			4.32	20
(S) Toluene-d8				98.0	98.6	80.0-120				
(S) 4-Bromofluorobenzene				101	99.7	77.0-126				
(S) 1,2-Dichloroethane-d4				106	105	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Guide to Reading and Understanding Your Laboratory Report

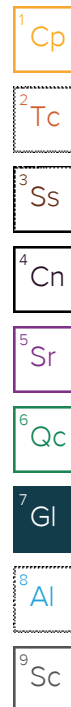
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration method criteria.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.





Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



LaBella Associates, P.C.		Billing Information:		Attn: Accounts Payable 300 State St., Ste. 201 Rochester, NY 14614		Pres Chk		Analysis / Container / Preservative										Chain of Custody		Page ____ of ____			
300 State Street, Suite 201 Rochester, NY 14614		Report to: Mike Pelychaty		Email To: M.pelychaty@labella.com AdaSilva@labella.com		City/State Collected: Rochester, NY.												Pace Analytical® National Center for Testing & Innovation		12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859			
Project NYSDEC BCP Site No. C828134		Description: 3865 & 3875 West Henrietta Rd.		Client Project # 209 395		Lab Project #												I # L1115659		C142			
Phone: 585-454-6110		Fax:		Collected by (print): Alexander daSilva		Site/Facility ID #		P.O. #												Acctnum: LABRNY		Template:	
Collected by (signature): [Signature]		Rush? (Lab MUST Be Notified) ____ Same Day <input checked="" type="checkbox"/> Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day		Quote #		Date Results Needed		No. of Cntrs												Prelogin:		TSR: 364 - T. Alan Harvill	
Immediately		Packed on Ice N ____ Y <input checked="" type="checkbox"/>		Sample ID		Comp/Grab		Matrix *		Depth		Date		Time		Remarks		Sample # (lab only)					
MW-7-070219		Grab		GW		6 ft		7/2/19		1100		2		X				-01					
MW-3R-070219		Grab		GW		12 ft		7/2/19		1355		9		X				MS/W&D -02					
DUPE-070219		GRAB		GW		12		7/2/19		1430		3		X				-03					
TRIP BLANK		GRAB		---		---		7/2/19		0700		1		X				-04					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: ASP CAT B + NYs EQUIS		pH ____ Temp ____		Flow ____ Other ____												Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> NP <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N RAD SCREEN: <0.5 mR/hr					
Samples returned via: ____ UPS <input checked="" type="checkbox"/> FedEx ____ Courier ____		Tracking # Fedex 1023 1354 3033												Trip Blank Received: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		HCL/MeOH TBR		If preservation required by Login: Date/Time					
Relinquished by: (Signature) [Signature]		Date: 7/2/19		Time: 1555		Received by: (Signature)		Temp: °C 3.3-2=3.532		Bottles Received: 14		Hold:		Condition: NCF / OK									
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date: 7/3/19		Time: 8:45		Hold:		Condition:									
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Hold:		Condition:									



APPENDIX C

Site Inspection Form



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: A. daSilva

Date of Inspection: 7/2/2019 & 7/9/2019

Weather Conditions: Overcast

INSPECTION FINDINGS

3865 Building SSDS VENT FAN & GENERAL LOCATION 7/2/2019	FAN OPERATING PROPERLY (YES/NO) and MANOMETER READING (H ₂ O"):	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 2.5 H ₂ O"	YES	System Running. No actions taken.
3875 Building SSDS VENT FAN & GENERAL LOCATION 7/9/2019	FAN OPERATING PROPERLY (YES/NO) and MANOMETER READING (H ₂ O"):	PIPING and LABELLING IN GOOD CONDITION (YES/NO)	COMMENTS AND/OR ACTIONS TAKEN
Customer Reception Area (referred to as "Northern Point" in 2017 PRR)	-0.597 H ₂ O" & -0.057 H ₂ O"	YES	System running. No actions taken.
Service Area (referred to as "Southern Point" in 2017 PRR)	Fan and alarm located here - 0.170 H ₂ O" & -0.007 H ₂ O"	YES	System running. No actions taken.
2017 Building Addition	-0.072 H ₂ O" & -0.065 H ₂ O"	YES	System running. No actions taken.
GENERAL SITE CONDITIONS 7/2/2019	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.

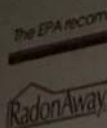




NOTICE
Radon System Monitor
Do not alter or disconnect
Green light indicates vacuum pressure in ventline (system operating). A red light and audible alarm indicates a loss of vacuum pressure.
If red light appears/alarm sounds disconnect power from alarm unit and call system installer for service.
The EPA recommends testing Radon levels at least every 2 years.

Checkpoint Tia Alarm
9th 2000-2
RadonAway
Mfg by RadonAway, Ward Hill, MA
www.radonaway.com
139561-9

When light (system operating) indicates a loss of vacuum.
If red light appears/alarm sounds disconnect power from alarm unit and call system installer for service.
The EPA recommends testing Radon levels at least every 2 years.



Checkpoint IIa Alarm
P/N 28001-2

Mfd by RadonAway, Ward Hill, MA
www.radonaway.com

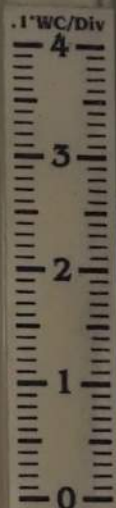


15094-1 B

vacuum pressure,
pressure provides an
operating.
tested for Radon at
as required or
local agencies

WH COLUMNS ARE AT ZERO
→
CHANGES SUBSTANTIALLY

FC4
100722
57-7430
Initial
vacuum
pressure: 2.5"



Easy Read
Dynamometer
RadonAway
Rev C



Department of Environmental Conservation Region 8 NYSDEC - PBS Unit
WASTE OIL STORAGE CERTIFICATE 8274 East Avon-Lima Road
Avon, NY 14416-8819
Albany, NY 12233-7030 Phone: 518-402-8983 (518) 226-2486

DATE INSTALLED	TANK TYPE	PRODUCT STORED	CAPACITY (GALLONS)
07/18/2012	Steel/Carbon Steel/iron	motor oil	500 *
07/18/2012	Steel/Carbon Steel/iron	waste oil/used oil	500 *

Internal Importation as described in 6NYCRR Section 613-4.3.

file:///C:/Users/owner/Desktop/region8radon.pdf

PROPERTY OWNER:
CORPORATION
QUETTA ROAD
NY 14623

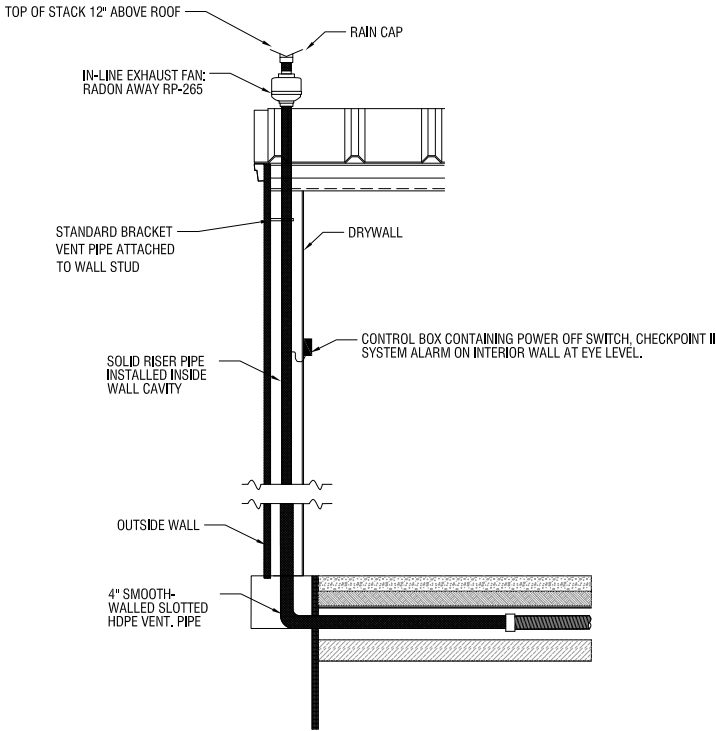
Phone Number

As the owner of this facility and/or the tanks at this facility, the receipt, storage, and use of this waste is an acknowledgment that I am responsible to the extent required by law for ensuring that this facility is in compliance with all regulations for the bulk storage of petroleum including those regarding equipment requirements, inspections, handling procedures, recordkeeping, reporting requirements, providing advanced notice to the Department of Environmental Conservation, spill reporting, and all other applicable requirements. Violations may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law.

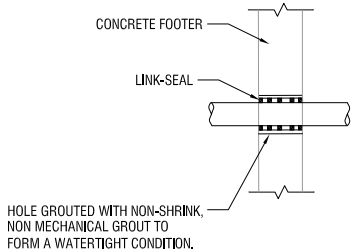


APPENDIX D

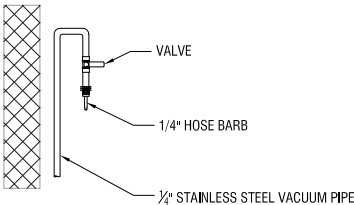
SSDS As-Built Drawings



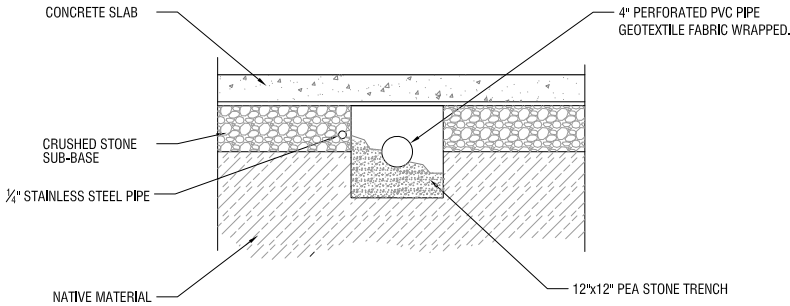
REAR ENDWALL



PROFILE AT PENETRATION



PROFILE AT GAUGE POINT




MATERIAL PROFILE

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 FXED WITH TAPE 6-INCHES FROM THE END.

NO.	REVISION	BY	DATE

It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to prepare, or cause to be prepared, any drawing, plan, or specification for construction, or to alter, amend, or modify any drawing, plan, or specification so prepared, or to use any drawing, plan, or specification so prepared, after its completion, without the signature and date of such alteration, and a specific description of the alteration.



LABELLA
Associates, P.C.

300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585) 454-3066
www.labellapc.com
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PROJECT/CLIENT

3875 West Henrietta Road
Henrietta, New York

RJ Dorschel Corp.

DRAWING TITLE

SUB-SLAB DEPRESSURIZATION
SYSTEM AS-BUILT

ISSUED FOR

AS-BUILT

SCALE:

NO SCALE

DRAWN BY:

HMS/PCN

REVIEWED BY:

DPN

DATE:

AUGUST 2018

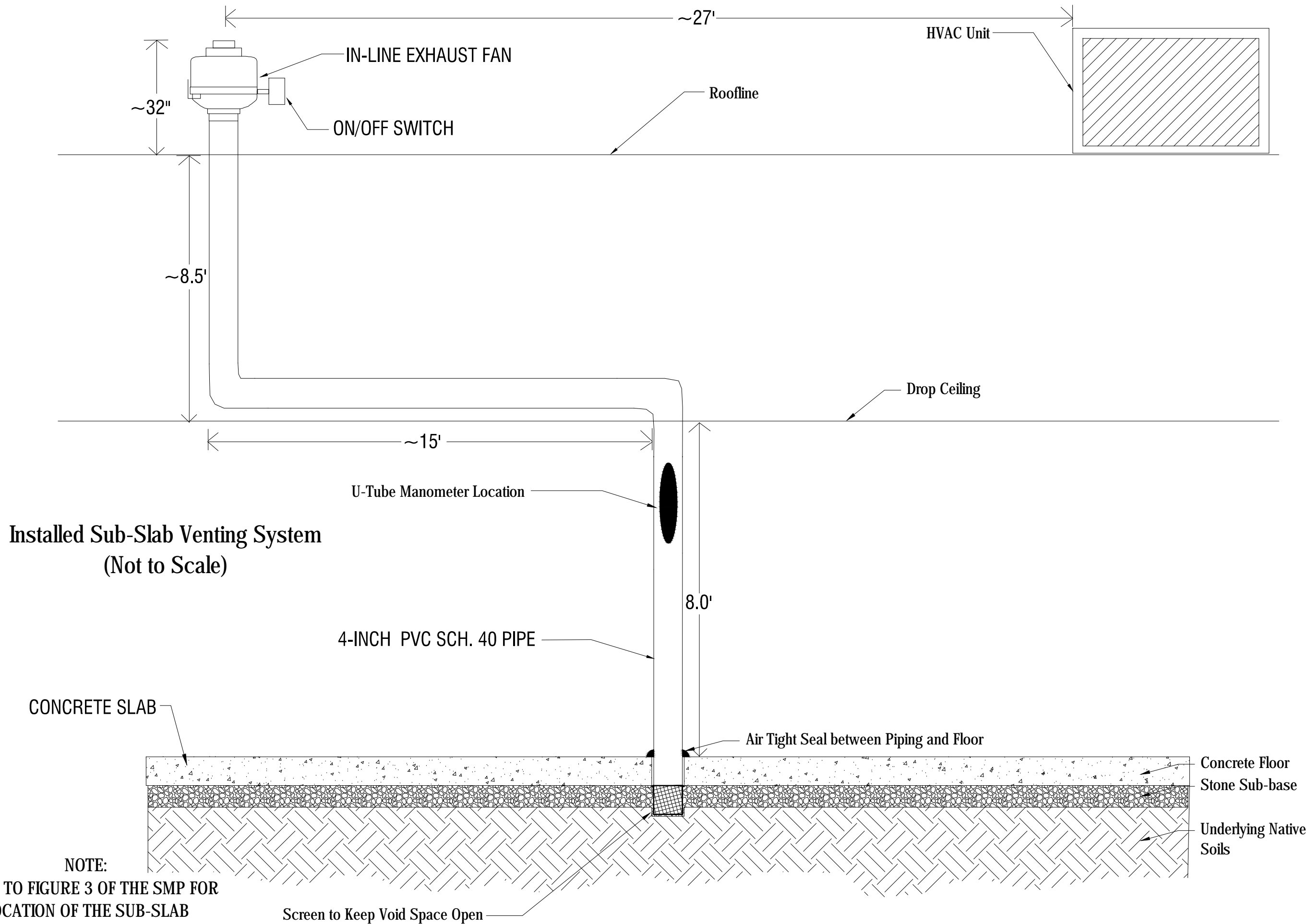
REVIEWED BY:

###

PROJECT/DRAWING NUMBER

209395

FIG 2



It is a violation of New York Education Law Article 145 to practice as a professional engineer or land surveyor unless acting under the direction of a licensed architect, engineer, or land surveyor to alter an item in the design of a building, structure, or machine, or of an architect, engineer, or land surveyor is altered; the professional engineer or land surveyor shall affix to the design, drawing, or report his or her signature and date of such alteration, and a description of the alteration.

STATE OF NEW YORK
DANIEL P. NOLLA
REGISTERED PROFESSIONAL ENGINEER
No. 061698

ABELLA
Associates, P.C.

300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585) 454-3066
www.abellapc.com
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PROJECT/CLIENT
BROWNFIELD CLEANUP PROGRAM
SITE MANAGEMENT PLAN
BCP Site # C828134

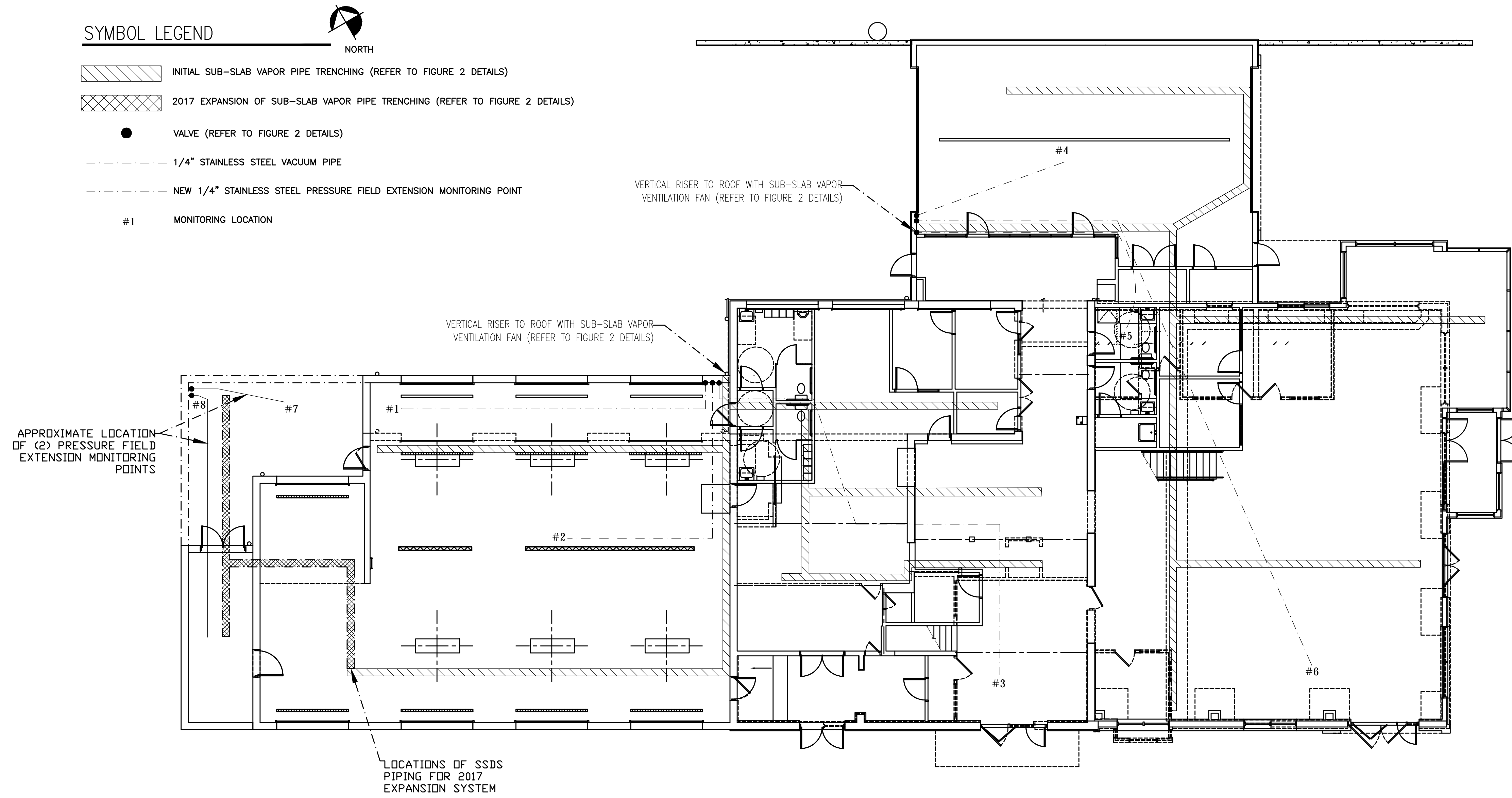
3865 WEST HENRIETTA RD
ROCHESTER, NY 14623

DRAWING TITLE			
SUBSLAB DEPRESSURIZATION DETAILS			
ISSUED FOR	DESIGNED BY:	EPD	
	DRAWN BY:	EPD	
	REVIEWED BY:	DPN	
AS-BUILT		AUGUST 2018	

PROJECT/DRAWING NUMBER

209395

FIGURE 9



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

[illegible]

LABELLA
Associates, P.C.

**300 STATE STREET
ROCHESTER, NY 14614**
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F: (585) 454-3066
www.labelapc.com

PROJECT/CLIENT

**3875 West Henrietta Road
Henrietta, New York**

RJ Dorschel Corp.

DRAWING TITLE	
AS-BUILT SUB-SLAB DEPRESSURIZATION SYSTEM	
ISSUED FOR	
AS-BUILT	
SCALE:	1:50
DRAWN BY:	HACKBURN
REVIEWED BY:	DPN
REVIEWED BY:	##-##
DATE:	AUGUST 2018

PROJECT/DRAWING NUMBER

209395

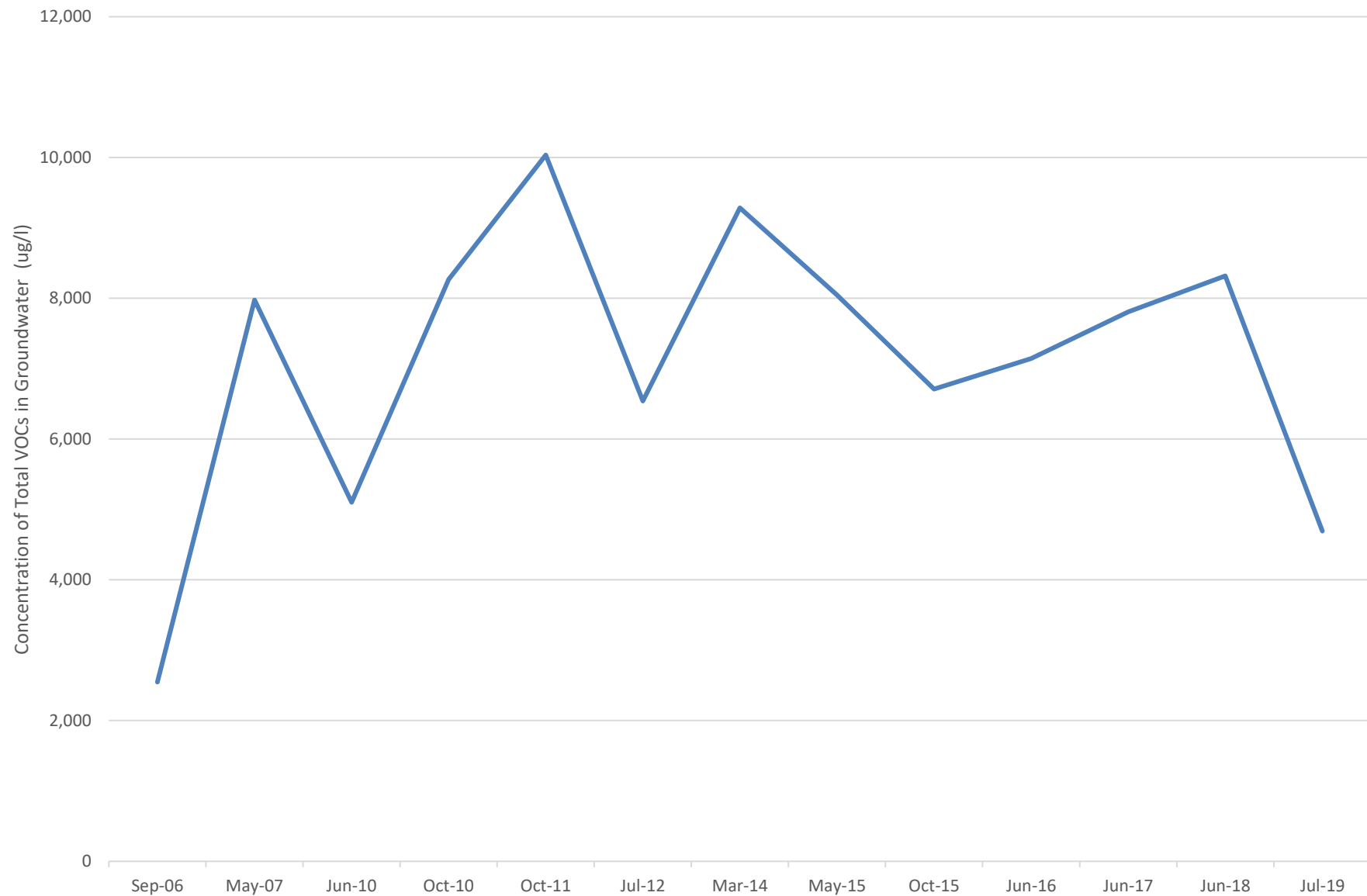
FIG 1



APPENDIX E

Graphs of Total VOCs Over Time

MW-7
[without outlier (May 2011 sample results)]



MW-3R





APPENDIX F

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 No. **C828134**

Site Details

Box 1

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, 2018 to August 06, 2019

- | | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Box 2

- | | YES | NO |
|--|-------------------------------------|--------------------------|
| 6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Are all ICs/ECs in place and functioning as designed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

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?	<input type="checkbox"/> <input checked="" type="checkbox"/>
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)	<input checked="" type="checkbox"/> <input type="checkbox"/>
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		

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
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 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 vapor 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

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 complete.

YES NO



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



**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 at 3817 W Henrietta Rd Rochester NY 14623
print name 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.

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

9/4/19
Date

IC/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 DANIEL P. NOLL at LaBella Associates D.P.C.
print name 300 STATE ST., ROCHESTER NY
print business address

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



D. Noll

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

9/5/17
Date

(Required for PE)