Pass & Seymour (P&S) Boyd Ave Site
ONONDAGA COUNTY, NEW YORK

PERIODIC REVIEW REPORT

NYSDEC Site Number C734102

Prepared for:
Pass and Seymour, Inc.
50 Boyd Avenue
Solvay, New York

Prepared by:
DW Stoner & Associates, LLC
9715 North Marina Drive
Sebastian, Florida

March 2019

CERTIFICATION

I, David W. Stoner am a Professional Geologist, licensed in New York State, and I certify that the following statements are true:

a) the institutional controls and/or engineering controls employed at this site are unchanged from the date the controls were put in place, or last approved by DER;

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

c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for these controls; and

d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of these controls

March 03, 2019

David W. Stoner, P.G. Date

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FIGURES

TABLES

ATTACHMENTS

1.0 EXECUTIVE SUMMARY

A Periodic Review Report (PRR) is required on a regular basis to verify that the Site Management Plan (SMP) for a brownfield site is being followed.

The Pass and Seymour site received a Certificate of Completion (COC) in December 2010. The SMP outlined a number of steps to be followed and reported on in the PRR. The most notable elements of the SMP that are addressed in this report are (1) maintenance of the subslab depressurization system, (2) maintenance of institutional and engineering controls, and (3) groundwater monitoring to demonstrate whether elevated concentrations of the primary contaminants of concern are declining and that groundwater contamination is not migrating off-site.

In this report it is documented that the SSD system is operating satisfactorily. The institutional controls have been monitored and the cover systems (slabs, pavement and earthen materials) have been maintained and an active program of vegetation removal has been diligently followed by Pass and Seymour. Groundwater monitoring performed after the initial injection of permanganate in 2010 indicated that a decline in chlorinated organics was occurring but not to the extent that groundwater remediation could be deemed complete. Subsequent to the submittal of the PRR in 2012 it was agreed that a second phase of permanganate injection was warranted in order to enhance the chemical oxidation of chlorinated volatile organic compounds (CVOC's) in groundwater. In 2012 a workplan for supplemental permanganate injection was submitted, approved by DEC and DOH and implemented prior to the end of 2012.

Despite two rounds of groundwater treatment with sodium and potassium permanganate some wells completed in Area of Concern (AOC) 1 have shown persistent elevated concentrations of chlorinated organic compounds, most notably Trichloroethene (TCE). Based on a soil vapor testing program and subsequent soil borings and soil testing a soil removal program to target sources of residual TCE was devised and implemented in late 2018. That soil removal program is described in section 3.0 of this report.

2.0 SITE OVERVIEW

Pass and Seymour entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in March 2005 to investigate and remediate an 18.07 acre property located in the Village of Solvay, Onondaga County, New York. The site was issued a Certificate of Completion (COC) in December 2010.

As required by the Certificate of Completion the site must be monitored and maintained in accordance with the Site Management Plan finalized in November 2010.

The purpose of the Site Management Plan is to describe the methodologies for monitoring and maintaining the site as required, demonstrating that institutional and engineering controls are being maintained and that groundwater contamination on-site is continuing to respond to the implementation of in-situ chemical oxidation in three Areas of Concern.

This Periodic Review Report is intended to report on the Monitoring and Maintenance of the site that has occurred since March 2018 when the last Periodic Review Report was submitted. This PRR also includes a section (3.0) that describes that excavation and removal of impacted soil from a portion of AOC-1.

3.0 CONSTRUCTION COMPLETION: SOIL REMOVAL FROM AOC-1

Two rounds of permanganate injection at this site have reduced concentrations of TCE and related compounds in many of the groundwater monitoring wells. Nevertheless elevated concentrations of TCE have persisted in some AOC-1 bedrock wells most notably wells OW1-1, OW1-2, OW1-3 and BR09-37. It seemed likely that there was a source of TCE contamination in AOC-1 that caused a rebound in TCE concentrations in groundwater. A series of investigations and subsequent soil removal were used to address the problem of groundwater impact in AOC-1.

3.1 SOIL VAPOR TESTING, SOIL BORINGS AND SOIL REMOVAL WORKPLAN

A soil vapor testing program was undertaken to identify high concentrations of TCE (and related compounds) within AOC-1. The results of that testing was reported upon in a report dated Dec 2, 2016. The results of soil vapor testing were used to identify possible hotspots and a soil boring program was implemented to gather analytical data on TCE impact in unconsolidated material. The results of soil borings were reported on November 29, 2017.

Soil boring results were used to focus attention on two locations within AOC-1. For purposes of planning those two locations were described as SB-11 and SB-12 (Figure 4). It should be noted that the depiction of locations shown on Figure 4 are approximate. Precise locations of soil borings, monitoring wells and soil vapor sampling locations have been established based on a legal survey and tape and compass surveys.

As described in the soil removal workplan excavation was planned to focus on two locations; the location of Soil Boring SB-11 and the location of SB-12. Excavation in each location was to proceed laterally until volatile Organic Carbon readings as reflected on a photoionization detector were less than 10PPM. The depth of each excavation was planned to be the depth of unweathered bedrock.

3.2 EXCAVATION OF SOIL AT SB-11 AND SB-12

As described in the workplan excavation was centered in two locations: SB-11 and SB-12.

SB-11

Excavation at SB-11 began on September 12, 2018, continued on September 13 and then was completed on November 27, 2018. The total area excavated was 20 feet east of the former manufacturing foundation, about 20 feet south and about 30 feet north of the SB-11 location. As shown in the attached photos the excavation revealed a number of buried pipes and structures. There was a distribution type structure located about 5 feet below ground surface and about 10 feet from the foundation wall.

That structure had a ceramic pipe running north-south into and out of it. PID readings were not elevated in or around the ceramic pipe uphill (south) of the structure. A second (iron) pipe ran under the structure and on a northwest angle under the former manufacturing building. The ceramic pipe ran due north directly toward OW1-2. It should be noted that the workplan figure erroneously shows SB-11 slightly north of OW1-2 but it is actually 5 feet from the foundation and 5 feet to the south of OW1-2. Well OW1-2 was completely removed during the excavation of soil from this area. A second structure was exposed near the foundation wall close to where the iron pipe ran under the foundation. At its maximum extent the excavation extended about 50 feet north-south and 20 feet east of the foundation. The depth of the excavation was about 12 feet and PID readings indicated no elevated readings on the bottom, south east and northeast sides. PID readings along the west, northwest and north sides indicated the presence of elevated concentrations of VOC's. In concurrence with Mr. Michael Belveg, DEC project manager, it was decided to take soil samples from the west, northwest and north sides of the excavation. The results of that sampling are attached and showed somewhat elevated TCE concentrations on the west and northwest sides and higher concentrations on the north side. A total of 35 tons of impacted material was removed from this excavation and placed in two lined roll offs for off-site disposal. Covers were placed over each roll off.

On November 27 equipment was remobilized to excavate material on the north side of the excavation that exceeded the 10PPM action level reading on the PID. It was found that the ceramic pipe terminated within a few feet of the excavation and no soil was found to have actionable PID readings.

The excavation was backfilled with material that was not above the action level. To the extent that excess material was necessary for backfill, clean fill was also used and a geotextile demarcation layer reestablished followed by a foot of clean crushed stone.

SB-12

SB-12 was located exactly 40 feet due north of monitoring well BR09-37. Borings SB-13 and SB-15 were located 5 feet due west and 5 feet due north of SB-12, respectively. The procedure described in the excavation workplan was to excavate at the location of SB-12 and excavate vertically until unweathered bedrock was encountered and laterally to include the locations of SB-13 and SB-15. Excavation at SB-12 was done on September 13. No material was encountered that exceeded the action level of 10PPM PID reading. In order to make sure that impacted soil material was not left behind at this location the excavation was expanded to include (and remove) monitoring wells MW05-02 and OW1-3. The excavation was expanded to about 15 south of SB-12 and was approximately 25 feet in diameter. Unweathered bedrock was encountered at about 8 feet below ground surface. Mr. Michael Belveg, DEC project manager, was on site during much of the excavation at SB-12 and concurred with the approach to enlarge the excavation in order to make sure that impacted soil was not left in the overburden in this location.

No soil was encountered at this location that exceeded the action level of a 10PPM PID reading. All of the soil excavated was backfilled and a geotextile demarcation layer was replaced wherever it had been removed. A foot of clean crushed stone was replaced above the demarcation layer.

3.3 DISPOSAL OF IMPACTED SOIL

A total of 35 tons of material was removed from SB-11, collected in two roll off containers and shipped to the Englobe bioremediation Facility in Montreal Canada (see attached Manifests). The material was approved for disposal based on waste characterization results and acceptable levels of PFA's (see attached analytical results).

4.0 EVALUATION OF CHEMICAL OXIDATION FOR GROUNDWATER AND GROUNDWATER MONITORING STATUS

As described in the Final Engineering Report, the remedial action was primarily focused on In-situ Chemical Oxidation (ISCO). Injection took place in three groundwater Areas of Concern: AOC-1 Overburden (AOC-1 O.B.), AOC-1 Bedrock (AOC-1 B.R.), and AOC-2. In addition injection was completed in wells BR 10-46 and BR 10-47 (10-46, 47) to address a zone of impact lying between AOC-1 and AOC-2.

4.1 SUMMARY OF ISCO PROCEDURE

The first phase of ISCO was carried out through a series of injections of potassium permanganate solution with a total of 144,461 gallons of permanganate injected in the two areas of concern.

The second phase of ISCO injection was completed in November of 2012 in accordance with a workplan approved by NYSDEC and NYSDOH and described in a summary report completed in January, 2013. The second phase of ISCO was completed using sodium permanganate instead of potassium permanganate which allowed for the use of a much smaller fluid volume in much higher concentrations. A total of 8933 gallons of permanganate solution was injected into the two areas of concern.

4.2 AOC-1 OVERBURDEN (AOC-1 O.B.)

As discussed in previous Periodic Review Reports AOC-1 overburden is not continuously saturated. As stated in a May 15, 2017 letter from Michael Belveg of NYSDEC, the six AOC-1 overburden wells were to be sampled in the first and third quarter of 2018 and if any of them continued to be too dry to sample they could be decommissioned. Well MW05-02 has been too dry to sample for a number of years and it was destroyed and removed during the excavation of the SB-12 area. Of the remaining five wells in AOC-1 overburden only MW05-10 has had enough water to sample. Well MW05-10 is about fifty feet east of well OW1-1 and the depth of completion of MW05-10 is only about four feet less than OW1-1, with OW1-1 being closer to the apparent area of impact. It is recommended that sampling in MW05-10 be discontinued and that this well be decommissioned along with the other AOC-1 overburden wells.

4.3 AOC-1 BEDROCK

Historic release from past industrial activities resulted in the highest concentration of TCE impact observed in on-site groundwater within AOC-1 Bedrock. Wells monitored quarterly for ISCO effectiveness in AOC-1 bedrock include OW 1-1, OW 1-2, OW 1-3, OW 1-4, BR09-37, BR09-39, BR 10-46 and BR 10-47. The

highest concentrations observed prior to ISCO implementation were in wells BR09-37 (78,000ppb) OW1-2 (48,000ppb) OW1-1 (2,700 ppb) and OW1-3 (2,700 ppb). The data gathered during the Remedial Investigation and Remedial Design phases of the BCP project indicated that these highest concentrations remain in a relatively limited zone the lateral boundaries of which appear to have been reduced over time. Monitoring wells BR08-33 and BR-8-34 sampling results indicate no detections of any CVOC's in a zone that is off site and hydraulically downgradient from the impacted zone in AOC-1. TCE concentrations for wells BR10-46 and BR10-47 prior to ISCO injection were 9500 and 6500ppb respectively.

As discussed in section 3.0 of this report two excavations were done within AOC-1. In area SB-12 an area with a diameter of 20-30 feet was excavated and in the process well OW1-3 was destroyed and decommissioned. During the excavation of SB-11 an area of 20 feet by 50 feet was excavated and well OW1-2 was destroyed and decommissioned. The excavation at SB-11 was left open from September 12 until November 27 waiting for analytical results and for final approval for disposal. During that time period all of the precipitation falling on the excavation (about a foot) infiltrated the ground underlying this area. Normally rainfall falling on this terrain would have run off rather than infiltrated. As a result some residual contamination in remaining soil was mobilized, the consequence of which was a very significant elevation of TCE concentrations in well BR09-37 during the fourth quarter. It is difficult to predict how long it will take for BR09-37 to recover.

The removal of soil from AOC-1 was a significant reduction in the amount of solvent that was an ongoing source of groundwater contamination. In order to provide a rough estimate of how much TCE was removed, using a value of 1250 mg/kg of TCE in soil, based on an average of the three confirmatory samples, and the 35 tons of material sent for treatment, roughly 85 pounds of TCE was removed from the subsurface in the SB-11 location.

4.4 AOC-2

In AOC-2 five observation wells screened in the overburden till/weathered shale unit are used to monitor ISCO effectiveness: IW2-1, IW2-3, OW2-2, OB09-36, and OB09-38.

Pre-ISCO TCE concentrations were observed in these five wells of 3900, 6000, 1200, 149 and 49 respectively. As discussed in the 2012 PRR significant reductions in contaminant mass were observed in AOC-2 after the initial permanganate injection. Nevertheless it was decided that a second phase of permanganate injection was warranted which was completed in November of 2012.

For the most part these wells continue to reflect very significant reductions in TCE concentrations compared with Pre-ISCO concentrations. However well IW2-1 has shown some rebound in TCE concentrations over the last year, in contrast with previous years.

4.5 LANDFILL MONITORING WELLS

Two wells were installed during the completion of the Pass and Seymour Remedial Investigation to measure concentrations of Perchloroethene (PCE), TCE and DCE. These two wells are MW05-21 and BR07-31 and are installed within the footprint of the historic landfill in the western portion of the site (Figure One). Unlike the pattern of contamination across the rest of the site the highest concentrations of CVOC's in these wells are PCE with lesser concentrations of TCE and DCE. Over the last several years the PCE concentration in MW05-21 has varied between about 10 and 50 with the annual lows occurring in the first quarter and the annual highs often occurring in the third quarter. Over the last several years well BR07-31 has had PCE concentrations in the same range as MW05-21 and with the same pattern of seasonal variation in concentrations. These concentrations for CVOC's are stable but variable within these ranges of values and show a slight decline over time.

5.0 INSTITUTIONAL / ENGINEERING CONTROLS

As described in the approved Site Management Plan (November 2010), the site is subject to both institutional controls and engineering controls in order to avoid potential future uses that could allow for human health exposure to site contamination.

5.1 INSTITUTIONAL CONTROLS

The Environmental Easement for this site and the Certificate of Completion limit the use of this site to commercial use. While the site has been used historically for industrial activities, the current use has been and continues to be of a commercial nature. This use has not changed since the Certificate of Completion was issued.

5.2 ENGINEERING CONTROLS

Two forms of engineering controls were put in place at the Pass and Seymour site: a soil cover system and a subslab depressurization system.

5.2.1 ENGINEERING COVER SYSTEM

The engineering cover system (Figure 2) is comprised of (1) pre-existing cover of asphalt pavement or concrete and (2) constructed soil cover. During the excavation of soil in areas SB-11 and SB-12 the engineered cover system was removed but after excavation was complete the demarcation layer was reestablished and the crushed stone surface layer was replaced. Much of the western portion of the site (former building slabs) is also fenced and that fence has been maintained.

There is persistent vegetative growth over much of the western portion of the site particularly the former location of the manufacturing building. Pass and Seymour has conducted an aggressive program of woody vegetation removal and has retained a licensed herbicide applicator to further control vegetative growth. The herbicides used have short half-lives and have been demonstrated not to significantly migrate.

As previously noted Pass and Seymour has constructed a solar array on an area of lawn south of the existing office building. This is an area that did not include engineering controls. The solar panels sit on a base of crushed stone over geotextile.

5.2.2 SUBSLAB DEPRESSURIZATION SYSTEM (SSDS)

As described in the Final Engineering Report and the Site Management Plan, a subslab depressurization system was installed to prevent the migration of volatile organics from the subsurface to the occupied Pass and Seymour building. Pass and Seymour personnel have implemented a periodic (at least monthly) inspection of the two manometers and one pressure gauge that demonstrate that adequate vacuum is being applied at each suction point. The following table (Table 4) shows the monthly readings from each gauge.

TABLE 4: Monthly Subslab Depressurization System Pressure Gauge Readings (Inches of W.C.)

Reading Date	S1 (Lab)	S2 (Northside)	S3 (East)
01/2018	4	5	2.4
02/2018	5	5	2.2
03/2018	3.9	5	2.3
04/2018	3.9	5	4
05/2018	4	4	3
06/2018	4	4	3.2
07/2018	3.6	3.8	3.3
08/2018	3.9	3.9	2.9
09/2018	3.7	3.7	2.4
10/2018	3.6	3.6	2.4
11/2018	3.6	3.5	2.6
12/2018	3	3.2	2.7

It should be noted that the reported readings are negative pressure, or vacuum readings. The minimum vacuum required is -.002 WC (inches of water) as compared with the lowest reported reading of -2.2 WC.

The piping, connections and blowers were inspected and the system is in good working order. No equipment repairs are needed at this time.

5.3 EXCAVATION WORKPLAN

An excavation workplan was included as an attachment to the approved SMP. The primary purpose of the excavation workplan is to serve as a guide for any activities that cause a disturbance of the subsurface in any area within the Brownfield site boundaries. Areas where the engineering control was in place were excavated in locations SB-11 and SB-12. Those excavations were backfilled with excavated material, clean fill, the demarcation layer was replaced and the engineering cover reestablished.

In order to make sure that the SMP and its attachments are followed closely, a brief checklist has been produced for use by Pass and Seymour personnel and their contractors. The purpose of the checklist is to provide site personnel with a short list of important steps to be followed as necessary to maintain compliance with the SMP. A copy of that checklist is attached.

6.0 MONITORING PLAN COMPLIANCE REPORT

6.1 GROUNDWATER MONITORING

The quarterly groundwater monitoring has been completed in compliance with the Site Management Plan, and the results presented in quarterly reports and the trends described in section 4.0 of this report. One of the AOC-1 overburden wells (MW05-02) was removed during the excavation of soil along with two of the AOC-1 bedrock wells (OW1-2 and OW1-3). Four of the remaining five AOC-1 overburden wells will be decommissioned this year and it is recommended that MW05-10 also be decommissioned.

6.2 SSDS MONITORING

As noted in previous sections the SSDS system has been inspected regularly. The system is in good condition and operating properly. The pressure measurements at all three points are satisfactory.

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7.0 OPERATIONS AND MAINTENANCE

As described in the Site Management Plan the operations and maintenance tasks relate to the subslab depressurization system.

As discussed in section 5.2.2 Pass and Seymour personnel are responsible for taking monthly pressure readings of the three suction points and periodically inspecting the piping and blower. All systems are operating properly.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the observations and measurements taken since the Certificate of Completion, the following conclusions and recommendations are offered.

8.1 SSDS SYSTEM PERFORMANCE

Based on inspections and measurements this system appears to be operating properly. On-going pressure gauge readings will continue.

8.2 ENGINEERING AND INSTITUTIONAL CONTROLS

Institutional controls (use restrictions) continue to be maintained. Engineering controls that were disturbed during soil removal have been replaced. Vegetation removal will continue to be done at least annually. A licensed herbicide applicator is controlling vegetative growth as needed.

8.3 GROUNDWATER QUALITY

Three Areas of Concern, plus groundwater wells in the former landfill area have been monitored in conformance with the SMP and as modified in accordance with NYSDEC directives..

The following conclusions and recommendations are provided based on the data included in section 3.0.

- Western landfill. The groundwater quality reflects relatively minor exceedances of Groundwater standards, for PCE, TCE and DCE. Concentrations of CVOC's in both Well MW 05-21 and BR07-31 have remained relatively stable or declined. It is suggested that monitoring of these wells be reduced to once a year.
- AOC-1 Overburden. All of these wells with the exception of MW05-10 have been too dry to sample. Well MW05-02 was destroyed and removed during soil excavation. It is suggested that all of the AOC-1 overburden wells be decommissioned.
- AOC-1 B.R. including BR 10-46 and BR 10-47

  Two phases of permanganate injection have been completed with the majority of the oxidant targeting AOC-1 bedrock plus BR 10-46 and 47. Concentrations of TCE and related compounds have rebounded in portions of AOC-1 bedrock, particularly related to wells OW1-1, OW1-2, OW1-3 and BR09-37. As described in section 3.0 of this report an extensive amount of excavation was done within AOC-1 to find and remove impacted soil. Approximately 35 tons of impacted material was removed from the SB-11 area and disposed of at a treatment facility. Soil removal resulted in the destruction of wells OW1-2 and OW1-3. The excavation at SB-11 was a 1000 square feet hole in the ground that was kept open for two and one half months. During that time period over a foot of precipitation fell and all of it that fell on the open excavation infiltrated the subsurface instead of running off. The result of this was a large increase in TCE concentrations in BR09-37 just downhill (downgradient) of the excavation. It is

difficult to estimate how long it will take for concentrations on BR09-37 to decline and whether any other wells will react to the increased recharge that occurred due to the open excavation.

- AOC-2

The wells in AOC-2 have generally declined very significantly in response to the injection of permanganate. However well IW2-1 has shown a rebound in TCE concentrations over the last year. The performance of this well will indicate whether the increase in concentrations is maintained.

SUGGESTED 2019 GROUNDWATER MONITORING

Five of the six wells in AOC-1 overburden have continued to be too dry to sample and will be decommissioned. It is recommended that the sixth well MW 05-10 also be decommissioned since there is another well OW1-1 that is closer to the apparent source of impact and is only slightly deeper than MW-5-10. It is suggested that the landfill monitoring wells plus AOC-2 wells OW2-2, OB09-36 and OB09-38 be sampled once annually along with wells BR07-32, BR08-33, BR08-34 and BR08-35. The remaining wells would be monitored semiannually.

FIGURES

Legend:

MW05-26

Location and Identification of monitoring well sampled as part of post-ISCO monitoring

Location and Identification of monitoring well not sampled as part of post-ISCO monitoring

Sample ID	
	Date Sampled
Analyte	Concentration (ug/L)

Analytical results of Chlorinated VOCs in groundwater
Heavy outline indicates concentration exceeds Class GA Groundwater Standards

PCE - Tetrachloroethene
TCE - Trichloroethene
cis-DCE - cis-1,2-Dichloroethene
1,1,1-TCA - 1,1,1-Trichloroethane
ND - Analyzed for but not detected above laboratory detection limits
NS - Not sampled as part of this sampling event
WD - Well decommissioned

BR07-32, BR08-33, BR08-34, and BR08-35 are sampled annually during the 3rd quarter

BR10-46	Pre-ISCO	Dec-18
PCE	ND	ND
TCE	9500	4500
cis-DCE	560	520

BR10-47	Pre-ISCO	Dec-18
PCE	ND	ND
TCE	6500	2300
cis-DCE	290	230

BR08-35	Pre-ISCO	Dec-18
CVOCs		NS

BR08-34	Pre-ISCO	Dec-18
CVOCs		NS

BR08-33	Pre-ISCO	Dec-18
CVOCs		NS

OW1-3	Pre-ISCO	Dec-18
PCE		WD
TCE	2,700	WD
cis-DCE	190	WD

OB09-36	Pre-ISCO	Dec-18
TCE	140	17
cis-DCE	12	ND

OW2-2	Pre-ISCO	Dec-18
TCE	1,200	7.9
cis-DCE	140	1.8

MW05-02	Pre-ISCO	Dec-18
TCE	220	WD
cis-DCE	1.5	WD

OW1-4	Pre-ISCO	Dec-18
TCE	320	260
cis-DCE	13	9.6

IW2-3	Pre-ISCO	Dec-18
TCE	6,000	55
cis-DCE	370	5.1

MW05-04	Pre-ISCO	Dec-18
TCE	98	NS

MW05-05	Pre-ISCO	Dec-18
TCE	130	NS
cis-DCE	17	NS

BR09-39	Pre-ISCO	Dec-18
PCE	ND	5.2J
TCE	290	340
cis-DCE	12	32

IW2-1	Pre-ISCO	Dec-18
PCE		ND
TCE	3,900	1100
cis-DCE	210	180

OB09-38	Pre-ISCO	Dec-18
TCE	49	110
cis-DCE	8	97

BR07-31	Pre-ISCO	Dec-18
PCE		31
TCE		74
cis-DCE		14

MW05-21	Pre-ISCO	Dec-18
PCE		NS
TCE		NS
cis-DCE		NS

OW1-2	Pre-ISCO	Dec-18
PCE	440	WD
TCE	49,000	WD
cis-DCE	4,800	WD

MW05-11	Pre-ISCO	Dec-18
PCE	6.5	NS
TCE	330	NS
cis-DCE	11	NS

OW1-1	Pre-ISCO	Dec-18
PCE	34	2.0J
TCE	2,700	150
cis-DCE	470	10

MW05-10	Pre-ISCO	Dec-18
TCE	180	NS
cis-DCE	35	NS

BR09-37	Pre-ISCO	Dec-18
PCE		ND
TCE	78,000	120,000
cis-DCE	ND	7900

MW05-03	Pre-ISCO	Dec-18
PCE	ND	NS
TCE	250	NS
cis-DCE	10	NS

BR07-32	Pre-ISCO	Dec-18
TCE		NS

HEAVY BRUSH AND WOODS

OFFICE BUILDING

CONCRETE SLAB & FOUNDATIONS

Paved Parking Area

BOYD AVE.

CON RAIL (Auburn Branch)

SCALE IN FEET
27.5 0 55 110

SURVEY NOTE
BASED ON A FIGURE PREPARED BY SSA/REDEVELOPMENT OF NORTH AMERICA DECEMBER 2011
THE BOUNDARY AND TOPOGRAPHIC MAPPING OF THIS SURVEY WAS PERFORMED BY DAVID M. HAVENS, L.S. 47491, LAST REVISED BY HAVENS ON JUNE 22, 1994.
DATUM CORRECTIONS AND MONITORING WELL LOCATIONS BY BRYANT ASSOCIATES, P.C. ARE AS SURVEYED ON NOVEMBER 8, 2005, and January 7, 2010.

DW Stoner & Associates LLC

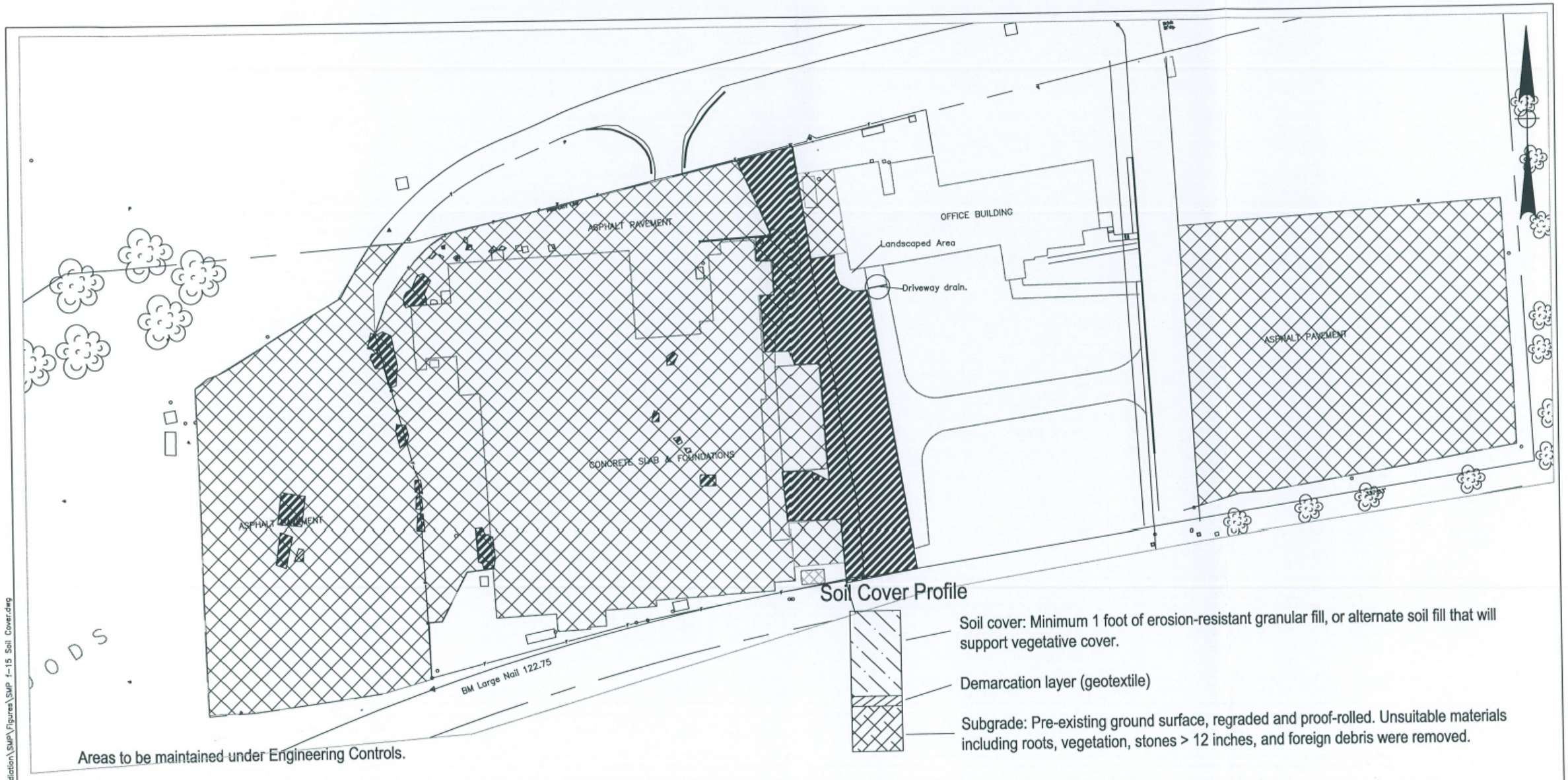
Manlius, New York

DATE: 03/03/2019 JOB No: 1230

Pass & Seymour, Inc./Boyd Avenue
50 Boyd Avenue
Solvay, New York
Post-ISCO Groundwater Monitoring

Figure 1 – Analytical Results for Chlorinated VOCs in Groundwater

X-REF: NAMES?
11/Apr/Syr/Jem
J:\PROJECTS\N=xxxx\N1100\N1103 - Pass & Seymour OM&M\4th Quarter 2011 - Phase\FW Results.dwg



Areas to be maintained under Engineering Controls.

Existing cover material (asphalt pavement, concrete, crushed stone, etc.) to be maintained as an Engineering Control (~250,000 sqft)

Constructed one foot soil cover as an Engineering Control (~ 23,000 sqft)

Based on a figure prepared by S&W Redevelopment of North America, December 2011

SURVEY NOTE:
THE BOUNDARY AND TOPOGRAPHIC MAPPING OF THIS SURVEY WAS PERFORMED BY DAVID W. HANNIG, L.S. 47411, LAST REVISED BY HANNIG ON JUNE 22, 1994.

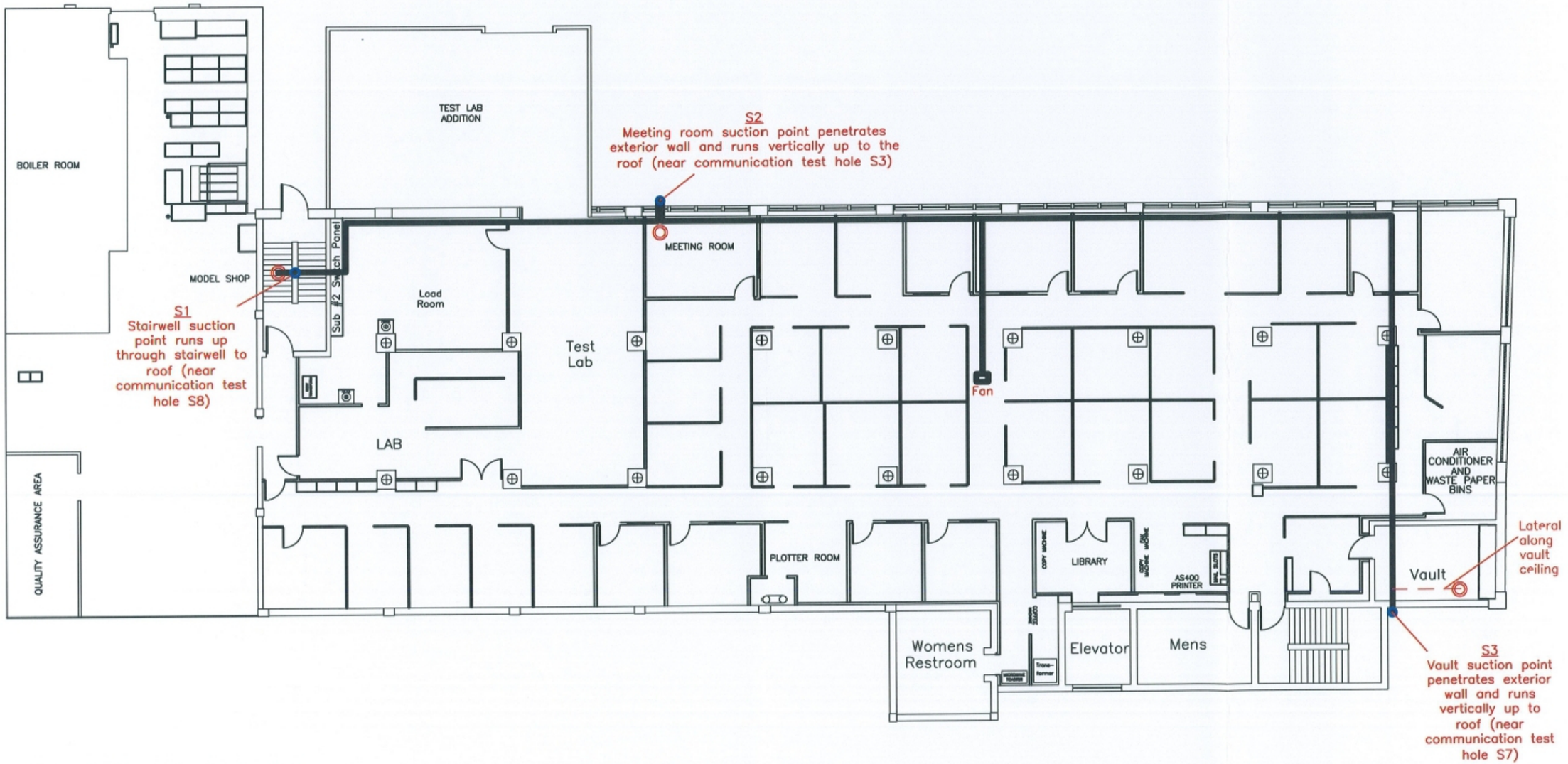
DATUM CORRECTIONS AND MONITORING WELL LOCATIONS BY BRYANT ASSOCIATES, P.C. ARE AS SURVEYED ON NOVEMBER 8, 2005.

SCALE in FEET

44 0 44 88 132

DW Stoner & Associates LLC Manlius, New York DATE: 3/03/2019 JOB No: 1230	Periodic Review Report 2013 (BCP Site # C734102) Pass and Seymour, Inc. 50 Boyd Avenue Solvay, New York Figure 2 Engineering Soil Cover

X-REF: NAMES?
06/Jan/Syr/jlk
J:\PROJECTS\W-xxxx\W9000\W0911 - Pass & Seymour Remediation\SMP\Figures\SMP f-15 Soil Cover.dwg



Vertical piping riser to the roof

Horizontal Piping Network (on roof)

SSDS Suction Riser location (vertical pipe)

SCALE in FEET

8 0 16 32

Based on a figure prepared by S&W Redevelopment of North America, December 2011
Floor plan as provided by Pass & Seymour (2006).

DW Stoner & Associates LLC

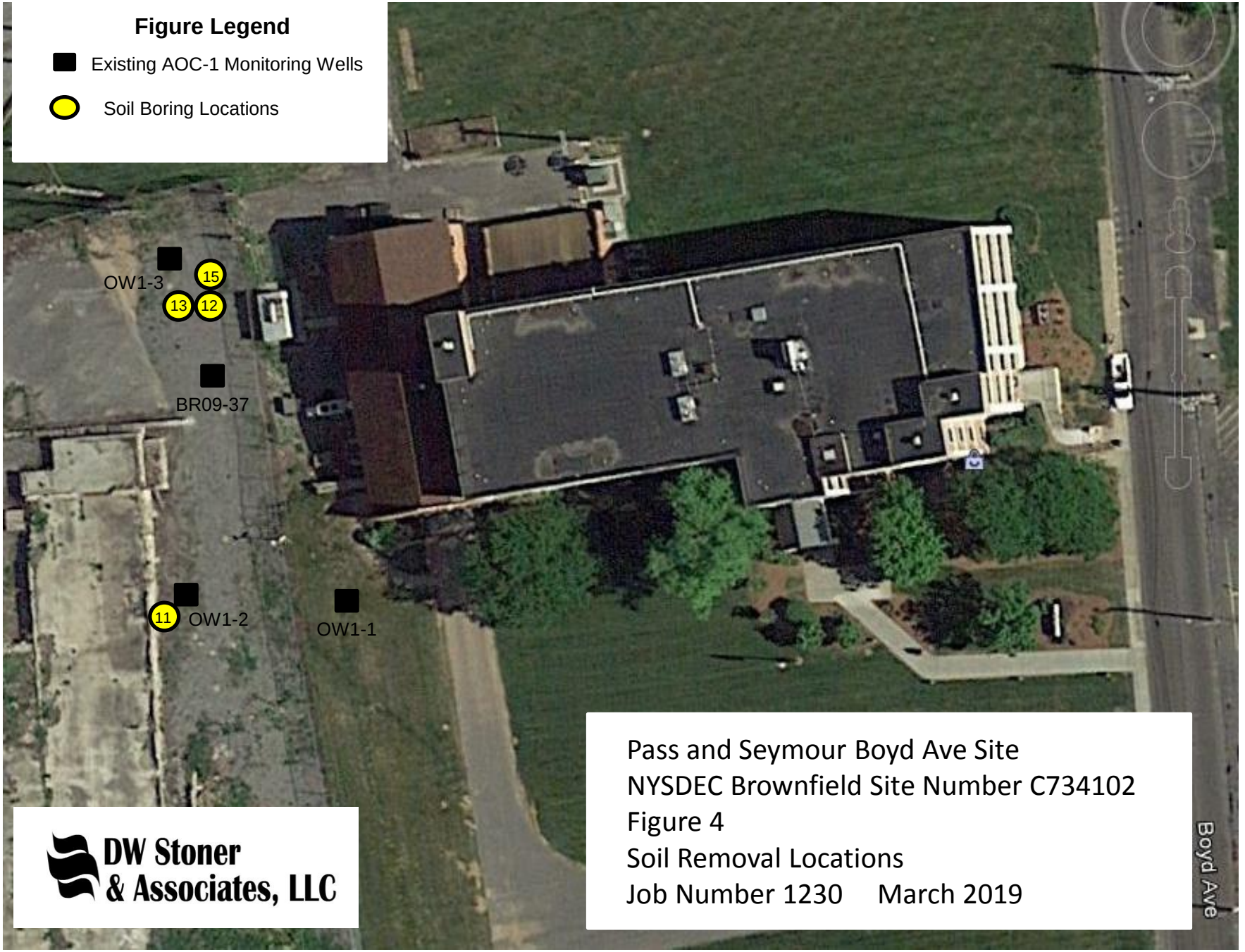
Manlius, New York

DATE: 3/03/2019 JOB No: 1230

Periodic Review Report (BCP Site # C734102)
Pass and Seymour, Inc.
50 Boyd Avenue
Solvay, New York

Figure 3
SSD System Layout

X-REF: NAMES?
2006/Mar/Syr/jlk
J:\PROJECTS\K-xxxx\K8000\K0911 - Pass & Seymour Remediation\SMP\Figures\SMPF-15.dwg



DW Stoner & Associates, LLC

Pass and Seymour Boyd Ave Site
NYSDEC Brownfield Site Number C734102
Figure 4
Soil Removal Locations
Job Number 1230 March 2019

TABLES

Table 1 Groundwater Elevations Pass and Seymour

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation	Volume (gal)
BR07-31	3/30/18	Top of PVC	410.18	9.81	20.0	400.77	1.7
	6/29/18	Top of PVC	410.18	NS	20.0	NS	NS
	9/27/18	Top of PVC	410.18	9.88	20.0	401	1.72
	12/27/18	Top of PVC	410.18	6.37	20.0	403.81	11.03
BR07-32	3/30/18	Top of PVC	426.82	NS	20	NS	NS
	6/29/18	Top of PVC	426.82	NS	20	NS	NS
	9/27/18	Top of PVC	426.82	NS	20	NS	NS
	12/27/18	Top of PVC	426.82	NS	NS	NS	NS
BR08-33	3/30/18	Top of PVC	408.11	NS	42	NS	NS
	6/29/18	Top of PVC	408.11	NS	42	NS	NS
	9/27/18	Top of PVC	408.11	11.16	42	396.95	5.41
	12/27/18	Top of PVC	408.11	NS	42	NS	NS
BR08-34	3/30/18	Top of PVC	408.96	NS	42	NS	NS
	6/29/18	Top of PVC	408.96	NS	42	NS	NS
	9/27/18	Top of PVC	408.96	12.05	42	396.91	5.26
	12/27/18	Top of PVC	408.96	NS	42	NS	NS
BR08-35	3/30/18	Top of PVC	408.35	NS	31	NS	NS
	6/29/18	Top of PVC	408.35	NS	31	NS	NS
	9/27/18	Top of PVC	408.35	11.4	31	396.95	3.67
	12/27/18	Top of PVC	408.35	NS	31	NS	NS
BR09-37	3/30/18	Top of PVC	417.85	16.66	24.28	401.19	1.2
	6/29/18	Top of PVC	417.85	21.91	24.28	395.94	0.42
	9/27/18	Top of PVC	417.85	19.72	24.28	398.13	0.81
	12/27/18	Top of PVC	417.85	17.22	24.28	400.63	1.23
BRO9-39	3/30/18	Top of PVC	424.06	19.45	30.22	404.61	1.7
	6/29/18	Top of PVC	424.06	20.24	30.22	403.82	1.58
	9/27/18	Top of PVC	424.06	19.58	30.22	404.48	2.11
	12/27/18	Top of PVC	424.06	18.47	30.22	405.55	2.3
BR10-46	3/30/18	Top of PVC	417.10	11.29	27	405.81	2.2
	6/29/18	Top of PVC	417.10	14.63	27	402.47	1.9
	9/27/18	Top of PVC	417.10	14.1	27	403	2.32
	12/27/18	Top of PVC	417.10	11.83	27	405.27	2.71
BR10-47	3/30/18	Top of PVC	416.67	11.2	28	405.47	2.7
	6/29/18	Top of PVC	416.67	14.65	28	402.02	2.18
	9/27/18	Top of PVC	416.67	14.44	28	402.23	2.3
	12/27/18	Top of PVC	416.67	11.94	28	404.73	2.73
IW2-1	3/30/18	Top of PVC	418.25	16.05	34.35	402.2	12.9
	6/29/18	Top of PVC	418.25	19.71	34.35	398.54	10.5
	9/27/18	Top of PVC	418.25	19.54	34.35	398.71	5.52

Table 1 Groundwater Elevations Pass and Seymour

	12/27/18	Top of PVC	418.25	17.18	34.35	401.17	6.33
IW2-3	3/30/18	Top of PVC	416.62	14.3	34.60	402.32	13.9
	6/29/18	Top of PVC	416.62	17.93	34.60	398.69	11.5
	9/27/18	Top of PVC	416.62	18.4	34.6	398.22	5.85
	12/27/18	Top of PVC	416.62	15.31	34.6	401.31	6.5
MW05-02	3/30/18	Top of PVC	408.83	DRY	9.92	DRY	DRY
	6/29/18	Top of PVC	408.83	NS	9.92	NS	NS
	9/27/18	Top of PVC	408.83	WD	9.92	WD	WD
	12/27/18	Top of PVC	408.83	WD	9.92	WD	WD
MW05-03	3/30/18	Top of PVC	421.42	DRY	13.05	DRY	DRY
	6/29/18	Top of PVC	421.42	NS	13.05	NS	NS
	9/27/18	Top of PVC	421.42	NS	13.05	NS	NS
	12/27/18	Top of PVC	421.42	NS	13.05	NS	NS
MW05-04	3/30/18	Top of PVC	408.45	DRY	10.70	DRY	DRY
	6/29/18	Top of PVC	408.45	NS	10.70	NS	NS
	9/27/18	Top of PVC	408.45	NS	10.7	NS	NS
	12/27/18	Top of PVC	408.45	NS	10.7	NS	NS
MW05-05	3/30/18	Top of PVC	427.82	DRY	18.0	DRY	DRY
	6/29/18	Top of PVC	427.82	NS	18.0	NS	NS
	9/27/18	Top of PVC	427.82	NS	18.0	NS	NS
	12/27/18	Top of PVC	427.82	NS	18.0	NS	NS
MW05-10	3/30/18	Top of PVC	403.89	14.84	19.25	389.05	0.7
	6/29/18	Top of PVC	403.89	NS	19.25	NS	NS
	9/27/18	Top of PVC	403.89	16.77	19.25	387.12	0.37
	12/27/18	Top of PVC	403.89	NS	19.25	NS	NS
MW05-11	3/30/18	Top of PVC	410.0	DRY	14.31	DRY	DRY
	6/29/18	Top of PVC	410.0	NS	14.31	NS	NS
	9/27/18	Top of PVC	410.0	NS	14.31	NS	NS
	12/27/18	Top of PVC	410.0	NS	14.31	NS	NS
MW05-21	3/30/18	Top of PVC	411.46	4.25	11.7	407.21	1.2
	6/29/18	Top of PVC	411.46	NS	11.7	NS	NS
	9/27/18	Top of PVC	411.46	5.29	11.7	406.17	1.14
	12/27/18	Top of PVC	411.46	NS	11.7	NS	NS
OB09-36	3/30/18	Top of PVC	414.84	13.05	33.65	401.79	3.4
	6/29/18	Top of PVC	414.84	NS	33.65	NS	NS
	9/27/18	Top of PVC	414.84	16.11	33.65	398.73	3.16
	12/27/18	Top of PVC	414.84	13.54	33.65	401.3	3.47
OB09-38	3/30/18	Top of PVC	416.68	15.1	33.38	401.58	2.9
	6/29/18	Top of PVC	416.68	NS	33.38	NS	NS
	9/27/18	Top of PVC	416.68	18.11	33.38	398.57	2.56
	12/27/18	Top of PVC	416.68	15.61	33.38	401.07	2.82
OW1-1	3/30/18	Top of PVC	421.40	14.29	23.05	407.11	2.1
	6/29/18	Top of PVC	421.40	20.93	23.05	400.47	1.12

Table 1 Groundwater Elevations Pass and Seymour

	9/27/18	Top of PVC	421.40	18.59	23.05	402.81	1.56
	12/27/18	Top of PVC	421.40	15.0	23.05	406.4	2.17
OW1-2	3/30/18	Top of PVC	421.25	17.0	28.00	404.25	1.8
	6/29/18	Top of PVC	421.25	22.37	28.00	398.88	0.43
	9/27/18	Top of PVC	421.25	WD	28.00	WD	WD
	12/27/18	Top of PVC	421.25	WD	28.0	WD	WD
OW1-3	3/30/18	Top of PVC	417.16	14.33	25.75	402.83	1.86
	6/29/18	Top of PVC	417.16	19.29	25.75	397.87	1.01
	9/27/18	Top of PVC	417.16	WD	25.75	WD	WD
	12/27/18	Top of PVC	417.16	WD	25.75	WD	WD
OW1-4	3/30/18	Top of PVC	419.90	17.0	27.97	402.9	1.8
	6/29/18	Top of PVC	419.90	21.0	27.97	398.9	1.14
	9/27/18	Top of PVC	419.90	20	27.97	399.9	1.36
	12/27/18	Top of PVC	419.90	16.0	27.97	403.5	2.04
OW2-2	3/30/18	Top of PVC	416.59	14.94	34.71	401.65	3.22
	6/29/18	Top of PVC	416.59	NS	34.71	NS	NS
	9/27/18	Top of PVC	416.59	17.68	34.71	398.91	2.60
	12/27/18	Top of PVC	416.59	15.02	34.71	401.57	3.05

DTW - Depth to Water
DOW – Depth of Well
(-) – Not measured due to presence of oil layer in well
NA – Not applicable because well was dry
NS- Not Sampled
WD- Well decommissioned

Table 2 Groundwater Field Parameters, Pass and Seymour

Monitoring Well ID	Date 2018	Time	Temp (°C)	Conductivity (mmhos/cm)	Salinity	Dissolved Oxygen (%)	pH (units)	Eh (mV)	Turbidity (NTU)	Amount Purged (gal)
BR07-31	3/30	1245	6.65	3500	2.24	0.80	6.33	125	1.9	5.0
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1125	9.96	3484	1.5	5.85	7.14	125.9	12.5	5.5
	12/27	1000	1.26	3250	1.6	7.6	7.05	166	17.6	11
BR07-32	3/30	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-33	3/30	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1335	8.11	7505	3.4	10.5	7.99	76.1	21.0	7.0
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-34	3/30	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1315	9.28	6429	3.2	9.72	7.96	126.5	7.82	7.0
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR08-35	3/30	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1225	7.83	4396	2.0	5.72	8.82	129.6	13.2	11
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
BR09-37	3/30	1520	9.68	2980	0.194	0.51	7.54	136	4.7	4.3
	6/29	1140	16.0	2866	1.82	4.21	7.37	184	3.58	1.3
	9/27	1425	8.21	2426	1.2	8.9	7.53	82.6	17.8	2.5
	12/27	1310	6.31	1889	NM	7.54	7.31	146.2	37	3.75
BR09-39	3/30	1512	11.04	1060	0.68	0.69	6.81	155	2.7	5.7
	6/29	1121	18.65	2220	1.43	13.31	7.41	160	2.4	4.75
	9/27	1400	8.41	2146	1.0	6.26	7.45	105.2	13.1	4
	12/27	1300	6.79	1201	NM	6.18	7.27	118.7	18.5	3
BR10-46	3/30	1222	8.54	2390	1.53	0.95	6.58	131	3.5	6.5
	6/29	1233	16.86	4320	2.78	6.34	7.37	187	6.45	5.75
	9/27	1100	8.12	3760	2.2	5.79	7.41	35.9	15.7	7
	12/27	1215	4.96	3421	1.9	5.28	6.27	172.8	42	5.5
BR10-47	3/30	1200	9.44	2190	1.4	0.43	6.18	119	3.7	8.5
	6/29	1220	16.23	2850	1.82	19.81	7.57	160	4.7	6.5
	9/27	1045	8.53	1958	1.2	7.22	7.68	7.9	32.5	7
	12/27	1155	5.6	1902	0.9	6.81	7.89	156	70	8.25
IW2-1	3/30	1325	9.34	1390	0.89	0.68	6.83	150	17.2	39
	6/29	1210	16.05	4500	2.89	18.21	7.11	84	4.97	32
	9/27	0930	5.89	4664	1.6	4.68	7.31	164.1	3.97	17

Table 2 Groundwater Field Parameters, Pass and Seymour

	12/27	1115	2.13	4140	2.2	8.32	7.51	165	24	19
IW2-3	3/30	1305	8.95	2080	1.33	0.72	6.73	142	4.6	42
	6/29	1205	16.31	3120	2.01	2.84	7.52	211	6.1	35
	9/27	0945	7.41	2410	2.4	4.24	7.55	135.3	74.1	18
	12/27	1115	1.86	2900	1.5	5.85	7.42	137	44.4	21
MW05-02	3/30	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
	12/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
MW05-03	3/30	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-04	3/30	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-5	3/30	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-10	3/30	1400	9.67	5970	3.76	0.86	6.83	115	46.8	2.1
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1205	8.78	4306	2.0	5.72	7.72	113.3	1536	1.25
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-11	3/30	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-21	3/30	1240	5.85	2660	1.7	0.66	6.65	153	3.9	3.6
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1110	10.7	2651	1.6	4.54	7.07	108.7	19.3	3.5
	12/27	NS	NS	NS	NS	NS	NS	NS	NS	NS
OB09-36	3/30	1345	9.26	4860	3.12	0.70	6.57	80	15.8	10.5
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1000	5.7	5015	2.2	4.17	7.55	174.9	42.7	9.5
	12/27	1030	6.05	4900	2.6	5.46	7.55	162	55.7	10.5

Table 2 Groundwater Field Parameters, Pass and Seymour

OB09-38	3/30	1335	9.39	3540	2.27	0.98	6.53	123	23.4	9
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1030	7.0	3873	2.0	7.31	7.16	30.9	22.9	8
	12/27	1140	1.64	3190	1.2	7.53	4.02	165	22	8.5
OW1-1	3/30	1412	9.48	3920	2.51	0.80	6.91	127	13.3	6.5
	6/29	1155	16.82	4310	2.77	20.58	7.54	206	4.1	3.5
	9/27	1150	9.16	4009	2.1	7.65	7.22	103.4	10.59	1.5
	12/27	1245	4.64	2681	2.0	6.99	6.91	169.1	37	3.5
OW1-2	3/30	NM	NM	NM	NM	NM	NM	NM	NM	NM
	6/29	NM	NM	NM	NM	NM	NM	NM	NM	NM
	9/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
	12/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
OW1-3	3/30	1540	8.31	2330	1.49	0.72	6.61	176	0.4	4.0
	6/29	1245	18.37	1950	1.25	11.52	7.87	198	4.1	2.0
	9/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
	12/27	WD	WD	WD	WD	WD	WD	WD	WD	WD
OW1-4	3/30	1500	10.04	1060	0.67	0.39	6.77	144	4.1	5.5
	6/29	1132	17.35	1170	0.74	18.66	7.29	169	2.6	0.75
	9/27	1410	9.81	1225	0.7	4.43	7.36	77.1	11.6	4
	12/27	1250	7.19	920	0.8	4.86	7.18	137.1	38.4	3
OW2-2	3/30	1315	9.04	3140	2.01	0.69	6.62	161	2.9	39
	6/29	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/27	1015	6.65	4074	2.1	3.83	7.36	182.9	37.2	8
	12/27	1115	2.12	2680	1.4	10.37	7.93	143	61.6	9.5

NA – Parameters not collected due to low volume OR not reported as noted in the field due to problems with field instrumentation

NS – Not Sampled due to insufficient water (well too dry)

NM – Not sampled due to presence of oil layer in well

WD- Well Decommissioned

Analytes: VOC's EPA Method 8260B	**WELL BR07-31**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	NS	ND	NS	ND	ND
1,1,2,2-Tetrachloroethane	5	NS	ND	NS	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	ND	NS	ND	ND
1,1,2-Trichloroethane	1	NS	ND	NS	MD	ND
1,1-Dichloroethane	5	NS	ND	NS	ND	ND
1,1-Dichloroethene	5	NS	ND	NS	ND	ND
1,2, 4-Trichlorobenzene	5	NS	ND	NS	ND	ND
1,2-Dibromo-3-Chloropropane	0.04	NS	ND	NS	ND	ND
1,2-Dibromoethane		NS	ND	NS	ND	ND
1,2-Dichlorobenzene	3	NS	ND	NS	ND	ND
1,2-Dichloroethane	0.6	NS	ND	NS	ND	ND
1,2 -Dichloropropane	1	NS	ND	NS	ND	ND
1,3-Dichlorobenzene	3	NS	ND	NS	ND	ND
1,4-Dichlorobenzene	3	NS	ND	NS	ND	ND
2-Butanone (MEK))	50	NS	ND	NS	ND	ND
2-Hexanone		NS	ND	NS	ND	ND
4-Methyl-2-pentanone (MIBK)		NS	ND	NS	ND	ND
Acetone	50	NS	ND	NS	3.4 J	ND
Benzene	1	NS	ND	NS	ND	ND
Bromodichloromethane	50	NS	ND	NS	ND	ND
Bromoform	50	NS	ND	NS	ND	ND
Bromomethane	5	NS	ND	NS	ND	ND
Carbon disulfide		NS	ND	NS	ND	ND
Carbon tetrachloride	5	NS	ND	NS	ND	ND
Chlorobenzene	5	NS	ND	NS	ND	ND
Chloroethane	5	NS	ND	NS	ND	ND
Chloroform	7	NS	ND	NS	ND	ND
Chloromethane		NS	ND	NS	ND	ND
cis-1,2-Dichloroethene	5	NS	2.6	NS	***20***	***14***
Cis-1,3-Dichloropropene	0.4	NS	ND	NS	ND	ND
Cyclohexane		NS	ND	NS	ND	ND
Dibromochloromethane		NS	ND	NS	ND	ND
Dichlorodifluoromethane	5	NS	ND	NS	ND	ND
Ethylbenzene	5	NS	ND	NS	ND	ND
Isoproylbenzene	5	NS	ND	NS	ND	ND
Methyl acetate		NS	ND	NS	ND	ND
Methyl tert-butyl ether	10	NS	ND	NS	ND	ND
Methylcyclohexane		NS	ND	NS	ND	ND

Methylene chloride	5	NS	ND	NS	ND	ND
Styrene	5	NS	ND	NS	ND	ND
Tetrachloroethene	5	NS	***19***	NS	***43***	***31***
Toluene	5	NS	ND	NS	ND	ND
trans-1,2-Dichloroethene	5	NS	ND	NS	ND	ND
trans-1,3-Dichloropropene	0.4	NS	ND	NS	ND	ND
Trichloroethene	5	NS	3.1	NS	***9.6***	***7.4***
Trichlorofluoromethane	5	NS	ND	NS	ND	ND
Vinyl chloride	2	NS	ND	NS	ND	ND
Xylenes, Total	5	NS	ND	NS	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	NS	ND	NS	3,300	470 J
Manganese (EPA Method 6010B)		NS	110	NS	170	140
Nitrate as N (EPA Method 9056)	10,000	NS	106,000	NS	6,900	32,400
Chemical Oxygen Demand (EPA Method 410.4)		NS	15,400 B	NS	ND	93,700 B
Total Organic Carbon (EPA Method 9060A)		NS	5,800	NS	2,000	3,000

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 – Pass & Seymour 2018 Post-ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	**WELL BR07-32**		**2018 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	NS	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	1	NS	NS	NS	NS	NS
1,1-Dichloroethane	5	NS	NS	NS	NS	NS
1,1N-Dichloroethene	5	NS	NS	NS	NS	NS
1,2, 4-Trichlorobenzene	5	NS	NS	NS	NS	NS
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	NS	NS
1,2-Dibromoethane		NS	NS	NS	NS	NS
1,2-Dichlorobenzene	3	NS	NS	NS	NS	NS
1,2-Dichloroethane	0.6	NS	NS	NS	NS	NS
1,2 -Dichloropropane	1	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	3	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	3	NS	NS	NS	NS	NS
2-Butanone (MEK))	50	NS	NS	NS	NS	NS
2-Hexanone		NS	NS	NS	NS	NS
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	NS	NS
Acetone	50	NS	NS	NS	NS	NS
Benzene	1	NS	NS	NS	NS	NS
Bromodichloromethane	50	NS	NS	NS	NS	NS
Bromoform	50	NS	NS	NS	NS	NS
Bromomethane	5	NS	NS	NS	NS	NS
Carbon disulfide		NS	NS	NS	NS	NS
Carbon tetrachloride	5	NS	NS	NS	NS	NS
Chlorobenzene	5	NS	NS	NS	NS	NS
Chloroethane	5	NS	NS	NS	NS	NS
Chloroform	7	NS	NS	NS	NS	NS
Chloromethane		NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	NS	NS	NS	NS	NS
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	NS	NS
Cyclohexane		NS	NS	NS	NS	NS
Dibromochloromethane		NS	NS	NS	NS	NS
Dichlorodifluoromethane	5	NS	NS	NS	NS	NS
Ethylbenzene	5	NS	NS	NS	NS	NS
Isoproylbenzene	5	NS	NS	NS	NS	NS
Methyl acetate		NS	NS	NS	NS	NS
Methyl tert-butyl ether	10	NS	NS	NS	NS	NS
Methylcyclohexane		NS	NS	NS	NS	NS
Methylene chloride	5	NS	NS	NS	NS	NS
Styrene	5	NS	NS	NS	NS	NS

Table 3 – Pass & Seymour 2018 Post-ISCO Groundwater Sample Analytical Results

Tetrachloroethene	5	NS	NS	NS	NS	NS
Toluene	5	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	5	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	0.4	NS	NS	NS	NS	NS
Trichloroethene	5	NS	NS	NS	NS	NS
Trichlorofluoromethane	5	NS	NS	NS	NS	NS
Vinyl chloride	2	NS	NS	NS	NS	NS
Xylenes, Total	5	NS	NS	NS	NS	NS

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	NS	NS	NS	NS	NS
Manganese (EPA Method 6010B)		NS	NS	NS	NS	NS
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	NS	NS
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	NS	NS
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	NS	NS

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL BR08-33**		**2018 1st QTR**	**2nd QTR**	**3rdQTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	NS	NS	NS	ND	NS
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloroethane	1	NS	NS	NS	ND	NS
1,1-Dichloroethane	5	NS	NS	NS	ND	NS
1,1-Dichloroethene	5	NS	NS	NS	ND	NS
1,2, 4-Trichlorobenzene	5	NS	NS	NS	ND	NS
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	ND	NS
1,2-Dibromoethane		NS	NS	NS	ND	NS
1,2-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,2-Dichloroethane	0.6	NS	NS	NS	ND	NS
1,2 -Dichloropropane	1	NS	NS	NS	ND	NS
1,3-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,4-Dichlorobenzene	3	NS	NS	NS	ND	NS
2-Butanone (MEK))	50	NS	NS	NS	ND	NS
2-Hexanone		NS	NS	NS	ND	NS
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	ND	NS
Acetone	50	NS	NS	NS	ND	NS
Benzene	1	NS	NS	NS	ND	NS
Bromodichloromethane	50	NS	NS	NS	ND	NS
Bromoform	50	NS	NS	NS	ND	NS
Bromomethane	5	NS	NS	NS	ND	NS
Carbon disulfide		NS	NS	NS	ND	NS
Carbon tetrachloride	5	NS	NS	NS	ND	NS
Chlorobenzene	5	NS	NS	NS	ND	NS
Chloroethane	5	NS	NS	NS	ND	NS
Chloroform	7	NS	NS	NS	ND	NS
Chloromethane		NS	NS	NS	ND	NS
cis-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Cyclohexane		NS	NS	NS	ND	NS
Dibromochloromethane		NS	NS	NS	ND	NS
Dichlorodifluoromethane	5	NS	NS	NS	ND	NS
Ethylbenzene	5	NS	NS	NS	ND	NS
Isoproylbenzene	5	NS	NS	NS	ND	NS
Methyl acetate		NS	NS	NS	ND	NS

Methyl tert-butyl ether	10	NS	NS	NS	ND	NS
Methylcyclohexane		NS	NS	NS	ND	NS
Methylene chloride	5	NS	NS	NS	ND	NS
Styrene	5	NS	NS	NS	ND	NS
Tetrachloroethene	5	NS	NS	NS	ND	NS
Toluene	5	NS	NS	NS	ND	NS
trans-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
trans-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Trichloroethene	5	NS	NS	NS	ND	NS
Trichlorofluoromethane	5	NS	NS	NS	ND	NS
Vinyl chloride	2	NS	NS	NS	ND	NS
Xylenes, Total	5	NS	NS	NS	ND	NS

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/19	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	NS	NS	NS	6,600	NS
Manganese (EPA Method 6010B)		NS	NS	NS	700	NS
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	NM	NS
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	ND	NS
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	770 J B	NS

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
NM-Not measured
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL BR08-34**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	NS	NS	NS	ND	NS
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloroethane	1	NS	NS	NS	ND	NS
1,1-Dichloroethane	5	NS	NS	NS	ND	NS
1,1-Dichloroethene	5	NS	NS	NS	ND	NS
1,2, 4-Trichlorobenzene	5	NS	NS	NS	ND	NS
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	ND	NS
1,2-Dibromoethane		NS	NS	NS	ND	NS
1,2-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,2-Dichloroethane	0.6	NS	NS	NS	ND	NS
1,2 -Dichloropropane	1	NS	NS	NS	ND	NS
1,3-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,4-Dichlorobenzene	3	NS	NS	NS	ND	NS
2-Butanone (MEK))	50	NS	NS	NS	ND	NS
2-Hexanone		NS	NS	NS	ND	NS
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	ND	NS
Acetone	50	NS	NS	NS	ND	NS
Benzene	1	NS	NS	NS	ND	NS
Bromodichloromethane	50	NS	NS	NS	ND	NS
Bromoform	50	NS	NS	NS	ND	NS
Bromomethane	5	NS	NS	NS	ND	NS
Carbon disulfide		NS	NS	NS	ND	NS
Carbon tetrachloride	5	NS	NS	NS	ND	NS
Chlorobenzene	5	NS	NS	NS	ND	NS
Chloroethane	5	NS	NS	NS	ND	NS
Chloroform	7	NS	NS	NS	ND	NS
Chloromethane		NS	NS	NS	ND	NS
cis-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Cyclohexane		NS	NS	NS	ND	NS
Dibromochloromethane		NS	NS	NS	ND	NS
Dichlorodifluoromethane	5	NS	NS	NS	ND	NS
Ethylbenzene	5	NS	NS	NS	ND	NS
Isoproylbenzene	5	NS	NS	NS	ND	NS
Methyl acetate		NS	NS	NS	ND	NS
Methyl tert-butyl ether	10	NS	NS	NS	ND	NS
Methylcyclohexane		NS	NS	NS	ND	NS

Methylene chloride	5	NS	NS	NS	ND	NS
Styrene	5	NS	NS	NS	ND	NS
Tetrachloroethene	5	NS	NS	NS	ND	NS
Toluene	5	NS	NS	NS	ND	NS
trans-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
trans-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Trichloroethene	5	NS	NS	NS	ND	NS
Trichlorofluoromethane	5	NS	NS	NS	ND	NS
Vinyl chloride	2	NS	NS	NS	ND	NS
Xylenes, Total	5	NS	NS	NS	ND	NS

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	NS	NS	NS	21 J	NS
Manganese (EPA Method 6010B)		NS	NS	NS	260	NS
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	370	NS
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	ND	NS
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	ND	NS

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL BR08-35**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	NS	NS	NS	ND	NS
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	ND	NS
1,1,2-Trichloroethane	1	NS	NS	NS	ND	NS
1,1-Dichloroethane	5	NS	NS	NS	ND	NS
1,1-Dichloroethene	5	NS	NS	NS	ND	NS
1,2, 4-Trichlorobenzene	5	NS	NS	NS	ND	NS
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	ND	NS
1,2-Dibromoethane		NS	NS	NS	ND	NS
1,2-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,2-Dichloroethane	0.6	NS	NS	NS	ND	NS
1,2 -Dichloropropane	1	NS	NS	NS	ND	NS
1,3-Dichlorobenzene	3	NS	NS	NS	ND	NS
1,4-Dichlorobenzene	3	NS	NS	NS	ND	NS
2-Butanone (MEK))	50	NS	NS	NS	ND	NS
2-Hexanone		NS	NS	NS	ND	NS
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	ND	NS
Acetone	50	NS	NS	NS	ND	NS
Benzene	1	NS	NS	NS	ND	NS
Bromodichloromethane	50	NS	NS	NS	ND	NS
Bromoform	50	NS	NS	NS	ND	NS
Bromomethane	5	NS	NS	NS	ND	NS
Carbon disulfide		NS	NS	NS	ND	NS
Carbon tetrachloride	5	NS	NS	NS	ND	NS
Chlorobenzene	5	NS	NS	NS	ND	NS
Chloroethane	5	NS	NS	NS	ND	NS
Chloroform	7	NS	NS	NS	ND	NS
Chloromethane		NS	NS	NS	ND	NS
cis-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Cyclohexane		NS	NS	NS	ND	NS
Dibromochloromethane		NS	NS	NS	ND	NS
Dichlorodifluoromethane	5	NS	NS	NS	ND	NS
Ethylbenzene	5	NS	NS	NS	ND	NS
Isoproylbenzene	5	NS	NS	NS	ND	NS
Methyl acetate		NS	NS	NS	ND	NS
Methyl tert-butyl ether	10	NS	NS	NS	ND	NS
Methylcyclohexane		NS	NS	NS	ND	NS

Methylene chloride	5	NS	NS	NS	ND	NS
Styrene	5	NS	NS	NS	ND	NS
Tetrachloroethene	5	NS	NS	NS	ND	NS
Toluene	5	NS	NS	NS	ND	NS
trans-1,2-Dichloroethene	5	NS	NS	NS	ND	NS
trans-1,3-Dichloropropene	0.4	NS	NS	NS	ND	NS
Trichloroethene	5	NS	NS	NS	ND	NS
Trichlorofluoromethane	5	NS	NS	NS	ND	NS
Vinyl chloride	2	NS	NS	NS	ND	NS
Xylenes, Total	5	NS	NS	NS	ND	NS

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	NS	NS	NS	490	NS
Manganese (EPA Method 6010B)		NS	NS	NS	170	NS
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	530	NS
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	ND	NS
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	ND	NS

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL BR09-37**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
D1,1,2-Trichloro-1,ND2,2trifluoroethane	5		ND	ND	ND	ND
ND1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.06	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	**ND**	***1,400***	***1,900***	***5,800***	***7,900***
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isoproylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	***5***	***7,800***	***24,000***	***47,000***	***72,000***	***120,000***
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	17,000	360	1,900	2,600	1,300
Manganese (EPA Method 6010B)		NS	210	1,400 B	1,700	550
Nitrate as N (EPA Method 9056)	10,000	2,100	210	1,500	1,200	1,900
Chemical Oxygen Demand (EPA Method 410.4)		9,400	ND	26,800 B	6,000 J	34,500 B
Total Organic Carbon (EPA Method 9060A)	NS	ND	770 J B	1,800 B	1,400 B	2,100

All values reported as ug/L
B – Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
F1 – MS and/or MSD Recovery is outside acceptable limits
F2 – MS/MSD exceeds control limits

Analytes: VOC's EPA Method 8260B	**WELL BR09-39**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	.63 J	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	***12***	***7.2***	***55***	***32***	***32***
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isoproylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND
Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND

Methylene chloride	5	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	2.2	8.0	***5.0 J***	***5.2 J***
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	***5***	***290***	***87***	***590***	***350***	***340***
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	132	21 J	66	40 J	220
Manganese (EPA Method 6010B)			ND	11 B	11	37
Nitrate as N (EPA Method 9056)	10,000	10,400	4,500	3,700	4,100	5,200
Chemical Oxygen Demand (EPA Method 410.4)		4,300	ND	12,900 B	ND	18,700 B
Total Organic Carbon (EPA Method 9060A)		ND	910 J B	1,100 B	650 J B	1,500

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS- Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
F1-MS and/or MSD Recovery exceeds the control limits

Analytes: VOC's EPA Method 8260B	**WELL BR10-46**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5		ND	***24***	ND	ND
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1		ND	ND	ND	ND
1,1-Dichloroethane	5		ND	4.8 J	ND	ND F 1
1,1-Dichloroethene	5		ND	***7.7 J***	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.6		ND	ND	ND	ND
1,2 -Dichloropropane	1		ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50		ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)			ND	ND	ND	ND
Acetone	50		ND	ND	ND	ND
Benzene	1		ND	ND	ND	ND
Bromodichloromethane	50		ND	ND	ND	ND
Bromoform	50		ND	ND	ND	ND
Bromomethane	5		ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5		ND	ND	ND	ND
Chlorobenzene	5		ND	ND	ND	ND
Chloroethane	5		ND	ND	ND	ND
Chloroform	7		ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND F 1
cis-1,2-Dichloroethene	5		***45***	***720***	***260***	520
cis-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5		ND	ND	ND	ND
Isoproylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5		ND	ND	ND	ND
Styrene	5		ND	ND	ND	ND
Tetrachloroethene	5		ND	***7.1 J***	ND	ND
Toluene	5		ND	ND	ND	ND
trans-1,2-Dichloroethene	5		ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Trichloroethene	***5***		***200***	***6,100***	***3,100***	***4,500***
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2		ND	ND	ND	ND
Xylenes, Total	5		ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300		750	3,100	490	1,200
Manganese (EPA Method 6010B)			580	1,800 B	500	950
Nitrate as N (EPA Method 9056)	10,000		430	2,100	2,100	3,000
Chemical Oxygen Demand (EPA Method 410.4)			13,500	17.900 B	ND	17,700 B
Total Organic Carbon (EPA Method 9060A)			3,700 B	1,400 B	11,800 B	2,000

All values reported as ug/L
B- Compound was found in blank and sample
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS- Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
F 1 –MS added and/or MSD Recovery is outside acceptance limits

Analytes: VOC's EPA Method 8260B	**WELL BR10-47**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5		ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1		ND	ND	ND	ND
1,1-Dichloroethane	5		ND	ND	ND	ND
1,1-Dichloroethene	5		ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.6		ND	ND	ND	ND
1,2 -Dichloropropane	1		ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50		ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)			ND	ND	ND	ND
Acetone	50		ND	ND	ND	ND
Benzene	1		ND	ND	ND	ND
Bromodichloromethane	50		ND	ND	ND	ND
Bromoform	50		ND	ND	ND	ND
Bromomethane	5		ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5		ND	ND	ND	ND
Chlorobenzene	5		ND	ND	ND	ND
Chloroethane	5		ND	ND	ND	ND
Chloroform	7		ND	ND	8.3 J	ND
Chloromethane			ND	ND	ND	ND
cis-1,2-Dichloroethene	5		***12***	***5.9***	***97***	***230***
cis-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5		ND	ND	ND	ND
Isoproylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5		ND	ND	ND	ND
Styrene	5		ND	ND	ND	ND
Tetrachloroethene	5		NDJ	ND	ND	ND
Toluene	5		ND	ND	ND	ND
trans-1,2-Dichloroethene	5		ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Trichloroethene	5		***63***	***33***	***1,100***	***2,300***
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2		ND	ND	ND	ND
Xylenes, Total	5		ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1ST QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300		430	4,600	1,400	14,900
Manganese (EPA Method 6010B)			2,000	13,100 B	3,100	33,300
Nitrate as N (EPA Method 9056)	10,000		5,000	5,800	3,600	5,500
Chemical Oxygen Demand (EPA Method 410.4)			6,500 J	339,000 B	ND	26,100
Total Organic Carbon (EPA Method 9060A)			1,100 B	1,300 B	1,000 B	1,500 B

All values reported as ug/L
B- Compound was found in blank and sample
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS- Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL IW2-1**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	1.5	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	1.1	ND	ND
1,1-Dichloroethene	5	ND	ND	1.7	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5		ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	***210***	2.4	***210***	***160***	***160***
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isoproylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5	39 J	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	1.4	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	***5***	***3,900***	***12***	***1,200***	***970***	***1,100***
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1ST QTR** 3/31/18	**2ND QTR** 6/29/18	**3rdQTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	1,610	5,000	4,900	74	36 J
Manganese (EPA Method 6010B)			160	500 B	420	410
Nitrate as N (EPA Method 9056)	10,000	440	230	440	230	810
Chemical Oxygen Demand (EPA Method 410.4)		5,800	25,100 B	76,600 B	ND	28,500 J B
Total Organic Carbon (EPA Method 9060A)		ND	2,500	1,200 B	890 J B	1,400

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL IW2-3**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	.47 J	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		110	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	***370***	2.9	3.6	***14***	5.1
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isoproylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND
Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND

Methylene chloride	5	110 J	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	5	***6,000***	***30***	***45***	***170***	***55***
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1ST QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	4,870	750	2,600	3,700	1,200
Manganese (EPA Method 6010B)	300	473	240	180 B	790	240
Nitrate as N (EPA Method 9056)	10,000	750	2,400	3,800	3,600	3,400
Chemical Oxygen Demand (EPA Method 410.4)		7,100	16,200 J	32,700	ND	ND
Total Organic Carbon (EPA Method 9060A)		ND	2,400	1,300 B	3,300 B	2,300

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-02**		**2018 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	NS*	NS	WD	WD
1,1,2,2-Tetrachloroethane	5	ND	NS*	NS	WD	WD
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	WD	WD
1,1,2-TrichloroethaneD	1	ND	NS*	NS	WD	WD
1,1-DichloroethaneND	5	ND	NS*	NS	WD	WD
1,1-DichloroetheneND	5	ND	NS*	NS	WD	WD
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS	WD	WD
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	WD	WD
1,2-Dibromoethane		ND	NS*	NS	WD	WD
1,2-Dichlorobenzene	3	ND	NS*	NS	WD	WD
1,2-Dichloroethane	0.06	ND	NS*	NS	WD	WD
1,2 -Dichloropropane	1	ND	NS*	NS	WD	WD
1,3 Dichlorobenzene	3	ND	NS*	NS	WD	WD
1,4-Dichlorobenzene	3	ND	NS*	NS	WD	WD
2-Butanone (MEK))	50	ND	NS*	NS	WD	WD
2-Hexanone		ND	NS*	NS	WD	WD
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	WD	WD
Acetone	50	ND	NS*	NS	WD	WD
Benzene	1	ND	NS*	NS	WD	WD
Bromodichloromethane	50	ND	NS*	NS	WD	WD
Bromoform	50	ND	NS*	NS	WD	WD
Bromomethane	5	ND	NS*	NS	WD	WD
Carbon disulfide		ND	NS*	NS	WD	WD
Carbon tetrachloride	5	ND	NS*	NS	WD	WD
Chlorobenzene	5	ND	NS*	NS	WD	WD
Chloroethane	5	ND	NS*	NS	WD	WD
Chloroform	7	ND	NS*	NS	WD	WD
Chloromethane		ND	NS*	NS	WD	WD
cis-1,2-Dichloroethene	**5**	1.5	NS*	NS	WD	WD
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	WD	WD
Cyclohexane		ND	NS*	NS	WD	WD
Dibromochloromethane		ND	NS*	NS	WD	WD
Dichlorodifluoromethane	5	ND	NS*	NS	WD	WD
Ethylbenzene	5	ND	NS*	NS	WD	WD
Isoproylbenzene	5	ND	NS*	NS	WD	WD
Methyl acetate		ND	NS*	NS	WD	WD

Methyl tert-butyl ether	10	ND	NS*	NS	WD	WD
Methylcyclohexane		ND	NS*	NS	WD	WD
Methylene chloride	5	ND	NS*	NS	WD	WD
Styrene	5	ND	NS*	NS	WD	WD
Tetrachloroethene	**5**	**ND**	NS*	NS	WD	WD
Toluene	5	ND	NS*	NS	WD	WD
trans-1,2-Dichloroethene	5	ND	NS*	NS	WD	WD
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS	WD	WD
Trichloroethene	***5***	***220***	NS*	NS	WD	WD
Trichlorofluoromethane	5	ND	NS*	NS	WD	WD
Vinyl chloride	2	ND	NS*	NS	WD	WD
Xylenes, Total	5	ND	NS*	NS	WD	WD

Other Analytes:	GW Std (ug/L)	Pre-ISCO	1st QTR 3/31/18	2nd QTR 6/29/18	3rd QTR 9/27/18	4th QTR 12/27/18
Iron (EPA Method 6010B)	300	2,7800	NS*	NS	WD	WD
Manganese (EPA Method 6010B)		193	NS*	NS	WD	WD
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS	WD	WD
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS	WD	WD
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS	WD	WD

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
WD- Well Decommissioned

Analytes: VOC's EPA Method 8260B	**WELL MW05-03**		**2018 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	NS*	NS*	NS*	NS
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS*	NS*	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS*	NS*	NS
1,1,2-TrichloroethaneD	1	ND	NS*	NS*	NS*	NS
1,1-DichloroethaneND	5	ND	NS*	NS*	NS*	NS
1,1-DichloroetheneND	5	ND	NS*	NS*	NS*	NS
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS*	NS*	NS
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS*	NS*	NS
1,2-Dibromoethane		ND	NS*	NS*	NS*	NS
1,2-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,2-Dichloroethane	0.06	ND	NS*	NS*	NS*	NS
1,2 -Dichloropropane	1	ND	NS*	NS*	NS*	NS
1,3 Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,4-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
2-Butanone (MEK))	50	ND	NS*	NS*	NS*	NS
2-Hexanone		ND	NS*	NS*	NS*	NS
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS*	NS*	NS
Acetone	50	ND	NS*	NS*	NS*	NS
Benzene	1	ND	NS*	NS*	NS*	NS
Bromodichloromethane	50	ND	NS*	NS*	NS*	NS
Bromoform	50	ND	NS*	NS*	NS*	NS
Bromomethane	5	ND	NS*	NS*	NS*	NS
Carbon disulfide		ND	NS*	NS*	NS*	NS
Carbon tetrachloride	5	ND	NS*	NS*	NS*	NS
Chlorobenzene	5	ND	NS*	NS*	NS*	NS
Chloroethane	5	ND	NS*	NS*	NS*	NS
Chloroform	7	ND	NS*	NS*	NS*	NS
Chloromethane		ND	NS*	NS*	NS*	NS
cis-1,2-Dichloroethene	**5**	1.5	NS*	NS*	NS*	NS
cis-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Cyclohexane		ND	NS*	NS*	NS*	NS
Dibromochloromethane		ND	NS*	NS*	NS*	NS
Dichlorodifluoromethane	5	ND	NS*	NS*	NS*	NS
Ethylbenzene	5	ND	NS*	NS*	NS*	NS
Isoproylbenzene	5	ND	NS*	NS*	NS*	NS
Methyl acetate		ND	NS*	NS*	NS*	NS

Methyl tert-butyl ether	10	ND	NS*	NS*	NS*	NS
Methylcyclohexane		ND	NS*	NS*	NS*	NS
Methylene chloride	5	ND	NS*	NS*	NS*	NS
Styrene	5	ND	NS*	NS*	NS*	NS
Tetrachloroethene	**5**	**ND**	NS*	NS*	NS*	NS
Toluene	5	ND	NS*	NS*	NS*	NS
trans-1,2-Dichloroethene	5	ND	NS*	NS*	NS*	NS
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Trichloroethene	***5***	***220***	NS*	NS*	NS*	NS
Trichlorofluoromethane	5	ND	NS*	NS*	NS*	NS
Vinyl chloride	2	ND	NS*	NS*	NS*	NS
Xylenes, Total	5	ND	NS*	NS*	NS*	NS

Other Analytes:	GW Std (ug/L)	Pre-ISCO	1st QTR 3/28/17	2nd QTR 6/29/18	3rd QTR 9/27/18	4th QTR 12/27/18
Iron (EPA Method 6010B)	300	2,7800	NS*	NS*	NS*	NS
Manganese (EPA Method 6010B)		193	NS*	NS*	NS*	NS
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS*	NS*	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS*	NS*	NS
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS*	NS*	NS

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-04**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	NS*	NS*	NS*	NS
1,1,2,2-Tetrachloroethane	5	ND	NS*	NS**	NS*	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS*	NS*	NS
1,1,2-Trichloroethane	1	ND	NS*	NS*	NS*	NS
1,1-Dichloroethane	5	ND	NS*	NS*	NS*	NS
1,1-Dichloroethene	5	ND	NS*	NS*	NS*	NS
1,2, 4-Trichlorobenzene	5	ND	NS*	NS*	NS*	NS
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS*	NS*	NS
1,2-Dibromoethane		ND	NS*	NS*	NS*	NS
1,2-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,2-Dichloroethane	0.06	ND	NS*	NS*	NS*	NS
1,2 -Dichloropropane	1	ND	NS*	NS*	NS*	NS
1,3 Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,4-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
2-Butanone (MEK))	50	ND	NS*	NS*	NS*	NS
2-Hexanone		ND	NS*	NS*	NS*	NS
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS*	NS*	NS
Acetone	50	ND	NS*	NS*	NS*	NS
Benzene	1	ND	NS*	NS*	NS*	NS
Bromodichloromethane	50	ND	NS*	NS*	NS*	NS
Bromoform	50	ND	NS*	NS*	NS*	NS
Bromomethane	5	ND	NS*	NS*	NS*	NS
Carbon disulfide		ND	NS*	NS*	NS*	NS
Carbon tetrachloride	5	ND	NS*	NS*	NS*	NS
Chlorobenzene	5	ND	NS*	NS*	NS*	NS
Chloroethane	5	ND	NS*	NS*	NS*	NS
Chloroform	7	ND	NS*	NS*	NS*	NS
Chloromethane		ND	NS*	NS*	NS*	NS
cis-1,2-Dichloroethene	**5**	ND	NS*	NS*	NS*	NS
cis-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Cyclohexane		ND	NS*	NS*	NS*	NS
Dibromochloromethane		ND	NS*	NS*	NS*	NS
Dichlorodifluoromethane	5	ND	NS*	NS*	NS*	NS
Ethylbenzene	5	ND	NS*	NS*	NS*	NS
Isoproylbenzene	5	ND	NS*	NS*	NS*	NS
Methyl acetate		ND	NS*	NS*	NS*	NS

Methyl tert-butyl ether	10	ND	NS*	NS*	NS*	NS
Methylcyclohexane		ND	NS*	NS*	NS*	NS
Methylene chloride	5	ND	NS*	NS*	NS*	NS
Styrene	5	ND	NS*	NS*	NS*	NS
Tetrachloroethene	**5**	**ND**	NS*	NS*	NS*	NS
Toluene	5	ND	NS*	NS*	NS*	NS
trans-1,2-Dichloroethene	5	ND	NS*	NS*	NS*	NS
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Trichloroethene	***5***	***98***	NS*	NS*	NS*	NS
Trichlorofluoromethane	5	ND	NS*	NS*	NS*	NS
Vinyl chloride	2	ND	NS*	NS*	NS*	NS
Xylenes, Total	5	ND	NS*	NS*	NS*	NS

Other Analytes:	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	290	NS*	NS*	NS*	NS
Manganese (EPA Method 6010B)		4.9	NS*	NS*	NS*	NS
Nitrate as N (EPA Method 9056)	10,000	2,700	NS*	NS*	NS*	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS	ND	NS*	NS*	NS*	NS
Total Organic Carbon (EPA Method 9060A)	NS	1,100	NS*	NS*	NS*	NS

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Pre-ISCO data collected
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Analytes: VOC's EPA Method 8260B	**WELL MW05-05**		**2018 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	NS*	NS*	NS*	NS
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS*	NS*	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS*	NS*	NS
1,1,2-TrichloroethaneD	1	ND	NS*	NS*	NS*	NS
1,1-DichloroethaneND	5	ND	NS*	NS*	NS*	NS
1,1-DichloroetheneND	5	ND	NS*	NS*	NS*	NS
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS*	NS*	NS
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS*	NS*	NS
1,2-Dibromoethane		ND	NS*	NS*	NS*	NS
1,2-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,2-Dichloroethane	0.06	ND	NS*	NS*	NS*	NS
1,2 -Dichloropropane	1	ND	NS*	NS*	NS*	NS
1,3 Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
1,4-Dichlorobenzene	3	ND	NS*	NS*	NS*	NS
2-Butanone (MEK))	50	ND	NS*	NS*	NS*	NS
2-Hexanone		ND	NS*	NS*	NS*	NS
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS*	NS*	NS
Acetone	50	ND	NS*	NS*	NS*	NS
Benzene	1	ND	NS*	NS*	NS*	NS
Bromodichloromethane	50	ND	NS*	NS*	NS*	NS
Bromoform	50	ND	NS*	NS*	NS*	NS
Bromomethane	5	ND	NS*	NS*	NS*	NS
Carbon disulfide		ND	NS*	NS*	NS*	NS
Carbon tetrachloride	5	ND	NS*	NS*	NS*	NS
Chlorobenzene	5	ND	NS*	NS*	NS*	NS
Chloroethane	5	ND	NS*	NS*	NS*	NS
Chloroform	7	ND	NS*	NS*	NS*	NS
Chloromethane		ND	NS*	NS*	NS*	NS
cis-1,2-Dichloroethene	**5**	1.5	NS*	NS*	NS*	NS
cis-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Cyclohexane		ND	NS*	NS*	NS*	NS
Dibromochloromethane		ND	NS*	NS*	NS*	NS
Dichlorodifluoromethane	5	ND	NS*	NS*	NS*	NS
Ethylbenzene	5	ND	NS*	NS*	NS*	NS
Isoproylbenzene	5	ND	NS*	NS*	NS*	NS
Methyl acetate		ND	NS*	NS*	NS*	NS

Methyl tert-butyl ether	10	ND	NS*	NS*	NS*	NS
Methylcyclohexane		ND	NS*	NS*	NS*	NS
Methylene chloride	5	ND	NS*	NS*	NS*	NS
Styrene	5	ND	NS*	NS*	NS*	NS
Tetrachloroethene	**5**	**ND**	NS*	NS*	NS*	NS
Toluene	5	ND	NS*	NS*	NS*	NS
trans-1,2-Dichloroethene	5	ND	NS*	NS*	NS*	NS
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS*	NS*	NS
Trichloroethene	***5***	***220***	NS*	NS*	NS*	NS
Trichlorofluoromethane	5	ND	NS*	NS*	NS*	NS
Vinyl chloride	2	ND	NS*	NS*	NS*	NS
Xylenes, Total	5	ND	NS*	NS*	NS*	NS

Other Analytes:	GW Std (ug/L)	Pre-ISCO	1st QTR 3/31/18	2nd QTR 6/29/18	3rd QTR 9/27/18	4th QTR 12/27/18
Iron (EPA Method 6010B)	300	2,7800	NS*	NS*	NS*	NS
Manganese (EPA Method 6010B)		193	NS*	NS*	NS*	NS
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS*	NS*	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS*	NS*	NS
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS*	NS*	NS

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-10**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	NS	ND	NS
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	NS	ND	NS
1,1,2-Trichloroethane	1	***180***	ND	NS	ND	NS
1,1-Dichloroethane	5	ND	ND	NS	ND	NS
1,1-Dichloroethene	5	***35***	ND	NS	ND	NS
1,2, 4-Trichlorobenzene	5	ND	ND	NS	ND	NS
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	NS
1,2-Dibromoethane			ND	NS	ND	NS
1,2-Dichlorobenzene	3		ND	NS	ND	NS
1,2-Dichloroethane	0.06	ND	ND	NS	ND	NS
1,2 -Dichloropropane	1		ND	NS	ND	NS
1,3 Dichlorobenzene	3		ND	NS	ND	NS
1,4-Dichlorobenzene	3		ND	NS	ND	NS
2-Butanone (MEK))	50	1.4 J	ND	NS	ND	NS
2-Hexanone			ND	NS	ND	NS
4-Methyl-2-pentanone (MIBK)			ND	NS	ND	NS
Acetone	50	6.3 J	ND	NS	ND	NS
Benzene	1		ND	NS	ND	NS
Bromodichloromethane	50	ND	ND	NS	ND	NS
Bromoform	50	ND	ND	NS	ND	NS
Bromomethane	5		ND	NS	ND	NS
Carbon disulfide			ND	NS	ND	NS
Carbon tetrachloride	5	ND	ND	NS	ND	NS
Chlorobenzene	5		ND	NS	ND	NS
Chloroethane	5		ND	NS	ND	NS
Chloroform	7	ND	ND	NS	ND	NS
Chloromethane			ND	NS	ND	NS
cis-1,2-Dichloroethene	**5**	***35***	3.5	NS	2.6	NS
cis-1,3-Dichloropropene	0.4	ND	ND	NS	ND	NS
Cyclohexane			ND	NS	ND	NS
Dibromochloromethane			ND	NS	ND	NS
Dichlorodifluoromethane	5	ND	ND	NS	ND	NS
Ethylbenzene	5	ND	ND	NS	ND	NS
Isoproylbenzene	5		ND	NS	ND	NS
Methyl acetate			ND	NS	ND	NS

Methyl tert-butyl ether	10		ND	NS	ND	NS
Methylcyclohexane			ND	NS	ND	NS
Methylene chloride	5	1.4	ND	NS	ND	NS
Styrene	5	ND	ND	NS	ND	NS
Tetrachloroethene	5	ND	1.4	NS	ND	NS
Toluene	5	ND	ND	NS	ND	NS
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	NS
Trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	NS
Trichloroethene	***5***	***160***	***78***	NS	***33***	NS
Trichlorofluoromethane	5		ND	NS	ND	NS
Vinyl chloride	2	ND	ND	NS	ND	NS
Xylenes, Total	5	ND	ND	NS	ND	NS

Other Analytes:	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	*3630*	8,400	NS	46,900	NS
Manganese (EPA Method 6010B)			240	NS	480	NS
Nitrate as N (EPA Method 9056)	10,000	3,000	2,500	NS	3,200	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS	8,100J	ND	NS	ND	NS
Total Organic Carbon (EPA Method 9060A)	NS	1,800	2,200	NS	1,200 B	NS

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-11**		**2018 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	NS*	NS	NS	NS
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS	NS	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	NS	NS
1,1,2-TrichloroethaneD	1	ND	NS*	NS	NS	NS
1,1-DichloroethaneND	5	ND	NS*	NS	NS	NS
1,1-DichloroetheneND	5	ND	NS*	NS	NS	NS
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS	NS	NS
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	NS	NS
1,2-Dibromoethane		ND	NS*	NS	NS	NS
1,2-Dichlorobenzene	3	ND	NS*	NS	NS	NS
1,2-Dichloroethane	0.06	ND	NS*	NS	NS	NS
1,2 -Dichloropropane	1	ND	NS*	NS	NS	NS
1,3 Dichlorobenzene	3	ND	NS*	NS	NS	NS
1,4-Dichlorobenzene	3	ND	NS*	NS	NS	NS
2-Butanone (MEK))	50	ND	NS*	NS	NS	NS
2-Hexanone		ND	NS*	NS	NS	NS
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	NS	NS
Acetone	50	ND	NS*	NS	NS	NS
Benzene	1	ND	NS*	NS	NS	NS
Bromodichloromethane	50	ND	NS*	NS	NS	NS
Bromoform	50	ND	NS*	NS	NS	NS
Bromomethane	5	ND	NS*	NS	NS	NS
Carbon disulfide		ND	NS*	NS	NS	NS
Carbon tetrachloride	5	ND	NS*	NS	NS	NS
Chlorobenzene	5	ND	NS*	NS	NS	NS
Chloroethane	5	ND	NS*	NS	NS	NS
Chloroform	7	ND	NS*	NS	NS	NS
Chloromethane		ND	NS*	NS	NS	NS
cis-1,2-Dichloroethene	**5**	1.5	NS*	NS	NS	NS
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	NS	NS
Cyclohexane		ND	NS*	NS	NS	NS
Dibromochloromethane		ND	NS*	NS	NS	NS
Dichlorodifluoromethane	5	ND	NS*	NS	NS	NS
Ethylbenzene	5	ND	NS*	NS	NS	NS
Isoproylbenzene	5	ND	NS*	NS	NS	NS
Methyl acetate		ND	NS*	NS	NS	NS

Methyl tert-butyl ether	10	ND	NS*	NS	NS	NS
Methylcyclohexane		ND	NS*	NS	NS	NS
Methylene chloride	5	ND	NS*	NS	NS	NS
Styrene	5	ND	NS*	NS	NS	NS
Tetrachloroethene	**5**	**ND**	NS*	NS	NS	NS
Toluene	5	ND	NS*	NS	NS	NS
trans-1,2-Dichloroethene	5	ND	NS*	NS	NS	NS
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS	NS	NS
Trichloroethene	***5***	***220***	NS*	NS	NS	NS
Trichlorofluoromethane	5	ND	NS*	NS	NS	NS
Vinyl chloride	2	ND	NS*	NS	NS	NS
Xylenes, Total	5	ND	NS*	NS	NS	NS

Other Analytes:	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	2,7800	NS*	NS	NS	NS
Manganese (EPA Method 6010B)		193	NS*	NS	NS	NS
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS	NS	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS	NS	NS
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS	NS	NS

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-21**		**2018 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5		ND	NS	ND	NS
1,1,2,2-Tetrachloroethane	5		ND	NS	ND	NS
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	NS	ND	NS
1,1,2-Trichloroethane	1		ND	NS	ND	NS
1,1-Dichloroethane	5		ND	NS	ND	NS
1,1-Dichloroethene	5		ND	NS	ND	NS
1,2, 4-Trichlorobenzene	5		ND	NS	ND	NS
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	NS
1,2-Dibromoethane			ND	NS	ND	NS
1,2-Dichlorobenzene	3		ND	NS	ND	NS
1,2-Dichloroethane	0.06		ND	NS	ND	NS
1,2 -Dichloropropane	1		ND	NS	ND	NS
1,3 Dichlorobenzene	3		ND	NS	ND	NS
1,4-Dichlorobenzene	3		ND	NS	ND	NS
2-Butanone (MEK))	50		ND	NS	ND	NS
2-Hexanone			ND	NS	ND	NS
4-Methyl-2-pentanone (MIBK)			ND	NS	ND	NS
Acetone	50		ND	NS	ND	NS
Benzene	1		ND	NS	ND	NS
Bromodichloromethane	50		ND	NS	ND	NS
Bromoform	50		ND	NS	ND	NS
Bromomethane	5		ND	NS	ND	NS
Carbon disulfide			ND	NS	ND	NS
Carbon tetrachloride	5		ND	NS	ND	NS
Chlorobenzene	5		ND	NS	ND	NS
Chloroethane	5		ND	NS	ND	NS
Chloroform	7		ND	NS	ND	NS
Chloromethane			ND	NS	ND	NS
cis-1,2-Dichloroethene	5		ND	NS	ND	NS
cis-1,3-Dichloropropene	0.4		ND	NS	ND	NS
Cyclohexane			ND	NS	ND	NS
Dibromochloromethane			ND	NS	ND	NS
Dichlorodifluoromethane	5		ND	NS	ND	NS
Ethylbenzene	5		ND	NS	ND	NS
Isoproylbenzene	5		ND	NS	ND	NS
Methyl acetate			ND	NS	ND	NS

Methyl tert-butyl ether	10		ND	NS	ND	NS
Methylcyclohexane			ND	NS	ND	NS
Methylene chloride	5		ND	NS	ND	NS
Styrene	5		ND	NS	ND	NS
Tetrachloroethene	5		1.2	NS	***11***	NS
Toluene	5		ND	NS	ND	NS
trans-1,2-Dichloroethene	5		ND	NS	ND	NS
Trans-1,3-Dichloropropene	0.4		ND	NS	ND	NS
Trichloroethene	5		ND	NS	1.8	NS
Trichlorofluoromethane	5		ND	NS	ND	NS
Vinyl chloride	2		ND	NS	ND	NS
Xylenes, Total	5		ND	NS	ND	NS

Other Analytes:	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300		1,300	NS	1,200	NS
Manganese (EPA Method 6010B)			720	NS	740	NS
Nitrate as N (EPA Method 9056)	10,000		130,000	NS	69,500	NS
Chemical Oxygen Demand (EPA Method 410.4)	NS		ND	NS	17,900	NS
Total Organic Carbon (EPA Method 9060A)	NS		8,800	NS	6,800 B	NS

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL OB09-36**		**2018 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	NS	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	NS	ND	ND
1,1,2-Trichloroethane	1	ND	ND	NS	ND	ND
1,1-Dichloroethane	5	ND	ND	NS	ND	ND
1,1-Dichloroethene	5	ND	ND	NS	ND	ND
1,2, 4-Trichlorobenzene	5		ND	NS	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	ND
1,2-Dibromoethane			ND	NS	ND	ND
1,2-Dichlorobenzene	3		ND	NS	ND	ND
1,2-Dichloroethane	0.6	ND	ND	NS	ND	ND
1,2 -Dichloropropane	1	ND	ND	NS	ND	ND
1,3-Dichlorobenzene	3		ND	NS	ND	ND
1,4-Dichlorobenzene	3		ND	NS	ND	ND
2-Butanone (MEK))	50	ND	ND	NS	ND	ND
2-Hexanone			ND	NS	ND	ND
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	NS	ND	ND
Acetone	50	ND	ND	NS	ND	ND
Benzene	1	ND	ND	NS	ND	ND
Bromodichloromethane	50	ND	ND	NS	ND	ND
Bromoform	50	ND	ND	NS	ND	ND
Bromomethane	5	ND	ND	NS	ND	ND
Carbon disulfide			ND	NS	ND	ND
Carbon tetrachloride	5	ND	ND	NS	ND	ND
Chlorobenzene	5	ND	ND	NS	ND	ND
Chloroethane	5	ND	ND	NS	ND	ND
Chloroform	7	ND	ND	NS	ND	ND
Chloromethane		ND	ND	NS	ND	ND
cis-1,2-Dichloroethene	5	***12***	ND	NS	ND	ND
cis-1,3-Dichloropropene	0.4	ND	.94 J	NS	ND	ND
Cyclohexane			ND	NS	ND	ND
Dibromochloromethane			ND	NS	ND	ND
Dichlorodifluoromethane	5		ND	NS	ND	ND
Ethylbenzene	5	ND	ND	NS	ND	ND
Isoproylbenzene	5		ND	NS	ND	ND
Methyl acetate			ND	NS	ND	ND
Methyl tert-butyl ether	10		ND	NS	ND	ND

Methylcyclohexane			ND	NS	ND	ND
Methylene chloride	5	3.2 J	ND	NS	ND	ND
Styrene	5	ND	ND	NS	ND	ND
Tetrachloroethene	5	ND	ND	NS	ND	ND
Toluene	5	ND	ND	NS	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	ND
Trichloroethene	***5***	***149***	***19***	NS	***15***	***17***
Trichlorofluoromethane	5		ND	NS	ND	ND
Vinyl chloride	2	ND	ND	NS	ND	ND
Xylenes, Total	5	ND	ND	NS	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	1,610	1,200	NS	2,000	3,700
Manganese (EPA Method 6010B)			30	NS	180	170
Nitrate as N (EPA Method 9056)	10,000	440	3,000	NS	4,000	3,500
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,800	9,900 J	NS	ND	87,000 B
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,100	NS	1,100 B	1,600

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
B- Compound was found in the blank and sample
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL OB09-38**		**2018 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	NS	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	NS	ND	ND
1,1,2-Trichloroethane	1	ND	ND	NS	ND	ND
1,1-Dichloroethane	5	ND	ND	NS	ND	.50 J
1,1-Dichloroethene	5	ND	ND	NS	ND	.95 J
1,2, 4-Trichlorobenzene	5		ND	NS	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	ND
1,2-Dibromoethane			ND	NS	ND	ND
1,2-Dichlorobenzene	3		ND	NS	ND	ND
1,2-Dichloroethane	0.6	ND	ND	NS	ND	ND
1,2 -Dichloropropane	1	ND	ND	NS	ND	ND
1,3-Dichlorobenzene	3		ND	NS	ND	ND
1,4-Dichlorobenzene	3		ND	NS	ND	ND
2-Butanone (MEK))	50		ND	NS	ND	ND
2-Hexanone			ND	NS	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	NS	ND	ND
Acetone	50	ND	ND	NS	ND	ND
Benzene	1	ND	ND	NS	ND	ND
Bromodichloromethane	50	ND	ND	NS	ND	ND
Bromoform	50	ND	ND	NS	ND	ND
Bromomethane	5	ND	ND	NS	ND	ND
Carbon disulfide			ND	NS	ND	ND
Carbon tetrachloride	5	ND	ND	NS	ND	ND
Chlorobenzene	5	ND	ND	NS	ND	ND
Chloroethane	5	ND	ND	NS	ND	ND
Chloroform	7	ND	ND	NS	ND	ND
Chloromethane			ND	NS	ND	ND
cis-1,2-Dichloroethene	5	***8***	***8.2***	NS	9.8	***97***
Cis-1,3-Dichloropropene	0.4	ND	ND	NS	ND	ND
Cyclohexane			ND	NS	ND	ND
Dibromochloromethane			ND	NS	ND	ND
Dichlorodifluoromethane	5		ND	NS	ND	ND
Ethylbenzene	5	ND	ND	NS	ND	ND
Isoproylbenzene	5		ND	NS	ND	ND
Methyl acetate			ND	NS	ND	ND
Methyl tert-butyl ether	10		ND	NS	ND	ND

Methylcyclohexane			ND	NS	ND	ND
Methylene chloride	5	ND	ND	NS	ND	ND
Styrene	5	ND	ND	NS	ND	ND
Tetrachloroethene	5	ND	ND	NS	ND	ND
Toluene	5	ND	ND	NS	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	ND
Trichloroethene	***5***	***49***	***9.7***	NS	***13***	***11O***
Trichlorofluoromethane	5		ND	NS	ND	ND
Vinyl chloride	2	ND	ND	NS	ND	1.0
Xylenes, Total	5	ND	ND	NS	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	38,700	4,100	NS	22,700	8,300
Manganese (EPA Method 6010B)			350	NS	2,100	450
Nitrate as N (EPA Method 9056)	10,000	94	150	NS	250	230
Chemical Oxygen Demand (EPA Method 410.4)		3,900	5,600 J	NS	ND	63,600
Total Organic Carbon (EPA Method 9060A)	NS	ND	770 J	NS	850 JB	1,400

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
B – Compound was found in the blank and sample
J – Includes an estimated value
F1-MS and/or MSD Recovery exceeds the control limits
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
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Analytes: **VOC's** EPA Method 8260B	**WELL OW1-1**		**2018 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	**5**	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.06	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	***5***	***470***	***37***	660	630	***10***
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isoproylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5	*170 J*	ND	ND	***22 J***	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	***5***	***34***	***13***	4.0 J	ND	2.0 J
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Trichloroethene	***5***	***2700***	***590***	***1,600***	***2,800***	***150***
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	751	24,600 ^	4,400	210	3,600
Manganese (EPA Method 6010B)			1,900 ^	1,200 B	62	370
Nitrate as N (EPA Method 9056)	10,000	1,900	12,700	2,400	5,500	6,500
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,600J	ND	29,200	19,100	48,600 J B
Total Organic Carbon (EPA Method)	NS	ND	1,300 B	1,200 B	1,300 B	1,800

All values reported as ug/L
ND-Analyzed for but NOT DETECTED
J – Includes an estimated value
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
^- ICV, CCV, ICB, CCB, ISA,ISH, CRI,CRA,DLCK or MRL standard: Instrument related QC is outside acceptance limits

Analytes: VOC's EPA Method 8260B	**WELL OW1-2**		**2018 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	***5***	ND	ND	ND	WD	***WD***
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	WD	WD
1,1,2-Trichloro-1,2,2-trifluoroethane	5		ND	ND	WD	WD
1,1,2-Trichloroethane	1	ND	ND	ND	WD	WD
1,1-Dichloroethane	5	ND	ND	ND	WD	WD
1,1-Dichloroethene	***5***	ND	ND	ND	WD	WD
1,2, 4-Trichlorobenzene	5		ND	ND	WD	WD
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	WD	WD
1,2-Dibromoethane			ND	ND	WD	WD
1,2-Dichlorobenzene	3		ND	ND	WD	WD
1,2-Dichloroethane	0.06	ND	ND	ND	WD	WD
1,2 -Dichloropropane	1	ND	ND	ND	WD	WD
1,3-Dichlorobenzene	3		ND	ND	WD	WD
1,4-Dichlorobenzene	3		ND	ND	WD	WD
2-Butanone (MEK)	50	ND	ND	ND	WD	WD
2-Hexanone			ND	ND	WD	WD
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	WD	WD
Acetone	50	ND	ND	ND	WD	WD
Benzene	1	ND	ND	ND	WD	WD
Bromodichloromethane	50	ND	ND	ND	WD	WD
Bromoform	50	ND	ND	ND	WD	WD
Bromomethane	5	ND	ND	ND	WD	WD
Carbon disulfide			ND	ND	WD	WD
Carbon tetrachloride	5	ND	ND	ND	WD	WD
Chlorobenzene	5	ND	ND	ND	WD	WD
Chloroethane	5	ND	ND	ND	WD	WD
Chloroform	7		ND	ND	WD	WD
Chloromethane		ND	ND	ND	WD	WD
cis-1,2-Dichloroethene	*5*	***4,800***	***3,100***	***4,700***	WD	WD
cis-1,3-Dichloropropene	0.4	ND	ND	ND	WD	WD
Cyclohexane			ND	ND	WD	WD
Dibromochloromethane			ND	ND	WD	WD
Dichlorodifluoromethane	5		ND	ND	WD	WD
Ethylbenzene	5	ND	ND	ND	WD	WD
Isoproylbenzene	5		ND	ND	WD	WD
Methyl acetate			ND	ND	WD	WD
Methyl tert-butyl ether	10		ND	ND	WD	WD
Methylcyclohexane			ND	ND	WD	WD

Methylene chloride	5	*1,300 J*	ND	ND	WD	WD
Styrene	5	ND	ND	ND	WD	WD
Tetrachloroethene	***5***	***440 J***	***230 J***	***280 J***	WD	WD
Toluene	5	ND	ND	ND	WD	WD
trans-1,2-Dichloroethene	***5***	ND	ND	ND	WD	WD
Trans-1,3-Dichloropropene	0.4	ND	ND	ND	WD	WD
Trichloroethene	***5***	***49,000***	***17,000 F1***	***39,000***	WD	WD
Trichlorofluoromethane	5		ND	ND	WD	WD
Vinyl chloride	2	ND	ND	ND	WD	WD
Xylenes, Total	5	ND	ND	ND	WD	WD

Analyte: SVOC **EPA Method: 8270C**	**GW Std (ug/l)**	**Pre-ISCO**	**1st QTR** 3/28/17	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
2,4,5-Trichlorophenol			ND	ND	WD	WD
2,4,6-Trichlorophenol		ND	ND	ND	WD	WD
2,4-Dichlorophenol	5	ND	ND	ND	WD	WD
2,4-Dimethylphenol	10	ND	ND	ND	WD	WD
2,4-Dinitrotoluene	5	ND	ND	ND	WD	WD
2,6-Dinitrotoluene	5	ND	ND	ND	WD	WD
2-Chloronaphthalene	10	ND	ND	ND	WD	WD
2-Chlorophenol		ND	ND	ND	WD	WD
2-Methylnaphthalene			ND	ND	WD	WD
2-Methylphenol			ND	ND	WD	WD
2-Nitrophenol		ND	ND	ND	WD	WD
3,3-Dichlorobenzidine	5	ND	ND	ND	WD	WD
3-Nitroaniline			ND	ND	WD	WD
4,6-Dinitro-2-methyphenol		ND	ND	ND	WD	WD
4-Bromophenyl phenyl ether		ND	ND	ND	WD	WD
4-Chloro-3-methylphenol		ND	ND	ND	WD	WD
4-Chloroaniline			ND	ND	WD	WD
4-Chlorophenyl phenyl ether		ND	ND	ND	WD	WD
4-Methyphenol			ND	ND	WD	WD
4-Nitroaniline			ND	ND	WD	WD
4-Nitrophenol		ND	ND	ND	WD	WD
Acenaphthene	20	ND	ND	ND	WD	WD
Acenaphthylene		ND	ND	ND	WD	WD
Acetophenone			ND	ND	WD	WD
Anthracene	50	460 J	ND	ND	WD	WD
Atrazine			ND	ND	WD	WD
Benzaldehyde			ND	ND	WD	WD
Benzo(a)anthracene	**0.00**	**2,200**	ND	ND	WD	WD
Benzo(a)pyrene		***2,100***	ND	ND	WD	WD
Benzo(b)fluoranthene	0.002	***3,300***	ND	ND	WD	WD
Benzo(g,h)perylene		***3,000***	ND	ND	WD	WD
Benzo(k)fluoranthene	**0.002**	***1,300***	ND	ND	WD	WD

Biphenyl			ND	ND	WD	WD
Bis-(2-chloroisopropyl) ether		ND	ND	ND	WD	WD
Bis(2-chloroethoxy) methane	5	ND	ND	ND	WD	WD
Bis(2-chloroethyl) ether		ND	ND	ND	WD	WD
Bis(2-ethylhexyl) phthalate	5	***1,300***	ND	ND	WD	WD
Butyl benzyl phthalate		ND	ND	ND	WD	WD
Carprolactam			ND	ND	WD	WD
Carbazole			ND	ND	WD	WD
Chrysene	0.002	***2,300***	ND	ND	WD	WD
Dibenz(a,h)anthracene		760	ND	ND	WD	WD
Dibenzofuran			ND	ND	WD	WD
Diethyl phthalate	50	ND	ND	ND	WD	WD
Dimethyl phthalate	50	ND	ND	ND	WD	WD
Di-n-buty l phthalate	50	ND	ND	ND	WD	WD
Di-n-octyl phthalate	50	ND	ND	ND	WD	WD
Fluoranthene	50	***4,100***	ND	ND	WD	WD
Fluorene	50	410 J	ND	ND	WD	WD
Hexachlorobenzene	0.04	ND	ND	ND	WD	WD
Hexachlorobutadiene	0.5	ND	ND	ND	WD	WD
Hexachlorocyclopentadiene	5	ND	ND	ND	WD	WD
Hexachloroethane	5	ND	ND	ND	WD	WD
Indeno(1,2,3-cd)pyrene	0.002	***3,400***	ND	ND	WD	WD
Isophorone	50	ND	ND	ND	WD	WD
Naphthalene	10	ND	ND	ND	WD	WD
Nitrobenzene	0.4	ND	ND	ND	WD	WD
N-Nitrosodi-n-propylamine		ND	ND	ND	WD	WD
N-Nitrosodiphenylamine	50	ND	ND	ND	WD	WD
Pentachlorophenol	1	ND	ND	ND	WD	WD
Phenanthrene	50	450	ND	ND	WD	WD
Phenol	1	ND	ND	ND	WD	WD
Pyrene	50	***3,600***	ND	ND	WD	WD

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	1,060	41 J^	56	WD	WD
Manganese (Method 6010B)			1,000 ^	3,000 B	WD	WD
Nitrate as N (EPA Method 9056)	10,000	7,400	2,200	2,400	WD	WD
Chemical Oxygen Demand (EPA Method 410.4)		23,000	ND	17,600	WD	WD
Total Organic Carbon (EPA Method 9060A)	10,000	ND	3,500 B	1,800 B	WD	WD

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
B- Compound was found in the blank and sample
E- Result exceeded calibration range
F1- MS and /MS recovery is outside acceptance limits
F2- MS/MSD RPD exceeds control limits
J- Includes an estimated value
(-) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
^- ICV, CCV, ICB, CCB, ISA,ISH, CRI,CRA,DLCK or MRL standard: Instrument related QC is outside acceptance limits
WD- Well Decommissioned

Analytes: VOC's EPA Method 8260B	**WELL OW1-3**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	***5***	ND	ND	ND	WD	WD
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	WD	WD
1,1,2-Trichloro-1,2,2 trifluoroethane	***5***		ND	ND	WD	WD
1,1,2-Trichloroethane	1	ND	ND	ND	WD	WD
1,1-Dichloroethane	5		ND	ND	WD	WD
1,1-Dichloroethene	***5***	ND	ND	ND	WD	WD
1,2, 4-Trichlorobenzene	5		ND	ND	WD	WD
1,2-Dibromo-3-Chloropropane	0.04	ND	ND	ND	WD	WD
1,2-Dibromoethane			ND	ND	WD	WD
1,2-Dichlorobenzene	3		ND	ND	WD	WD
1,2-Dichloroethane	0.06	ND	ND	ND	WD	WD
1,2 -Dichloropropane	1	ND	ND	ND	WD	WD
1,3-Dichlorobenzene	3		ND	ND	WD	WD
1,4-Dichlorobenzene	3		ND	ND	WD	WD
2-Butanone (MEK))	50	ND	ND	ND	WD	WD
2-Hexanone			ND	ND	WD	WD
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	WD	WD
Acetone	50	ND	ND	ND	WD	WD
Benzene	1	ND	ND	ND	WD	WD
Bromodichloromethane	50	ND	ND	ND	WD	WD
Bromoform	50	ND	ND	ND	WD	WD
Bromomethane	5	ND	ND	ND	WD	WD
Carbon disulfide			ND	ND	WD	WD
Carbon tetrachloride	5	ND	ND	ND	WD	WD
Chlorobenzene	5	ND	ND	ND	WD	WD
Chloroethane	5	ND	ND	ND	WD	WD
Chloroform	7	ND	ND	ND	WD	WD
Chloromethane		ND	ND	ND	WD	WD
cis-1,2-Dichloroethene	5	***190 J***	***700***	***530***	WD	WD
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	WD	WD
Cyclohexane			ND	ND	WD	WD
Dibromochloromethane			ND	ND	WD	WD
Dichlorodifluoromethane	5		ND	ND	WD	WD
Ethylbenzene	5	ND	ND	ND	WD	WD
Isoproylbenzene	5		ND	ND	WD	WD
Methyl acetate			ND	ND	WD	WD
Methyl tert-butyl ether	10		ND	ND	WD	WD
Methylcyclohexane			ND	ND	WD	WD

Methylene chloride	5	*190J*	ND	ND	WD	WD
Styrene	5	ND	ND	ND	WD	WD
Tetrachloroethene	***5***	ND	ND	ND	WD	WD
Toluene	5	ND	ND	ND	WD	WD
trans-1,2-Dichloroethene	5	ND	ND	ND	WD	WD
trans-1,3-Dichloropropene	0.4	ND	ND	ND	WD	WD
Trichloroethene	***5***	***2,700***	***9,400***	***13,000***	WD	WD
Trichlorofluoromethane	5		ND	ND	WD	WD
Vinyl chloride	2	ND	ND	ND	WD	WD
Xylenes, Total	5	ND	ND	ND	WD	WD

Other Analytes	GW Std (ug/L)	*Pre-ISCO*	**1st QTR** 3/31/18	**2nd QTR** 3/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	227 J	390	430	WD	WD
Manganese (EPA Method 6010B)			380	520 B	WD	WD
Nitrate as N (EPA Method 9056)	10,000	780	2,100	3,600	WD	WD
Chemical Oxygen Demand (EPA Method 410.4)		3,700 J	5,600 J	34,500	WD	WD
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,500 B	1,500 B	WD	WD

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
B – Compound found in the blank and sample
F1- MS and/or MS Recovery exceeds the control limits
J – Includes an estimated value
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
WD- Well decommissioned

Analytes: VOC's EPA Method 8260B	**WELL OW1-4**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	3.9 J	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	ND
1,1,2-Trichloroethane	1		ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5		ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	ND
1,2-Dibromoethane			ND	ND	ND	ND
1,2-Dichlorobenzene	3		ND	ND	ND	ND
1,2-Dichloroethane	0.06	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3		ND	ND	ND	ND
1,4-Dichlorobenzene	3		ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone			ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide			ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	***13 J***	***3.8 J***	ND	***57***	9.6
cis-1,3-Dichloropropene	0.4		ND	ND	ND	ND
Cyclohexane			ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND
Dichlorodifluoromethane	5		ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isoproylbenzene	5		ND	ND	ND	ND
Methyl acetate			ND	ND	ND	ND

Methyl tert-butyl ether	10		ND	ND	ND	ND
Methylcyclohexane			ND	ND	ND	ND
Methylene chloride	5	*12 J*	1.9 J	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	2.6 J	ND	2.6 J
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	***5***	***320***	***120***	***800***	***680***	***260***
Trichlorofluoromethane	5		ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	209 J	440	430	1,800	4,000
Manganese (EPA Method 6010B)			19	52 B	79	480
Nitrate as N (EPA Method 9056)	10,000	3,000	2,100	3,600	2,100	3,700
Chemical Oxygen Demand (EPA Method 410.4)		ND	6,200 J	34,500	18,800 B	58,900 B
Total Organic Carbon (EPA Method 9060A)	NS	ND	990 J B	1,500 B	1,900 B	1,800

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
B- Compound found in the blank and sample
F1- MS and/or MSD Recovery is outside acceptance limits
J – Includes an estimated value
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL OW2-2**		**2018** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/31/18	6/29/18	9/27/18	12/27/18
1,1,1-Trichloroethane	5	ND	ND	3.9 J	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,2, 4-Trichlorobenzene	5	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	0.04	ND	ND	ND	ND	ND
1,2-Dibromoethane		ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
1,2 -Dichloropropane	1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND
2-Butanone (MEK))	50	ND	ND	ND	ND	ND
2-Hexanone		ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon disulfide		ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	***140***	2.2	2.6 J	4.6	1.8
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Cyclohexane		ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Isoproylbenzene	5	ND	ND	ND	ND	ND
Methyl acetate		ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND
Methylcyclohexane		ND	ND	ND	ND	ND

Methylene chloride	5	20 JB	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND
Trichloroethene	5	***1200***	***21***	***800***	***19***	***7.9***
Trichlorofluoromethane	5	ND	ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/31/18	**2nd QTR** 6/29/18	**3rd QTR** 9/27/18	**4th QTR** 12/27/18
Iron (EPA Method 6010B)	300	239,000	62	710	3,600	6,600
Manganese (EPA Method 6010B)		3,640	200	36 B	1,100	2,700
Nitrate as N (EPA Method 9056)	10,000	210	3,200	2,500	1,000	2,700
Chemical Oxygen Demand (EPA Method 410.4)		193,000	ND	35,900	ND	36,900 J B
Total Organic Carbon (EPA Method 9060A)		ND	1,500 B	1,700 B	1,600 B	2,200

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
F1- MS and/or MSD Recovery exceeds the control limits
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

ATTACHMENTS

SITE INSPECTION

GUIDANCE FOR PASS AND SEYMOUR TO MAINTAIN COMPLIANCE WITH BROWNFIELD PROGRAM

- If any disturbance of the ground is to occur check with DW Stoner and read the excavation work plan.

- Check SSDS pressure gauges at least monthly and record pressure(s), date and time. If any pressure falls below 0.5, call DW Stoner immediately.

- Make sure that vegetation is removed from areas marked as engineering controls at least annually. The goal is to eliminate vegetation that could disturb (break up) any paving, concrete slab or gravel area marked as an engineering control.

- Make sure that monitoring wells are not disturbed.

- When in doubt check the Site Management Plan and call DW Stoner.

David W. Stoner
Tel. no.: 315- 447-8733
Email: dstoner@dwstoner.com

GUIDANCE FOR PASS AND SEYMOUR TO MAINTAIN COMPLIANCE WITH BROWNFIELD PROGRAM

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David W. Stoner
Tel. no.: 315- 447-8733
Email: dstoner@dwstoner.com

Confirmatory Sample Results

PHOENIX
Environmental Laboratories, Inc.

Tuesday, September 18, 2018

Attn: Kim Bland
EPS of Vermont
532 State Fair Blvd
Syracuse, NY 13204

Project ID: DW STONER P&S SOIL REMOVAL
Sample ID#s: CB31384 - CB31386

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

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

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 18, 2018

FOR: Attn: Kim Bland
EPS of Vermont
532 State Fair Blvd
Syracuse, NY 13204

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/13/18	15:00
Location Code:	EP&SSYRC	Received by:	CP	09/14/18	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	40999N				

Laboratory Data

SDG ID: GCB31384
Phoenix ID: CB31384

Project ID: DW STONER P&S SOIL REMOVAL
Client ID: P&S SB1155W

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	66		%		09/14/18	DA	SW846-%Solid	
Volatiles								
1,1,1,2-Tetrachloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1,1-Trichloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1,2-Trichloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1-Dichloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1-Dichloroethene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1-Dichloropropene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,3-Trichloropropane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dibromoethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dichlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dichloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dichloropropane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,3-Dichlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,3-Dichloropropane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,4-Dichlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
2,2-Dichloropropane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
2-Chlorotoluene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
2-Hexanone	< 0.02	0.02	mg/Kg	1	09/15/18	JLI	SW8260C	
2-Isopropyltoluene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	1
4-Chlorotoluene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	

Project ID: DW STONER P&S SOIL REMOVAL
Client ID: P&S SB1155W

Phoenix I.D.: CB31384

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	< 0.02	0.02	mg/Kg	1	09/15/18	JLI	SW8260C	
Acetone	< 0.02	0.02	mg/Kg	1	09/15/18	JLI	SW8260C	
Acrylonitrile	< 0.008	0.008	mg/Kg	1	09/15/18	JLI	SW8260C	
Benzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromochloromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromodichloromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromoform	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromomethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Carbon Disulfide	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Carbon tetrachloride	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Chlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Chloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Chloroform	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Chloromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
cis-1,2-Dichloroethene	0.014	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
cis-1,3-Dichloropropene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Dibromochloromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Dibromomethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Dichlorodifluoromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Ethylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Hexachlorobutadiene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Isopropylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
m&p-Xylene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Methyl Ethyl Ketone	< 0.02	0.02	mg/Kg	1	09/15/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	< 0.008	0.008	mg/Kg	1	09/15/18	JLI	SW8260C	
Methylene chloride	< 0.008	0.008	mg/Kg	1	09/15/18	JLI	SW8260C	
Naphthalene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
n-Butylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
n-Propylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
o-Xylene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
p-Isopropyltoluene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
sec-Butylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Styrene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
tert-Butylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Tetrachloroethene	14	4.2	mg/Kg	500	09/15/18	JLI	SW8260C	
Tetrahydrofuran (THF)	< 0.008	0.008	mg/Kg	1	09/15/18	JLI	SW8260C	1
Toluene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Total Xylenes	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
trans-1,2-Dichloroethene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
trans-1,3-Dichloropropene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	< 0.008	0.008	mg/Kg	1	09/15/18	JLI	SW8260C	
Trichloroethene	340	17	mg/Kg	2000	09/17/18	JLI	SW8260C	
Trichlorofluoromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Trichlorotrifluoroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Vinyl chloride	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95		%	1	09/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	100		%	1	09/15/18	JLI	70 - 130 %	

Ver 1

Project ID: DW STONER P&S SOIL REMOVAL
Client ID: P&S SB1155W

Phoenix I.D.: CB31384

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Dibromofluoromethane	109		%	1	09/15/18	JLI	70 - 130 %	
% Toluene-d8	164		%	1	09/15/18	JLI	70 - 130 %	3
Field Extraction	Completed				09/13/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile comment:
**Poor surrogate recovery was observed for volatiles due to matrix interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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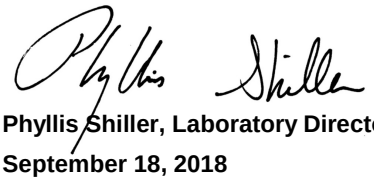

Phyllis Shiller, Laboratory Director
September 18, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 18, 2018

FOR: Attn: Kim Bland
EPS of Vermont
532 State Fair Blvd
Syracuse, NY 13204

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/13/18	15:00
Location Code:	EP&SSYRC	Received by:	CP	09/14/18	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	40999N				

Laboratory Data

SDG ID: GCB31384
Phoenix ID: CB31385

Project ID: DW STONER P&S SOIL REMOVAL
Client ID: P&S SB115NW

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	53		%		09/14/18	DA	SW846-%Solid	
Volatiles								
1,1,1,2-Tetrachloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1,1-Trichloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1,2-Trichloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1-Dichloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1-Dichloroethene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1-Dichloropropene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,3-Trichloropropane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dibromoethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dichlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dichloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dichloropropane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,3-Dichlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,3-Dichloropropane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
1,4-Dichlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
2,2-Dichloropropane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
2-Chlorotoluene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
2-Hexanone	< 0.02	0.02	mg/Kg	1	09/15/18	JLI	SW8260C	
2-Isopropyltoluene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	1
4-Chlorotoluene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	

Project ID: DW STONER P&S SOIL REMOVAL
Client ID: P&S SB115NW

Phoenix I.D.: CB31385

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	< 0.02	0.02	mg/Kg	1	09/15/18	JLI	SW8260C	
Acetone	< 0.02	0.02	mg/Kg	1	09/15/18	JLI	SW8260C	
Acrylonitrile	< 0.0079	0.0079	mg/Kg	1	09/15/18	JLI	SW8260C	
Benzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromochloromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromodichloromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromoform	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromomethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Carbon Disulfide	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Carbon tetrachloride	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Chlorobenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Chloroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Chloroform	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Chloromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
cis-1,2-Dichloroethene	3	2.7	mg/Kg	500	09/15/18	JLI	SW8260C	
cis-1,3-Dichloropropene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Dibromochloromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Dibromomethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Dichlorodifluoromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Ethylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Hexachlorobutadiene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Isopropylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
m&p-Xylene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Methyl Ethyl Ketone	< 0.02	0.02	mg/Kg	1	09/15/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	< 0.0079	0.0079	mg/Kg	1	09/15/18	JLI	SW8260C	
Methylene chloride	< 0.0079	0.0079	mg/Kg	1	09/15/18	JLI	SW8260C	
Naphthalene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
n-Butylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
n-Propylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
o-Xylene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
p-Isopropyltoluene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
sec-Butylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Styrene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
tert-Butylbenzene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Tetrachloroethene	38	6.8	mg/Kg	500	09/15/18	JLI	SW8260C	
Tetrahydrofuran (THF)	< 0.0079	0.0079	mg/Kg	1	09/15/18	JLI	SW8260C	1
Toluene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Total Xylenes	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
trans-1,2-Dichloroethene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
trans-1,3-Dichloropropene	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	< 0.0079	0.0079	mg/Kg	1	09/15/18	JLI	SW8260C	
Trichloroethene	330	14	mg/Kg	1000	09/16/18	JLI	SW8260C	
Trichlorofluoromethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Trichlorotrifluoroethane	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
Vinyl chloride	< 0.004	0.004	mg/Kg	1	09/15/18	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95		%	1	09/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	102		%	1	09/15/18	JLI	70 - 130 %	

Ver 1

Project ID: DW STONER P&S SOIL REMOVAL
Client ID: P&S SB115NW

Phoenix I.D.: CB31385

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Dibromofluoromethane	103		%	1	09/15/18	JLI	70 - 130 %	
% Toluene-d8	163		%	1	09/15/18	JLI	70 - 130 %	3
Field Extraction	Completed				09/13/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile comment:
**Poor surrogate recovery was observed for volatiles due to matrix interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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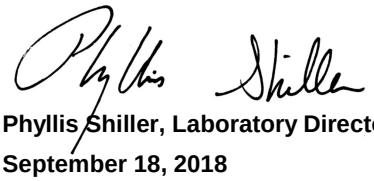


Phyllis Shiller, Laboratory Director
September 18, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 18, 2018

FOR: Attn: Kim Bland
EPS of Vermont
532 State Fair Blvd
Syracuse, NY 13204

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/13/18	15:00
Location Code:	EP&SSYRC	Received by:	CP	09/14/18	11:01
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	40999N				

Laboratory Data

SDG ID: GCB31384
Phoenix ID: CB31386

Project ID: DW STONER P&S SOIL REMOVAL
Client ID: P&S SB115N

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Percent Solid	34		%		09/14/18	DA	SW846-%Solid	
Volatiles								
1,1,1,2-Tetrachloroethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1,1-Trichloroethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1,2-Trichloroethane	0.0068	0.0055	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1-Dichloroethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1-Dichloroethene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,1-Dichloropropene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,3-Trichlorobenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,3-Trichloropropane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,4-Trichlorobenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2,4-Trimethylbenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dibromoethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dichlorobenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dichloroethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,2-Dichloropropane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,3,5-Trimethylbenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,3-Dichlorobenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,3-Dichloropropane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
1,4-Dichlorobenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
2,2-Dichloropropane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
2-Chlorotoluene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
2-Hexanone	< 0.035	0.035	mg/Kg	1	09/15/18	JLI	SW8260C	
2-Isopropyltoluene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	1
4-Chlorotoluene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	

Project ID: DW STONER P&S SOIL REMOVAL
Client ID: P&S SB115N

Phoenix I.D.: CB31386

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	< 0.035	0.035	mg/Kg	1	09/15/18	JLI	SW8260C	
Acetone	< 0.035	0.035	mg/Kg	1	09/15/18	JLI	SW8260C	
Acrylonitrile	< 0.014	0.014	mg/Kg	1	09/15/18	JLI	SW8260C	
Benzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromobenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromochloromethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromodichloromethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromoform	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Bromomethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Carbon Disulfide	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Carbon tetrachloride	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Chlorobenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Chloroethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Chloroform	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Chloromethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
cis-1,2-Dichloroethene	0.041	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
cis-1,3-Dichloropropene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Dibromochloromethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Dibromomethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Dichlorodifluoromethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Ethylbenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Hexachlorobutadiene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Isopropylbenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
m&p-Xylene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Methyl Ethyl Ketone	< 0.035	0.035	mg/Kg	1	09/15/18	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	< 0.014	0.014	mg/Kg	1	09/15/18	JLI	SW8260C	
Methylene chloride	< 0.014	0.014	mg/Kg	1	09/15/18	JLI	SW8260C	
Naphthalene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
n-Butylbenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
n-Propylbenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
o-Xylene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
p-Isopropyltoluene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
sec-Butylbenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Styrene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
tert-Butylbenzene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Tetrachloroethene	54	19	mg/Kg	1000	09/15/18	JLI	SW8260C	
Tetrahydrofuran (THF)	< 0.014	0.014	mg/Kg	1	09/15/18	JLI	SW8260C	1
Toluene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Total Xylenes	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
trans-1,2-Dichloroethene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
trans-1,3-Dichloropropene	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
trans-1,4-dichloro-2-butene	< 0.014	0.014	mg/Kg	1	09/15/18	JLI	SW8260C	
Trichloroethene	3100	190	mg/Kg	10000	09/16/18	JLI	SW8260C	
Trichlorofluoromethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Trichlorotrifluoroethane	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
Vinyl chloride	< 0.0069	0.0069	mg/Kg	1	09/15/18	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	09/15/18	JLI	70 - 130 %	
% Bromofluorobenzene	93		%	1	09/15/18	JLI	70 - 130 %	

Ver 1

Project ID: DW STONER P&S SOIL REMOVAL
Client ID: P&S SB115N

Phoenix I.D.: CB31386

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
% Dibromofluoromethane	105		%	1	09/15/18	JLI	70 - 130 %	
% Toluene-d8	177		%	1	09/15/18	JLI	70 - 130 %	3
Field Extraction	Completed				09/13/18		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

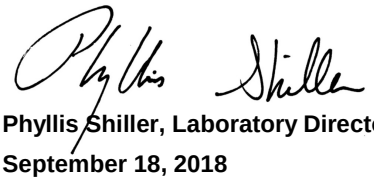
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile comment:
**Poor surrogate recovery was observed for volatiles due to matrix interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
September 18, 2018
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

September 18, 2018

QA/QC Data

SDG I.D.: GCB31384

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 447676 (mg/Kg), QC Sample No: CB31442 (CB31384, CB31385, CB31386)											
Volatiles - Soil											
1,1,1,2-Tetrachloroethane	ND	0.005	99	101	2.0	99	95	4.1	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	104	110	5.6	112	105	6.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	103	108	4.7	104	110	5.6	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	102	105	2.9	101	86	16.0	70 - 130	30	
1,1-Dichloroethane	ND	0.005	104	112	7.4	113	103	9.3	70 - 130	30	
1,1-Dichloroethene	ND	0.005	110	117	6.2	117	105	10.8	70 - 130	30	
1,1-Dichloropropene	ND	0.005	103	107	3.8	108	94	13.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	93	98	5.2	72	95	27.5	70 - 130	30	
1,2,3-Trichloropropane	ND	0.005	90	97	7.5	97	103	6.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	90	92	2.2	68	92	30.0	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	0.001	93	96	3.2	92	84	9.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	100	113	12.2	102	90	12.5	70 - 130	30	
1,2-Dibromoethane	ND	0.005	97	101	4.0	95	70	30.3	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	101	102	1.0	91	99	8.4	70 - 130	30	
1,2-Dichloroethane	ND	0.005	105	108	2.8	104	84	21.3	70 - 130	30	
1,2-Dichloropropane	ND	0.005	109	108	0.9	105	97	7.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	94	96	2.1	94	94	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	92	96	4.3	85	93	9.0	70 - 130	30	
1,3-Dichloropropane	ND	0.005	98	98	0.0	95	83	13.5	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	98	102	4.0	89	98	9.6	70 - 130	30	
2,2-Dichloropropane	ND	0.005	104	114	9.2	112	110	1.8	70 - 130	30	
2-Chlorotoluene	ND	0.005	95	101	6.1	96	88	8.7	70 - 130	30	
2-Hexanone	ND	0.025	88	94	6.6	92	79	15.2	70 - 130	30	
2-Isopropyltoluene	ND	0.005	100	105	4.9	103	100	3.0	70 - 130	30	
4-Chlorotoluene	ND	0.005	92	97	5.3	92	72	24.4	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	103	111	7.5	109	101	7.6	70 - 130	30	
Acetone	ND	0.01	88	99	11.8	104	89	15.5	70 - 130	30	
Acrylonitrile	ND	0.005	95	113	17.3	102	84	19.4	70 - 130	30	
Benzene	ND	0.001	102	105	2.9	106	95	10.9	70 - 130	30	
Bromobenzene	ND	0.005	103	106	2.9	100	79	23.5	70 - 130	30	
Bromochloromethane	ND	0.005	101	103	2.0	101	82	20.8	70 - 130	30	
Bromodichloromethane	ND	0.005	106	108	1.9	104	91	13.3	70 - 130	30	
Bromoform	ND	0.005	98	102	4.0	92	78	16.5	70 - 130	30	
Bromomethane	ND	0.005	108	112	3.6	122	108	12.2	70 - 130	30	
Carbon Disulfide	ND	0.005	107	117	8.9	120	96	22.2	70 - 130	30	
Carbon tetrachloride	ND	0.005	102	110	7.5	109	102	6.6	70 - 130	30	
Chlorobenzene	ND	0.005	100	103	3.0	101	78	25.7	70 - 130	30	
Chloroethane	ND	0.005	111	114	2.7	120	107	11.5	70 - 130	30	
Chloroform	ND	0.005	101	108	6.7	108	98	9.7	70 - 130	30	
Chloromethane	ND	0.005	95	103	8.1	106	95	10.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005	104	113	8.3	112	88	24.0	70 - 130	30	

QA/QC Data

SDG I.D.: GCB31384

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	0.005	106	107	0.9	102	73	33.1	70 - 130	30	r
Dibromochloromethane	ND	0.003	107	110	2.8	104	89	15.5	70 - 130	30	
Dibromomethane	ND	0.005	102	111	8.5	102	75	30.5	70 - 130	30	
Dichlorodifluoromethane	ND	0.005	90	97	7.5	112	98	13.3	70 - 130	30	
Ethylbenzene	ND	0.001	97	100	3.0	101	87	14.9	70 - 130	30	
Hexachlorobutadiene	ND	0.005	101	105	3.9	89	103	14.6	70 - 130	30	
Isopropylbenzene	ND	0.001	97	102	5.0	103	105	1.9	70 - 130	30	
m&p-Xylene	ND	0.002	94	96	2.1	93	81	13.8	70 - 130	30	
Methyl ethyl ketone	ND	0.005	97	109	11.7	106	91	15.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	101	106	4.8	106	103	2.9	70 - 130	30	
Methylene chloride	ND	0.005	103	106	2.9	104	90	14.4	70 - 130	30	
Naphthalene	ND	0.005	101	107	5.8	81	98	19.0	70 - 130	30	
n-Butylbenzene	ND	0.001	98	102	4.0	94	100	6.2	70 - 130	30	
n-Propylbenzene	ND	0.001	96	100	4.1	98	91	7.4	70 - 130	30	
o-Xylene	ND	0.002	98	101	3.0	98	87	11.9	70 - 130	30	
p-Isopropyltoluene	ND	0.001	96	100	4.1	95	87	8.8	70 - 130	30	
sec-Butylbenzene	ND	0.001	100	105	4.9	104	98	5.9	70 - 130	30	
Styrene	ND	0.005	91	93	2.2	87	89	2.3	70 - 130	30	
tert-Butylbenzene	ND	0.001	99	104	4.9	103	109	5.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	97	111	13.5	105	101	3.9	70 - 130	30	
Toluene	ND	0.001	105	109	3.7	106	92	14.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	100	109	8.6	108	86	22.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	99	100	1.0	93	92	1.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	101	106	4.8	99	93	6.3	70 - 130	30	
Trichlorofluoromethane	ND	0.005	105	114	8.2	122	113	7.7	70 - 130	30	
Trichlorotrifluoroethane	ND	0.005	100	108	7.7	115	109	5.4	70 - 130	30	
Vinyl chloride	ND	0.005	109	115	5.4	121	105	14.2	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	%	102	101	1.0	100	106	5.8	70 - 130	30	
% Bromofluorobenzene	102	%	99	101	2.0	100	94	6.2	70 - 130	30	
% Dibromofluoromethane	105	%	101	105	3.9	98	97	1.0	70 - 130	30	
% Toluene-d8	86	%	106	106	0.0	106	104	1.9	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 447698 (mg/Kg), QC Sample No: CB31483 (CB31384 (2000X))

Volatiles - Soil

Trichloroethene	ND	0.005	115	117	1.7				70 - 130	30	

Comment:

The MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 447704 (mg/Kg), QC Sample No: CB31684 (CB31384 (500X) , CB31385 (500X) , CB31386 (1000X))

Volatiles - Soil

cis-1,2-Dichloroethene	ND	0.005	106	105	0.9	105			70 - 130	30	
Tetrachloroethene	ND	0.005	110	107	2.8	87			70 - 130	30	

Comment:

The MSD is not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 447671 (mg/Kg), QC Sample No: CB31919 (CB31385 (1000X) , CB31386 (10000X))

Volatiles - Soil

Trichloroethene	ND	0.005	95	102	7.1				70 - 130	30	

QA/QC Data

SDG I.D.: GCB31384

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

The MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

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

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

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

Phyllis Shiller, Laboratory Director
September 18, 2018

Tuesday, September 18, 2018

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCB31384 - EPSSYRC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

September 18, 2018 SDG I.D.: GCB31384

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

VOA Narration

CHEM18 09/14/18-2: CB31384, CB31385, CB31386

The following Initial Calibration compounds did not meet RSD% criteria: 1,2,3-Trichloropropane 21% (20%), 2-Hexanone 28% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

September 18, 2018

SDG I.D.: GCB31384

The samples in this delivery group were received at 13.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler Custody Seal: Yes ☐ No ☐
Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐ No ☐
Temp 13.7 C

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Pg of

Contact Options:
☐ Fax: 315-457-6652
☐ Phone: 315-451-6666
☐ Email:

Customer: EP&S of Vermont
Address: 532 State Fair Blvd.
Syracuse, NY 13204

Project: D w Stonar P+S Soil removal
Report to: D w Stonar
Invoice to: kimberly Bland

Project P.O: 40999 N

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: DWS Date: 9/13/18

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	8260 C	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (2) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
P+S SB1155W	Same	Soil	9/13/18	3pm	✓			31384			✓	1			
P+S SB1155NW	"	Soil	"	"	✓			31385			✓	1			
P+S SB1155N	"	Soil	"	"	✓			31386			✓	1			

Relinquished by:	Accepted by:	Date:	Time:
D Stone		9/13/18	3:5
	UPS	9/13/8	4:50
UPS		9.14.18	11:01

Comments, Special Requirements or Regulations:

Email a copy of all results to Kim Bland -(kbland@epsofvermont.com)

Always return cooler and ice packs

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ 5 Days
☐ 10 Days
☐ Other

* SURCHARGE APPLIES
standard

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ Impact to GW soil screen Criteria
☐ GW Criteria

What State were samples collected? NY

NY
☐ TOGS GW
☐ CP-51 SOIL
☐ 375SCO Unrestricted Soil
☐ 375SCO Residential Soil
☐ 375SCO Residential Restricted Soil
☐ 375SCO Commercial Soil
☐ 375SCO Industrial Soil
☐ Subpart 5 DW

Data Format
☑ Phoenix Std Report
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

PFA Analytical Sample Results

ALS Environmental
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www.alsglobal.com

October 26, 2018

Analytical Report for Service Request No: R1808931

Brady Kalkman
ALS Environmental
1565 Jefferson Rd, Building 300
Suite 360
Rochester, NY 14623

RE: David Stoner - Pass & Seymor / N18231

Dear Brady Kalkman,

Enclosed are the results of the sample(s) submitted to our laboratory September 18, 2018
For your reference, these analyses have been assigned our service request number **R1808931.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 3275. You may also contact me via email at Chris.Leaf@ALSGlobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Chris Leaf
Project Manager

ALS Environmental

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Client:	EPS of Vermont, Inc. (Env Prod & Serv of VT, Inc.)	**Service Request:**	R1808931
Project:	David Stoner - Pass & Seymor/N18231	**Date Collected:**	09/17/18 14:45
Sample Matrix:	Soil	**Date Received:**	09/18/18 09:30
Sample Name:	WC-S-01	**Units:**	ng/g
Lab Code:	R1808931-001	**Basis:**	Dry

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3550B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkane Sulfonic Acids							
Perfluorobutane sulfonic acid (PFBS)	ND U	1.1	0.19	1	10/16/18 17:13	10/1/18	
Perfluorohexane sulfonic acid (PFHxS)	**0.35 J**	1.1	0.19	1	10/16/18 17:13	10/1/18	*
Perfluoroheptane sulfonic acid (PFHpS)	ND U	1.1	0.15	1	10/16/18 17:13	10/1/18	*
Perfluorooctane sulfonic acid (PFOS)	**0.91 J**	1.1	0.19	1	10/16/18 17:13	10/1/18	
Perfluorodecane sulfonic acid (PFDS)	ND U	1.1	0.19	1	10/16/18 17:13	10/1/18	
Perfluoroalkane Carboxylic Acids							
Perfluorobutanoic acid (PFBA)	ND U	1.1	0.20	1	10/16/18 17:13	10/1/18	
Perfluoropentanoic acid (PFPeA)	ND U	1.1	0.21	1	10/16/18 17:13	10/1/18	
Perfluorohexanoic acid (PFHxA)	ND U	1.1	0.23	1	10/16/18 17:13	10/1/18	
Perfluoroheptanoic acid (PFHpA)	ND U	1.1	0.24	1	10/16/18 17:13	10/1/18	
Perfluorooctanoic acid (PFOA)	ND U	1.1	0.20	1	10/16/18 17:13	10/1/18	
Perfluorononanoic acid (PFNA)	ND U	1.1	0.20	1	10/16/18 17:13	10/1/18	
Perfluorodecanoic acid (PFDA)	ND U	1.1	0.22	1	10/16/18 17:13	10/1/18	
Perfluoroundecanoic acid (PFUnDA)	ND U	1.1	0.27	1	10/16/18 17:13	10/1/18	
Perfluorododecanoic acid (PFDoDA)	ND U	1.1	0.28	1	10/16/18 17:13	10/1/18	
Perfluorotridecanoic acid (PFTrDA)	ND U	1.1	0.17	1	10/16/18 17:13	10/1/18	
Perfluorotetradecanoic acid (PFTeDA)	ND U	1.1	0.41	1	10/16/18 17:13	10/1/18	
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	ND U	1.1	0.14	1	10/16/18 17:13	10/1/18	
N-Methyl perfluorooctane sulfonamidoacetic acid	**0.12 J**	1.1	0.091	1	10/16/18 17:13	10/1/18	*
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	1.1	0.12	1	10/16/18 17:13	10/1/18	
(n:2) Fluorotelomer Sulfonic Acids							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ND U	1.1	0.19	1	10/16/18 17:13	10/1/18	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ND U	1.1	0.24	1	10/16/18 17:13	10/1/18	

Analytical Report

Client:	EPS of Vermont, Inc. (Env Prod & Serv of VT, Inc.)	**Service Request:**	R1808931
Project:	David Stoner - Pass & Seymor/N18231	**Date Collected:**	09/17/18 14:45
Sample Matrix:	Soil	**Date Received:**	09/18/18 09:30
Sample Name:	WC-S-01	**Units:**	ng/g
Lab Code:	R1808931-001	**Basis:**	Dry

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3550B

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	83	50 - 150	10/16/18 17:13	
18O2-PFHxS	105	50 - 150	10/16/18 17:13	
13C4-PFOS	101	50 - 150	10/16/18 17:13	
13C4-PFBA	92	50 - 150	10/16/18 17:13	
13C5-PFPeA	106	50 - 150	10/16/18 17:13	
13C2-PFHxA	108	50 - 150	10/16/18 17:13	
13C4-PFHpA	122	50 - 150	10/16/18 17:13	
13C4-PFOA	114	50 - 150	10/16/18 17:13	
13C5-PFNA	117	50 - 150	10/16/18 17:13	
13C2-PFDA	127	50 - 150	10/16/18 17:13	
13C2-PFUnDA	145	50 - 150	10/16/18 17:13	
13C2-PFDoDA	119	50 - 150	10/16/18 17:13	
13C2-PFTeDA	122	50 - 150	10/16/18 17:13	
13C8-FOSA	104	50 - 150	10/16/18 17:13	
D3-MeFOSAA	146	50 - 150	10/16/18 17:13	
D5-EtFOSAA	160	50 - 150	10/16/18 17:13	*
13C2-6:2 FTS	155	50 - 150	10/16/18 17:13	*
13C2-8:2 FTS	216	50 - 150	10/16/18 17:13	*

Client:	EPS of Vermont, Inc. (Env Prod & Serv of VT, Inc.)	**Service Request:**	R1808931
Project:	David Stoner - Pass & Seymor/N18231	**Date Collected:**	09/17/18 14:50
Sample Matrix:	Soil	**Date Received:**	09/18/18 09:30
Sample Name:	WC-S-02	**Units:**	ng/g
Lab Code:	R1808931-002	**Basis:**	Dry

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3550B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkane Sulfonic Acids							
Perfluorobutane sulfonic acid (PFBS)	ND U	1.0	0.18	1	10/16/18 17:45	10/1/18	
Perfluorohexane sulfonic acid (PFHxS)	**0.18 J**	1.0	0.18	1	10/16/18 17:45	10/1/18	*
Perfluoroheptane sulfonic acid (PFHpS)	ND U	1.0	0.15	1	10/16/18 17:45	10/1/18	*
Perfluorooctane sulfonic acid (PFOS)	**0.63 J**	1.0	0.18	1	10/16/18 17:45	10/1/18	
Perfluorodecane sulfonic acid (PFDS)	ND U	1.0	0.18	1	10/16/18 17:45	10/1/18	
Perfluoroalkane Carboxylic Acids							
Perfluorobutanoic acid (PFBA)	ND U	1.0	0.19	1	10/16/18 17:45	10/1/18	
Perfluoropentanoic acid (PFPeA)	ND U	1.0	0.20	1	10/16/18 17:45	10/1/18	
Perfluorohexanoic acid (PFHxA)	**0.26 J**	1.0	0.22	1	10/16/18 17:45	10/1/18	
Perfluoroheptanoic acid (PFHpA)	ND U	1.0	0.23	1	10/16/18 17:45	10/1/18	
Perfluorooctanoic acid (PFOA)	ND U	1.0	0.19	1	10/16/18 17:45	10/1/18	
Perfluorononanoic acid (PFNA)	ND U	1.0	0.19	1	10/16/18 17:45	10/1/18	
Perfluorodecanoic acid (PFDA)	ND U	1.0	0.21	1	10/16/18 17:45	10/1/18	
Perfluoroundecanoic acid (PFUnDA)	ND U	1.0	0.26	1	10/16/18 17:45	10/1/18	
Perfluorododecanoic acid (PFDoDA)	ND U	1.0	0.27	1	10/16/18 17:45	10/1/18	
Perfluorotridecanoic acid (PFTrDA)	ND U	1.0	0.16	1	10/16/18 17:45	10/1/18	
Perfluorotetradecanoic acid (PFTeDA)	ND U	1.0	0.39	1	10/16/18 17:45	10/1/18	
Perfluoroalkyl Sulfonamides							
Perfluorooctane sulfonamide (FOSA)	ND U	1.0	0.14	1	10/16/18 17:45	10/1/18	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	1.0	0.087	1	10/16/18 17:45	10/1/18	*
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	1.0	0.12	1	10/16/18 17:45	10/1/18	
(n:2) Fluorotelomer Sulfonic Acids							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ND U	1.0	0.18	1	10/16/18 17:45	10/1/18	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ND U	1.0	0.23	1	10/16/18 17:45	10/1/18	

Manifests

012283015FLE

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD 002 228 799	1	(800) 839-3975	012283015 FLE

5. Generator's Name and Mailing Address: PASS AND SEYMOUR
PO BOX 4822
SYRACUSE, NY 13221-4822

Generator's Site Address (if different than mailing address): 50 BOYD AVENUE
SOLVAY, NY 13209

Generator's Phone: (315) 569-9438

6. Transporter 1 Company Name: EQ NORTHEAST, INC. — U.S. EPA ID Number: MAD 084 814 136

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: ENGLOBE CORP.
8365 BROADWAY, NORTH
MONTREAL-EST, QC H1B 5X7
Facility's Phone: (514) 644-1405
U.S. EPA ID Number: 116 728 020 6

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
X	1. RQ, UN3077, WASTE Environmentally hazardous substances, solid, n.o.s., (Trichloroethylene), 9, PGIII, (F001,D040), ERG #171	1	CM	20	~~P~~ T	D040	F001
	2.						
	3.						
	4.						

14. Special Handling Instructions and Additional Information
1. M15653 / SOIL WITH TRICHLOROETHYLENE / CONSENT NUMBER: 020703E18001
EQ NORTHEAST, INC. ACTING AS THE RECOGNIZED TRADER ARRANGING FOR EXPORT
CAN # 276 ITN # - X20181204086570

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Donna Lino — Signature: [signature] — Month 12 Day 4 Year 18

16. International Shipments: ☐ Import to U.S. ☒ Export from U.S. — Port of entry/exit: Champlain, NY
Transporter signature (for exports only): R. Scoggins — Date leaving U.S.: 12-5-18

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RUSTY SCOGGINS — Signature: R. Scoggins — Month 12 Day 4 Year 18
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
NET
Manifest Reference Number: P-10496

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Karilou Arvelo — Signature: [signature] — Month 12 Day 05 Year 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.
DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

2018/12/05 09:29

2019/12/12 09:39 P-10496

Englobe Centre de traitement de sol / Soil Treatment Facility
8365, Broadway Nord, Montréal (Québec) H1B 5X7

N° d'autorisation / *Authorization No.:* M15653

Plage de contamination / *Contamination level* :

☐ *AB* ☐ *BC* ☐ *>C* ☒ *>RESC (>D)*

☐ Autres / *Other:*

Transporteur / *Carrier:* EQ Northeast

Immatriculation / *Truek ID:* 91379

Signature du conducteur / *Driver's signature*

Acceptation des sols / *Soil acceptance*

Lot 3287 AT 11 (1-5)

Polythène	☑ OUI	☐ NON
Sable	☑ OUI	☐ NON
Humide	☑ OUI	☐ NON

Pesée / Weighing:

ID	91379.
GROSS	34750 kg
ID	91379.
GROSS	34750 kg
TARE	19620 kg
NET	15130 kg

Manifeste Canada 9777349-3

Manifeste USA 01228315FLE

012283014FLE

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD 002 228 799
2. Page 1 of: 1
3. Emergency Response Phone: (800) 839-3975
4. Manifest Tracking Number: 012283014 FLE

5. Generator's Name and Mailing Address: PASS AND SEYMOUR
PO BOX 4822
SYRACUSE, NY 13221-4822

Generator's Site Address (if different than mailing address):
50 BOYD AVENUE
SOLVAY, NY 13209

Generator's Phone: (315) 569-9438

6. Transporter 1 Company Name: EQ NORTHEAST, INC. — U.S. EPA ID Number: MAD 084 814 136

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: ENGLOBE CORP.
8365 BROADWAY, NORTH
MONTREAL-EST, QC H1B 5X7
Facility's Phone: (514) 644-1405
U.S. EPA ID Number: 116 728 020 6

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN3077, WASTE Environmentally hazardous substances, solid, n.o.s., (Trichloroethylene), 9, PGIII, (F001,D040), ERG #171	1	CM	15	T (RS)	D040	F001	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. M15653 / SOIL WITH TRICHLOROETHYLENE / CONSENT NUMBER: 020703E16001
EQ NORTHEAST, INC. ACTING AS THE RECOGNIZED TRADER ARRANGING FOR EXPORT

ITN #-X20181206197709

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [signature] — Signature: [signature] — Month 12 Day 5 Year 18

16. International Shipments: ☐ Import to U.S. ☒ Export from U.S. — Port of entry/exit: CHAMPLAIN NY
Transporter signature (for exports only): R. S[signature] — Date leaving U.S.: 12-7-18 (RS)

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RUSTY SCOGGINS — Signature: R. Scoggins — Month 12 Day 5 Year 18
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
NET:
Manifest Reference Number: P-10095

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Stanley Arruda — Signature: [signature] — Month 12 Day 07 Year 18

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Englobe Centre de traitement de sol / Soil Treatment Facility
8365, Broadway Nord, Montréal (Québec) HIB 5X7

2018/12/07 09:07
2018/12/12 09:03

P- 10095

N' d'autorisation / *Authorization No.:* M15653

Plage de contamination / *Contamination level* :

☐ *AB* ☐ *BC* ☐ *>C* ☒ *>RESC (>D)*

☐ Autres / *Other:*

Transporteur / *Carrier:* EQ Northeast

Immatriculation / *Truek ID:* 91379

Signature du conducteur / *Driver's signature*

Acceptation des sols / *Soil acceptance*

Lot 3287 AT 11 (1-5)

Polythène	☐ OUI	☐ NON
Sable	☑ OUI	☐ NON
Humide	☑ OUI	☐ NON

Pesée / Weighing:

ID	01379.
GROSS	28280 kg
ID	01379.
GROSS	28280 kg
TARE	19680 kg
NET	8600 kg

Manifeste Canada 9772351-9

Manifeste USA 012783014FLE

Photo of excavation at
SB-11 Looking Northwest

Photo of excavation at
SB-12- Looking East