REMEDIAL INVESTIGATION/FEASIBILITY STUDY REPORT

OBI, LLC PROPERTIES
245-265 HOLLENBECK STREET, 271 HOLLENBECK STREET, AND 50 BALFOUR DRIVE
ROCHESTER, NEW YORK 14621-3257
NYSDEC SITE NO. 828188

Prepared For: OBI, LLC
Rochester, New York

Prepared By: Day Engineering, P.C.
1563 Lyell Avenue
Rochester, New York 14606

Project No. 5211S-16

Date: August 24, 2017 (Revised November 26, 2019)

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I, David D. Day, P.E., certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375, and that this Remedial Investigation/Feasibility Study report was prepared in accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

David D. Day, P.E.
President
Day Engineering, P.C.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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February 19, 2020

Mr. Mike McAlpin
OBI, LLC
255 Hollenbeck Street
Rochester, New York 14621

Dear Mr. McAlpin;

Re: OBI, LLC Site #828188
Remedial Investigation/Feasibility Study Report
November 26, 2019
245-265 & 271 Hollenbeck Street and 50 Balfour Drive
City of Rochester, Monroe County

The New York State Departments of Environmental Conservation (NYSDEC) and Health, collectively referred to as the Departments, have completed their review of the document entitled *"Remedial Investigation/Feasibility Study Report"* (the Report) dated November 26, 2019 and prepared by Day Engineering, P.C. for the OBI, LLC site. In accordance with 6 NYCRR Part 375-1.6, the Departments have determined that the Report, with modifications, substantially addresses the requirements of the Order-on-Consent. The modifications are outlined as follows.

- Areas of Concern also includes all areas identified as potential sources of contamination and areas where soil exhibits a distinct odor or other type of nuisance (e.g., staining, sheen etc.);
- Additional investigation will be completed, if needed, to select and design the final remedy; and
- Report approval applies to the Remedial Investigation but does not extend to the Feasibility Study (FS). The FS provides sufficient information for the Departments to evaluate remedial alternatives and propose a final remedy for the site, but the Departments' alternatives and evaluations may vary from those included in the FS.

With the understanding that the Departments' modified Report is agreed to, the Report is hereby approved.

Please attach this letter to the Report and distribute as follows prior to the start of the public comment period for the proposed remedy:

- Frank Sowers (NYSDEC, Avon) - 1 hard copy;

- Jacquelyn Nealon (NYSDOH, Albany) – 1 hard copy;
- Wade Silkworth (MCHD) - 1 electronic copy; and
- Document repository at Lincoln Branch Library - 1 hard copy.

The hard copies of the approved modified Report should be submitted double-sided.

If OBI, LLC chooses not to accept the approved modified Report, you are required to notify this office within 20 days after receipt of this letter. In this event, I suggest a meeting be scheduled to discuss your concerns prior to the end of this 20-day period.

We look forward to working together to bring this site back into productive use. Please contact me at (585) 226-5357 if you have questions or concerns on this matter.

Sincerely,

Frank Sowers

Frank Sowers, P.E.
Professional Engineer 1

ec:

D. Pratt	W. Silkworth	J. Frazer
J. Nealon	B. Kline	D. Loew
J. Deming	H. McLennan	M. Cruden
N. Simon		

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INTRODUCTION

The Site is located on Hollenbeck Street and Balfour Drive in Rochester, New York and consists of three parcels identified as 245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive. The three parcels cover approximately 6.4 acres of land and are developed with two buildings. The Main Building is approximately 134,000 square feet in size and is located at 50 Balfour Drive. The Main Building is currently used for electroplating and metal stamping. The second building is an approximate 8,000 square foot building located at 245-265 Hollenbeck Street. This building is currently used as a warehouse and equipment storage facility. The 271 Hollenbeck Street parcel currently has a roadway on it. This parcel previously contained a railroad spur line and a building. The building that was formerly located on this parcel was destroyed by a fire sometime before June 15, 1998. The remaining portions of the Site consist of parking lots and vegetation cover (i.e., primarily grass and trees). The Site is generally level.

Based on a review of historic documents, the operations that have been conducted at each of the three parcels are summarized below.

Property: 245- 265 Hollenbeck Street

Operations: Tool and Die (1973 – 1999)
Storage (2000 – 2016)

Property: 50 Balfour Drive

Operations: Printing (1923 – 1950)
Manufacturing, Plastic Injection Molding, Tool and Die, Stamping, Plating, Welding, and Assembly (1950 – 2016)

Property: 271 Hollenbeck Street

Operations: Railroad Siding (dates unknown)
Storage (1932)
Building Supply Company, welding and construction companies (~1950 – 1964)
Vacant (~1974 – 1975)
Heating Contractor (1978 – ~1990)
Printing (~1987 – ~1990)
Construction Contractor (~1990 – 1991)
Brush Manufacturer, with printing and silk screening (~1985 – 1997)
Vacant (1998 – 2016)

Note: The building at 271 Hollenbeck Street was destroyed by fire and demolished sometime before June 15, 1998, and the railroad tracks that made up the siding that had been located on this property had been removed by that time.

The purpose of this Remedial Investigation/Feasibility Study (RI/FS) report is to provide an understanding of the environmental condition of the Site based on the work that was performed, to present potential remedial alternatives for addressing identified impacts, and to recommend a remedial alternative to implement.

The RI/FS Work Plan identified the potential or known areas of concern (AOCs) listed below. Also, the potential or known AOCs are shown on Figure 3.

- Former TCE vapor degreaser location.
- The former area of two 3,000 gallon fuel oil USTs.
- The former area of one 6,000 gallon fuel oil UST.
- Assumed location of former acetone tank.
- Assumed location where cleaning solvents were dumped on the ground at 271 Hollenbeck Street.
- Railroad tracks/siding formerly located on the Site.
- Mounded area.
- Floor spill/holding tank.
- The industrial wastewater pre-treatment plant.
- The interior drum storage area.
- Former pad-mounted transformer location.
- Surface soil area containing elevated TCE concentrations.
- Compressor discharge and associated oil-water separator and sump.
- Former Toledo Scale Oven Room and Spray Booth.
- Former oil room (1932 Sanborn Map).
- Location of spillage through wall.
- Spillage/leakage area.
- Former Oil & Grease Room near northeast corner of the 50 Balfour Drive building.
- 90-day hazardous waste storage area.
- Chemical storage area.
- Assumed boiler discharge location.

- Observed areas of petroleum impacts including former test pits TP-1, TP-2 and TP-3 and former test borings TB-6, TB-104, BH-01, BH-04, TB-119, TB-121 and TB-122.
- SSV-06 (sub-slab concentration of TCE of 19,200 ug/m^3).

Note: the building drainage systems (including floor drains, trench drains, roof leader discharges and storm sewers) have also been identified as an AOC, but this AOC is not shown on Figure 3. Instead, building drainage systems are shown on Figure 5.

Prior to conducting work under the Consent Order dated November 6, 2013 for this Site, environmental studies were conducted at the Site. Listed below are the sections of the RI/FS report in which the previous studies are described.

- Section 1.4.1: Underground Storage Tank Removals
- Section 1.4.2: 1997 Phase II ESA
- Section 1.4.3: 1998 Subsurface Soil Sampling
- Section 1.4.4: 2005-2006 Soil Sampling
- Section 1.4.5: 2008-2014 Soil Sampling
- Section 1.4.6: 2004-2013 Groundwater Sampling
- Section 1.4.7: 2009-2012 Biostimulation Evaluation
- Section 1.4.8: 2010 Phytoremediation Project

A total of 64 soil samples and 111 groundwater samples had been collected at the Site prior to the work conducted under the Consent Order (i.e., from 1997 until 2015). Most of the samples had been analyzed for VOCs but some of these samples had been analyzed for metals, cyanide, zinc, and total petroleum hydrocarbons (TPH). A list of the soil and groundwater samples collected at the Site from 1997 through 2014 is presented in Appendix A.

The other work that had been conducted at the Site prior to the work conducted under the Consent Order consisted of a biostimulation evaluation and a phytoremediation project. Both of these measures were designed to enhance the effects of natural biological processes to remove chlorinated volatile organic compounds (CVOCs) from overburden groundwater at the Site.

The previous approach used to characterize environmental conditions at the Site had been to perform sampling and analyses programs that defined soil and groundwater quality conditions in specific, limited areas. The RI was designed to complete the characterization of Site environmental conditions, and the information and data previously obtained were used to design the scope of the RI work.

Work completed under the Consent Order, but prior to the RI, included a perimeter off-site soil vapor and groundwater evaluation, a soil vapor intrusion evaluation of on-site structures, and an interim remedial measure.

The NYSDEC approved the "Perimeter Off-Site Soil Vapor and Groundwater Evaluation Work Plan" in a letter dated January 9, 2014. Also, the NYSDEC approved the work plan titled "Soil Vapor Intrusion Evaluation of On-Site Structures Work Plan" (with modifications) in a letter dated February 26, 2014. Lastly, the NYSDEC approved the "Interim Remedial Measure (IRM) Work Plan for Mitigation of Potential Soil Vapor Intrusion" (with modifications) in a letter dated January 22, 2015. These work plans were implemented and the findings and conclusions are presented below.

- Findings and Conclusions of Perimeter Off-Site Soil Vapor and Groundwater Evaluation

  Three of the four soil samples tested as part of the Perimeter Off-Site Soil Vapor and Groundwater Evaluation had detectable concentrations of non-chlorinated VOCs. The five groundwater samples had detectable concentrations of VOCs; however, only well ROW-9 had concentrations of CVOCs that exceeded TOGS. ROW-9 was located to the northwest of the Site.

  Nine soil vapor samples were tested for TO-15 VOCs. Detectable concentrations of CVOCs were measured in all of the soil vapor samples. The greatest concentrations of CVOCs were detected in soil vapor sample ROW-9.

- Findings and Conclusions of Soil Vapor Intrusion Evaluation of On-Site Structures

  TCE was detected at a concentration exceeding the NYSDOH Indoor Air Guideline in one location. The corresponding sub-slab vapor sample (SSV-06) contained a concentration of TCE of 19,200 $\mu g/m^3$. This was concluded to be the only instance where indoor air quality at the Site was determined to have been potentially impacted as a result of soil vapor intrusion.

- Findings and Conclusions of Interim Remedial Measure (IRM)

  An analysis of existing equipment and Site ventilation studies indicated that the Main Building at the Site had a ventilation imbalance, therefore, ventilation system modifications to eliminate/reduce the negative indoor air pressure was selected as the preferred remedial measure to address potential soil vapor intrusion at this facility. Following completion of the ventilation system modifications, indoor air pressures were measured relative to sub slab and outdoor air pressures to determine if the Main

Building now had a positive indoor air pressure. Also, confirmatory indoor air sampling was implemented.

Results of the first confirmatory indoor air sampling event (April 24, 2015) indicated that concentrations of TCE in the indoor air at Slab 5 were reduced from 8.17 ug/m3 to non-detectable levels; however, the reported detection limit (5.37 ug/m^3) remained above the TCE guidance value in effect at the time (5 ug/m^3). This was the only remaining location at which the detection limit exceeded the 5 ug/m^3 guidance value. Additionally, a TCE exceedance of 10.69 ug/m^3 was reported at Slab 3, which was reviewed and believed to have been potentially attributable to the maintenance department's receipt of repair parts which may have contained TCE residues. For these reasons, a second confirmatory indoor air sampling event was scheduled for the following heating season (2015-2016).

Prior to completion of the second confirmatory indoor air sampling event on February 25, 2016, NYSDOH reduced the guidance value for TCE down to 2 ug/m^3, which was therefore now applicable to the Site. Results of the second confirmatory indoor air sampling event indicated that each of the samples were below the new 2 ug/m^3 TCE guidance value. In addition, the indoor air sampling results also met the applicable guidance values for the other halogenated VOC constituents of concern.

The NYSDEC approved the initial RI/FS Work Plan (with modifications) in a letter dated December 21, 2015. Also, the NYSDEC approved a 2016 Supplemental RI Work Plan in an email dated September 14, 2016, and in a formal approval letter dated October 6, 2016. The 2016 Supplemental RI Work Plan described the sampling and analysis that would be conducted during the 2016 Supplemental RI groundwater sampling event.

In addition, a 2017 Supplemental RI Work Plan was approved by the NYSDEC on March 17, 2017. The 2017 Supplemental RI Work Plan described additional investigative studies that would be conducted inside the Main Building. Due to operational reasons, a decision was made to remove the Barrel Plating Line that was located in the Main Building at the Site. The removal of this plating line created an area in the Main Building approximately 25 ft. by 90 ft. in size that was generally accessible and which was not accessible for investigative studies prior to its removal. It appeared possible that such an investigation could potentially identify a source area of contamination, the remediation of which could expedite future clean-up of the Site.

The RI included the activities listed below.

- A utility assessment, including a geophysical survey
- Human exposure surface soil characterization

- Historic fill material characterization
- Subsurface soil characterization
- Overburden groundwater investigation
- Bedrock groundwater investigation

The investigation work associated with each of these RI activities is described in detail in Section 2.0 of the RI/FS report. In addition, the nature and extent of environmental impact as determined by the RI is described in detail in Section 3.0. Table 30 provides a summary of the nature and extent of contamination as determined by the RI.

RI FINDINGS AND CONCLUSIONS

The findings and conclusions of the RI are summarized below. The RI conclusions are based on the cumulative findings of the investigative studies that have been completed at the Site to characterize Site conditions.

AOC Evaluation:

The AOCs identified in the RI/FS workplan were evaluated to determine whether or not these areas should remain AOCs. The results of the evaluation of each AOC are summarized below, and detail regarding these conclusions is provided in Section 7.1 of the RI/FS report.

- *Former TCE vapor degreaser*: The area of the former TCE vapor degreaser is no longer being identified as an area of concern; however, the presence of TCE in a subsurface soil sample in this area is being identified as a potential secondary source of contamination.
- *The former area of two 3,000 gallon fuel oil USTs*: The area of the two 3,000 gallon fuel oil USTs is no longer being identified as an area of concern. (Note, during the 2017 Supplemental RI, a 10,000-gallon UST was encountered in the vicinity of the former 3,000 gallon fuel oil USTs. Although the 10,000 gallon UST has been determined to not be the source of the CVOC contamination that has been identified at the Site, the presence of the 10,000 gallon UST on the Site is being identified as an area of concern.)
- *The former area of one 6,000 gallon fuel oil UST*: The former area of the 6,000 gallon fuel oil UST is no longer being identified as an area of concern.
- *Assumed location of former acetone tank*: The assumed location of the former acetone tank is no longer being identified as an area of concern.
- *Assumed location where cleaning solvents were dumped on the ground at 271 Hollenbeck Street*. The assumed location where cleaning solvents were dumped on the ground at 271 Hollenbeck Street is no longer being identified as an area of concern.

- *Railroad tracks/siding formerly located on the Site*: The railroad tracks/siding formerly located on the Site is no longer being identified as an area of concern; however, the two historic fill material sample locations where PAH SVOCs exceeded ISCOs are being identified as areas of concern.
- *Mounded area*: The mounded area is no longer being identified as an area of concern.
- *Floor spill/holding tank*: The floor spill/holding tank is no longer being identified as an area of concern; however, the presence of TCE in a subsurface soil sample in this area is being identified as a potential secondary source of contamination.
- *Automatic plating area*: The presence of contaminants (i.e., CVOCs, cyanide) in the automatic plating area may be due to the historical operations in the Main Building. Therefore, the automatic plating area is being identified as an area of concern.
- *Manual plating area*: The manual plating area is no longer being identified as an area of concern; however, the presence of TCE in a subsurface soil sample in this area is being identified as a potential secondary source of contamination.
- *The industrial wastewater pre-treatment plant*: The industrial wastewater pre-treatment plant is no longer being identified as an area of concern; however, the presence of TCE in a subsurface soil sample in this area is being identified as a potential secondary source of contamination.
- *The interior drum storage areas*: The interior drum storage area is no longer being identified as an area of concern; however, the presence of TCE in a subsurface soil sample in this area is being identified as a potential source in the primary plume area.
- *Former pad-mounted transformer location*: The former pad-mounted transformer location is no longer being identified as an area of concern.
- O*bserved surface soil area containing elevated TCE concentration*: This area is being identified as a concern because it contains CVOC concentrations in soil that exceeds GWSCOs and in overburden groundwater that exceeds TOGS.
- *Compressor discharge and associated oil-water separator and Sump 1:* The compressor discharge and associated oil-water separator and Sump 1 are no longer being identified as an area of concern; however, the presence of TCE in a subsurface soil sample in this area, and the concentrations of CVOCs in overburden groundwater in this area that exceed TOGS, are being identified as a potential secondary source of contamination.
- *Former Toledo Scale Oven Room and Spray Booth*: The former Toledo Scale Oven Room and Spray Booth is no longer being identified as an area of concern; however, the presence of TCE in a subsurface soil sample in this area is being identified as a potential secondary source of contamination.
- *Former oil room (1932 Sanborn Map)*: The former oil room is no longer being identified as an area of concern; however, the presence of CVOCs in a subsurface soil sample in this area is being identified as a potential secondary source of contamination.

- *Location of spillage through wall*: This location of spillage is no longer being identified as an area of concern.
- *Spillage/leakage area*: The spillage/leakage area is no longer being identified as an area of concern; however, the presence of CVOCs in a subsurface soil sample in this area is being identified as a potential source in the primary plume area.
- *Former Oil & Grease Room near northeast corner of the Main Building*. The Former Oil & Grease room is no longer being identified as an area of concern.
- *90-day hazardous waste storage area*: The 90-day hazardous waste storage area is no longer being identified as an area of concern for Site specific CVOCs.
- *Chemical storage area*: The chemical storage area is no longer being identified as an area of concern; however, the presence of TCE in a subsurface soil sample in this area is being identified as a potential secondary source of contamination.
- *Assumed boiler discharge location*: The assumed boiler discharge location is no longer being identified as an area of concern; however, the presence of TCE in a subsurface soil sample in this area, and the concentrations of CVOCs that exceed TOGS in overburden groundwater in this area, are being identified as a potential secondary source of contamination.
- *Observed areas of petroleum impacts including former test pits TP-1, TP-2 and TP-3 and former test boring TB-6, TB-104, BH-01, and BH-04, TB-119, TB-121 and TB-122*. The previously observed areas of petroleum impacts are no longer being identified as an area of concern; however, the presence of CVOCs in a subsurface soil sample in this area is being identified as a potential source in the primary plume area. In addition, the presence of TCE in a subsurface soil sample in this area is being identified as a potential secondary source of contamination. (Note, the 10,000-gallon abandoned UST encountered during the 2017 Supplemental RI was located in this area [i.e., the previously observed areas of petroleum impacts]. Based on a review of available information, and with the concurrence of the NYSDEC, it has been concluded that the 10,000-gallon UST is not a source of CVOC contamination; however, the presence of the 10,000-gallon abandoned UST at the Site is being identified as an area of concern.)
- *SSV-06 (sub-slab vapor concentration of TCE of 19,200 ug/m3)*. The location of SSV-06 is not being identified as an area of concern; however, the presence of TCE in a subsurface soil sample in this area, and the concentrations of CVOCs that exceed TOGs in overburden groundwater in this area, are being identified as a potential secondary source of contamination.
- *Drainage system, including floor drains, trenches, roof leader discharges and storm sewers was also identified as an AOC.* A SVOC was detected in a subsurface soil sample near Sump 3; however, evidence of a preferential pathway was not identified. The drainage systems are not being identified as an area of concern.

Surface and Subsurface Soil Characterization:

The findings and conclusions of the RI associated with the surface and subsurface soil characterization are provided below. More detail regarding these conclusions is provided in Section 7.2 of the RI/FS report.

Human Exposure Surface Soil Samples

There were no exceedances of the ISCOs for VOCs, metals, cyanide, PCBs, and pesticides in the human exposure surface soil samples (refer to Section 3.2.3.1). The only exceedance of ISCOs detected in the human exposure surface soil samples was the concentration of one SVOC in one surface soil sample, which is located under established turf/grass. The presence of this SVOC is being identified as a human exposure contaminant of concern.

Historic Fill Material (HFM) Surface Soil Samples

There were no exceedances of the ISCOs for VOCs, metals, cyanide, PCBs, and pesticides in the HFM surface soil samples (refer to Section 3.2.3.2). Two HFM surface soil samples had VOC detections at concentrations that exceeded PGSCOs for compounds that were also detected in groundwater at concentrations exceeding TOGS. Various SVOCs were detected in the 13 HFM surface soil samples that were collected for analyses from 10 different locations; however, only four of these 13 samples (from 3 locations) contained SVOCs that exceeded ISCOs. The presence of these SVOCs in historic fill material at these three locations are being identified as HFM contaminants of concern.

Subsurface Soil Samples

There were no exceedances of the ISCOs for VOCs, metals, cyanide, PCBs, and pesticides in the subsurface soil samples (refer to Section 3.2.3.3). Various VOCs were detected in the 34 subsurface soil samples tested; however, only 12 of the soil samples contained a VOC detection at concentrations that exceeded GWSCOs in areas where VOCs were also detected in groundwater at concentrations exceeding TOGS. SVOCs were detected in 13 of the 28 subsurface soil samples tested; however, only two soil samples contained an SVOC that had a concentration that exceeded its ISCO. The SVOC that exceeded its ISCO in these two locations was located below cover material. The presence of this SVOC in subsurface soil at these two locations is being identified as a subsurface soil contaminant of concern.

Groundwater Investigation:

The findings and conclusions of the RI associated with the overburden and bedrock groundwater at the Site is provided below. More detail regarding these conclusions is provided in Section 7.3 of the RI/FS report.

VOCs

Non-Chlorinated VOCs: Non-chlorinated VOCs are not being identified as contaminants of concern in overburden groundwater at the Site; and, remediation for non-chlorinated VOCs is not warranted because the exceedances of TOGS were sporadic (i.e., limited to only two overburden monitoring wells in the initial RI groundwater sampling event).

Non-chlorinated VOCs were also detected in bedrock groundwater at the Site during both groundwater sampling events (refer to Section 3.2.4.2); however, the detected concentrations of non-chlorinated VOCs in bedrock groundwater did not exceed TOGS. As a result, non-chlorinated VOCs in bedrock groundwater are not being identified as a contaminant of concern at the Site.

CVOCs: CVOCs in overburden and bedrock groundwater are being identified as contaminants of concern at the Site (refer to Sections 3.2.4.1 and 3.2.4.2) that require remediation.

The CVOCs that are specifically being identified as contaminants of concern in the overburden and bedrock groundwater at the Site are listed below:

- Tetrachloroethene (PCE)
- Trichloroethene (TCE)
- Cis-1,2-Dichloroethene (cis-1,2-DCE)
- Trans-1,2-Dichloroethene (trans-1,2-DCE)
- Vinyl chloride

CVOCs are present in overburden and bedrock groundwater at concentrations exceeding TOGS. Based on the work completed as part of the RI and the two Supplemental RIs, there appears to be a primary plume area located either within or immediately north of the plating lines that are located in the Main Building (refer to Figures 7A, 7B, 7C, 8A, and 8B). This conclusion is consistent with the groundwater investigations completed previous to the RI. As shown on Table 16, Table 17, and the figures, CVOC concentrations greater than TOGS are present in the overburden and bedrock groundwater across the Site. The highest concentration of total CVOCs in the overburden groundwater at the Site was at monitoring well MW-5 (42,975 ppb), which also had the highest detected concentration of cis-1,2-DCE

(40,500 ppb). The highest concentrations of TCE (286 ppb) and trans-1,2-DCE (30.8 ppb) in the overburden groundwater at the Site were detected at monitoring well MW-16, which is centrally located in the Main Building. The highest concentration of PCE (18.5 ppb) in the overburden groundwater at the Site was detected at monitoring well MW-P, which is to the east of the Hollenbeck Building. The highest concentration of vinyl chloride (3,880 ppb) in the overburden groundwater at the Site was detected at monitoring well MW-FF, which is located in the northern portion of the Main Building. The highest concentration of CVOCs in the bedrock groundwater at the Site was in bedrock monitoring well MW-7R, located closest to overburden monitoring wells MW-5 and MW-8. The CVOC concentration in bedrock monitoring well MW-7R was 1,173 ppb during the 2016 Supplemental RI groundwater sampling event, and it also contained the highest detected concentration of cis-1,2-DCE (543 ppb) and TCE (400 ppb). The highest concentration of PCE (5 ppb) in the bedrock groundwater at the Site was detected at monitoring well MW-3R, and the highest concentration of vinyl chloride (314 ppb) in the bedrock groundwater at the Site was detected at monitoring well MW-10R. As shown on Figure 7A and 7B, the primary plume of CVOCs in the overburden groundwater appears to extend to the northern property line; however, the concentration of CVOCs near the northern property line is significantly less than the concentration of CVOCs in MW-5.

LNAPL and DNAPL

LNAPL was detected in monitoring well MW-17 at thicknesses ranging from 0.01 ft. to 0.05 ft. Analysis of an aqueous sample collected from this monitoring well identified TPH as #2 Fuel Oil. LNAPL was not detected in other overburden or bedrock monitoring wells.

DNAPL associated with the CVOC contamination at the Site was not detected during the RI.

SVOCs

SVOCs were not detected at concentrations that exceeded TOGS in either overburden groundwater or bedrock groundwater (refer to Sections 3.2.4.1 and 3.2.4.2). Based on the analytical results, SVOCs in overburden and bedrock groundwater are not being identified as contaminants of concern at the Site.

Metals and Cyanide

Metals were detected at concentrations that exceeded TOGS in both overburden and bedrock groundwater (refer to Sections 3.2.4.1 and 3.2.4.2). The metals that exceeded TOGS were either attributable to naturally occurring metals (i.e., sodium, magnesium, iron, etc.), or were only detected sporadically at the Site (e.g., in only one or two locations). Cyanide was detected above TOGS in only one groundwater monitoring well (MW-Q). Based on the

analytical results, metals and cyanide are being identified as contaminants of concern in groundwater at the Site.

PCBs and Pesticides

PCBs and pesticides were not detected in the overburden and the bedrock groundwater samples that were tested. Based on the analytical results, PCBs and pesticides in overburden groundwater and bedrock groundwater are not being identified as contaminants of concern at the Site.

In summary, based on the work completed as part of the RI, there appears to be CVOC contamination in groundwater throughout the majority of the Site, with the highest concentrations located either within or immediately north of the plating lines that are located in the Main Building. This conclusion is consistent with the groundwater investigations completed previous to the RI. Remediation of the CVOC contamination in the overburden and bedrock groundwater at the Site is warranted, as well as remediation of overburden soils in areas where CVOC contamination in overburden soils may be contributing to the CVOC contamination in the groundwater (i.e., in potential secondary source areas of contamination). In addition, remediation of surface soils that exceed applicable SCGs is warranted.

REMEDIAL ACTION OBJECTIVES

The Remedial Action Objectives (RAOs) established for this RI are listed below.

Groundwater:

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

RAOs for Environmental Protection

- Restore groundwater aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Prevent the discharge of contaminants to surface water.
- Remove the source of groundwater contamination.

Soil:

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure from, contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Prevent impacts to biota from ingestion/direct contact with soil causing toxicity or impacts from bioaccumulation through the terrestrial food chain.

Soil Vapor:

RAO for Public Health Protection

- Mitigate impacts to public health and on-site receptors resulting from existing, or potential, soil vapor intrusion into the on-site building or soil vapor migration off-site.

NAPL

RAOs for Public Health Protection

- Prevent ingestion/direct contact with NAPL.
- Prevent inhalation of, or exposure from, contaminants volatilizing from NAPL.

RAOs for Environmental Protection

- Prevent migration of NAPL that would result in further groundwater contamination.
- Prevent impacts to biota from ingestion/direct contact with NAPL causing toxicity or impacts from bioaccumulation through the terrestrial food chain.

REMEDIAL ALTERNATIVES

Potentially applicable remedial alternatives were screened based on technical implementability, and the remedial technologies ability to reduce the toxicity, mobility, and/or volume of chemical constituents in the impacted media. The screening process for each media (i.e., surface soils, subsurface soils/fill material, groundwater, soil vapor and NAPL) is described in Sections 8.7 and 8.8 of the RI/FS report.

The screened technologies were then used to assemble remedial alternatives into site wide alternatives, or components of a remedial strategy, that meet the RAOs established for the Site. The remedial alternatives that were selected for consideration are described below.

Surface Soil Remedial Alternatives:

Alternative SS1 – No Further Action

Under this alternative, no additional active remedial measures or monitoring would be completed.

Alternative SS2 – Restricted Industrial Use Engineering Control and Institution Controls

As part of this alternative, an engineering control meeting DER-10 specifications (i.e., impermeable materials, a minimum 1-foot thick layer of DER-10 approved material, fencing with appropriate signage, etc.) would be installed to provide a barrier to impacted surface soils identified in the RI that contains one or more constituents exceeding their applicable restricted industrial SCOs. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Inspection and maintenance of the engineering control would be specified in the Site-specific SMP. Documentation of the engineering control integrity and modifications would be provided to the NYSDEC in appropriate time frames and communications (e.g., monthly progress reports, emergency response action notices, annual inspection reports, etc.) and in compliance with the Site-specific SMP.

Alternative SS3 – Restricted Commercial Use Engineering Controls and Institutional Controls

As part of this alternative, an engineering control meeting DER-10 specifications (i.e., impermeable materials, a minimum 1-foot thick layer of DER-10 approved material, fencing with appropriate signage, etc.) would be installed to provide a barrier to impacted surface soil identified in the RI that contains one or more constituents exceeding their applicable restricted commercial SCOs. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Inspection and maintenance of the engineering control would be specified in the Site-specific SMP. Documentation of the engineering control integrity and modifications would be provided to the NYSDEC in appropriate time frames and communications (e.g., monthly progress reports, emergency response action notices, annual inspection reports, etc.) and in compliance with the Site-specific SMP.

Alternative SS4 – Physical Removal and Off-Site Disposal

Under this alternative, removal and off-site disposal of subsurface soil containing one or more constituents exceeding their applicable unrestricted use SCOs will be physically removed from the Site and disposed off-site. A Site specific SMP for surface soil would not be required in that case.

Subsurface Soil Remedial Alternatives:

Alternative S1 – No Further Action

Under this alternative no additional active remedial measures or monitoring would be completed.

Alternative S2 – Institutional Controls/Bioremediation/Phytoremediation/Natural Attenuation

This alternative involves, in part, institutional controls in the form of an environmental easement to limit the Site's use and access. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. In-situ injection of electron donor and nutrients (i.e., bioremediation) would be completed in proximity to MW-5 where the greatest CVOC concentrations were identified in the RI,, and in accessible locations in proximity to TB-H where CVOC concentrations in soil were identified in the RI (refer to Figure 16). In-situ injections would be completed in accessible and feasible locations between approximately 8 ft. below the ground surface (bgs) and 12 ft. bgs to promote the growth of the dehalococcoides microbe population, resulting in anaerobic bioremediation of the CVOCs identified in the saturated zone. Lastly, the existing phytoremediation system located along the northern property boundary will continue to be maintained. Phytoremediation was completed to a depth of approximately 10 ft. bgs using poplar and willow trees, and will be maintained to assist in addressing the saturated zone soils along the northern property line, (refer to Figure 16). Residual COCs within the soils would be addressed via institutional and engineering controls (e.g., cover system, fencing, SMP, environmental easement, etc.). Compliance with the site-specific SMP will ensure engineering controls remain effective and are properly maintained.

Alternative S3 – Site Wide Excavation

This alternative involves excavating subsurface soils (i.e., unsaturated and saturated) for off-site disposal. The approximate 810,010 cubic feet (279,314 ft^2 with a thickness of 2.9 ft.) of historic fill material identified across the Site would be removed (refer to Figure 17) and disposed off-site in accordance with applicable regulations. Thereafter, the estimated 450,449 cubic feet (assumes approximately 52,994 ft^2 of impacted subsurface soil that has a thickness of 8.5 ft, refer to Figure 17) of soils containing VOCs and metals above unrestricted use SCOs would be removed and disposed off-site in accordance with applicable regulations. This alternative would include building and below-grade utility demolition, reconstruction of the on-site building and utilities, and excavation dewatering.

Overburden Groundwater Remedial Alternatives:

Alternative OBGW1 – No Further Action

Under this alternative no additional active remedial measures or monitoring would be completed.

Alternative OBGW2 – Institutional Controls/Containment/Groundwater Monitoring/ Bioremediation/ Phytoremediation/Natural Attenuation

This alternative involves institutional controls in the form of environmental easements to limit the Site's use and access. In addition, a SMP would be completed for the Site outlining the necessary procedures, requirements and responses when completing intrusive activities at the Site that have the potential to encounter impacted overburden groundwater. To address the overburden groundwater CVOC concentrations identified at MW-5 (i.e., the area of greatest CVOC concentrations, or the primary plume area), groundwater extraction will be completed to remove CVOC mass and aid in containment of the existing CVOC (e.g., primarily cis-1,2-DCE) plume (refer to Figure 16). Initially one groundwater extraction well will be completed and its associated radius of influence will be evaluated. Following a determination of the approximate radius of influence and the hydraulic control effectiveness, it will be determined if additional groundwater extraction wells are warranted, and if so, the additional extraction well locations. [Note: The opinion of probable cost associated with this alternative allows for up to three groundwater extraction wells to be installed; however, the other two extraction wells will not be installed unless needed to provided sufficient containment of the CVOCs at the Site perimeter.] The extracted overburden groundwater will be treated in an on-site groundwater treatment system prior to being discharged to the Monroe County Pure Waters (MCPW) sewer system in accordance with applicable MCPW permit requirements. The location of the treatment system will consider the possibility of off-gassing from the system and the potential impacts to the indoor air quality that may be created (i.e., use a separate structure [shed, trailer, etc.] for housing the system).

Subsequent to groundwater extraction, in-situ injection of electron donor and nutrients (bioremediation amendments) in proximity to MW-5 (refer to Figure 16) will be completed once asymptotic concentrations of CVOCs are observed in the MW-5 area. The bioremediation amendments would be introduced into the subsurface via injection points spaced in an approximate grid pattern in accessible and feasible locations targeting the saturated zone (i.e., between 8 ft. bgs and 12 ft. bgs). The intent of amending the subsurface is to promote the growth of the dehalococcoides microbe population resulting in anaerobic bioremediation of the CVOCs identified in the saturated zone. The initial amendment injection volume would be sufficient to theoretically treat the delineated area identified on Figure 16; however, the opinion of probable cost for this alternative allows for two additional injection events of lesser mass if warranted by field and/or analytical data. [Note, the lesser injection events will not be implemented unless needed to achieve the SCGs.] Depending on the overburden groundwater extraction drawdown rates, the operation of the groundwater extraction system may be altered to accelerate and better distribute the electron donor and nutrients. Overburden groundwater extraction system alterations will be approved by the appropriate entities (i.e., NYSDEC) prior to initiation. Residual CVOCs within the groundwater would be addressed via natural attenuation, in which the sampling program and protocol would be approved by the NYSDEC and included as part of the institutional controls. Lastly, in the downgradient direction, the existing phytoremediation system, which

was completed to a depth of approximately 10 ft. bgs, using poplar and willow trees, will be maintained to assist in addressing the overburden groundwater conditions along the northern property line (refer to Figure 16).

Alternative OBGW3 – Institutional Controls / Containment / Groundwater Monitoring / Bioremediation / Phytoremediation / Site Perimeter Groundwater Controls / Natural Attenuation

This alternative involves institutional controls in the form of environmental easements to limit the Site's use and access. In addition, an SMP would be completed for the Site outlining the necessary procedures, requirements and responses when completing intrusive activities at the Site that have the potential to encounter impacted overburden groundwater.

To address the overburden groundwater CVOC concentrations identified at MW-5 (i.e., the area of highest CVOC concentrations, or the primary plume area), a bedrock interface groundwater extraction well [EW-1] will be completed to remove CVOC mass and contain the existing CVOC (e.g., primarily cis-1,2-DCE) plume area (refer to Figure 16) associated with the MW-5 area. To address the interior secondary sources (TB-B, TB-E, TB-F, TB-K, and TB-S) an additional, overburden groundwater extraction well (EW-2) will be installed in proximity to the interior secondary sources (refer to Figure 16). To address the CVOC contamination and LNAPL impacts identified in monitoring well MW-17, this monitoring well will converted into an overburden extraction well (EW-3). This remedial alternative assumes that exterior secondary source TB-N and interior cyanide source MW-Q will be within the capture zone of the three extraction wells described above. The intent of the three extraction wells is to provide adequate Site perimeter groundwater control (i.e., to eliminate or minimize off-site migration of contaminants). Initially, the three groundwater extraction wells will be completed and their associated radius of influence will be evaluated. Following an evaluation of the approximate radius of influence and the hydraulic control effectiveness, it will be determined if additional groundwater extraction wells are warranted, and if so, the locations of the additional extraction wells. [Note: The opinion of probable cost associated with this alternative allows for up to four groundwater extraction wells to be installed; however, any other extraction wells that may be needed will not be installed unless warranted to provide sufficient containment of the CVOCs at the perimeter of the Site.] In the event the groundwater extraction system is unable to provide adequate site perimeter groundwater control, additional overburden groundwater controls will be considered (refer to the contingency measures discussed below). The extracted overburden groundwater will be treated in an on-site groundwater treatment system prior to being discharged to the MCPW sewer system in accordance with applicable MCPW permit requirements. For the purposes of this FS, an assumed cumulative average flow of 10 GPM was used to develop the associated cost estimate. The location of the treatment system will consider the possibility of off-gassing

from the system and the potential impacts to the indoor air quality that may be created (i.e., use a separate structure [shed, trailer, etc.] for housing the system).

Subsequent to groundwater extraction system startup, in-situ injection of electron donor and nutrients (bioremediation amendments) in proximity to MW-5 and TB-H (refer to Figure 16) will be completed once asymptotic concentrations of CVOCs are observed in the MW-5 area. The bioremediation amendments would be introduced into feasible and accessible locations within the subsurface using injection points with injection intervals between 8 ft. bgs and 12 ft. bgs. The bioremediation amendments are intended to promote the growth of the dehalococcoides microbe population resulting in anaerobic bioremediation of the CVOCs identified in the saturated zone. The initial amendment injection volume would be sufficient to theoretically treat the delineated areas identified on Figure 16; however, the opinion of probable cost for this alternative allows for two additional injection events of lesser mass if warranted by field and/or analytical data. [Note; the lesser injection events will not be implemented unless needed to achieve the RAOs.] Depending on the overburden groundwater extraction drawdown rates, the operation of the groundwater extraction system may be altered to accelerate and better distribute the electron donor and nutrients. Overburden groundwater extraction system alterations will be approved by the appropriate entities (i.e., NYSDEC) prior to initiation. Residual CVOCs within the groundwater would be addressed via natural attenuation, in which the sampling program and protocol would be approved by the NYSDEC and included as part of the institutional controls. Lastly, in the downgradient direction, the existing phytoremediation system, which was completed to a depth of approximately 10 ft. bgs using poplar and willow trees, will be maintained to assist in addressing the overburden groundwater conditions along the northern property line (refer to Figure 16).

In the event the groundwater extraction system is unable to provide adequate Site perimeter groundwater control, additional Site perimeter overburden groundwater controls (i.e., additional extraction wells, permeable reactive barrier [PRB], etc.) will be installed. The need for the contingency measures will be evaluated on a periodic basis (e.g., after each annual groundwater monitoring event, etc.) after the bioremediation injections are completed, and will be based on the observed trends of the groundwater monitoring results from the perimeter wells during that period of time. If warranted, the Site perimeter overburden groundwater contingency measure (i.e., a PRB of liquid activated carbon and emulsified vegetable oil [EVO] injections, etc.) will be completed up-gradient of sensitive receptors. If a PRB is selected, it is anticipated that it will consist of liquid activated carbon and EVO, and completed within the saturated zone to the top of bedrock (i.e., approximately 8 ft. bgs to 12 ft. bgs) using direct-push injection equipment. Based on available vendor literature, and assuming the presence of sufficient available substrate (i.e., EVO), the activated carbon particles will become colonized by dehalococcoides microbes resulting in anaerobic bioremediation of the sorbed CVOCs; thereby, regenerating the activated carbon sorption

sites. This process promotes additional CVOC partitioning from the saturated zone and continuation of a regenerative remedial cycle. For the purposes of this FS it was assumed the overburden groundwater PRB would be 240 ft. long and 5 ft. wide. Note, the length of the PRB was based on the current site model and the estimated linear feet of barrier required to provide adequate protection of the down-gradient receptors. The PRB width was based on hydraulic conductivity data collected during the RI. It should also be noted that hydraulic controls and active remedial measures (i.e., bioremediation) will alter the site model and likely reduce the PRB dimensions. As such, if needed, a site specific PRB should be designed using post-remediation groundwater data and post groundwater extraction hydraulic data.

Alternative OBGW4 – Site Wide Chemical Oxidation

This alternative involves restoring the overburden groundwater to unrestricted use. To attain this goal, chemical oxidation reagent (e.g. potassium permanganate) would be applied to the entire overburden groundwater plume containing dissolved constituents exceeding TOGs, as delineated by the RI work. The chemical oxidant would be applied in a grid pattern throughout the saturated zone (8 ft. bgs to the top of rock at approximately 12 ft. bgs) after the existing building and associated utilities have been demolished (refer to Figure 17). The radius of influence and mass of chemical oxidant would need to be determined through a treatability study. For the purposes of this FS, it was assumed that a radius of influence of 15 ft. could be achieved and that approximately 250,000 pounds of potassium permanganate would be needed to remediate the overburden groundwater to TOGs SCGs. Following the chemical oxidant injection events and completion of other remedial activities, the building and associated utilities would be reconstructed. Since the impacted media would be addressed and meet regulatory standards, an SMP and other institutional controls (e.g., an environmental easement) and engineering controls (e.g., vapor mitigation system) would not be necessary.

Bedrock Groundwater Remedial Alternatives:

Alternative BRGW1 – No Further Action

Under this alternative no additional active remedial measures or monitoring would be completed.

Alternative BRGW2 – Institutional Controls/Bedrock Groundwater Monitoring

This alternative involves institutional controls in the form of environmental easements to limit the Site's use and access. The bedrock groundwater CVOC concentrations would be addressed via natural attenuation that would include monitoring and documentation in accordance with a NYSDEC-approved sampling program and protocol. It is anticipated that by addressing the overburden groundwater impacts, coupled with natural attenuation processes, the bedrock groundwater CVOC concentrations would eventually be reduced to

levels acceptable to the NYSDEC. For the purposes of this FS, it was assumed that bedrock groundwater would be monitored for thirty years following initiation of remedial activities

Alternative BRGW3 – Institutional Controls / Bedrock Groundwater Monitoring / Contingency Permeable Reactive Barrier

This alternative involves institutional controls in the form of environmental easements to limit the Site's use and access. The bedrock groundwater CVOC concentrations along the northern portion of the Site would be addressed by groundwater extraction in the MW-5 area using a bedrock interface well [EW-1]. It is anticipated that by addressing the overburden groundwater impacts, the CVOC concentrations in the bedrock groundwater would be reduced to levels acceptable to the NYSDEC. For the purposes of this FS, it was assumed that bedrock groundwater would be monitored for thirty years following initiation of remedial activities.

In the event the groundwater extraction system is unable to provide adequate site perimeter bedrock groundwater control, additional Site perimeter bedrock groundwater controls (e.g., additional extraction wells, PRBs, etc.) would be installed. The need for the contingency measures will be evaluated on a periodic basis (i.e., after each annual groundwater monitoring event, etc.) after the final bioremediation injections are completed, and will be based on the observed trends of the groundwater monitoring results from the perimeter wells during that period of time. If warranted, contingency Site perimeter groundwater controls will be completed up-gradient of sensitive receptors. If selected, it is anticipated that the bedrock PRB would be installed using bedrock injection wells with an open core from the top of bedrock to approximately 10 feet below the top of bedrock (i.e., approximately 15 ft bgs to 25 ft bgs) and consist of liquid activated carbon and EVO. Based on available vendor literature, and assuming the presence of sufficient available substrate (i.e., EVO), the activated carbon particles will become colonized by dehalococcoides microbes resulting in anaerobic bioremediation of the sorbed CVOCs; thereby, regenerating the activated carbon sorption sites. This process promotes additional CVOC partitioning from the saturated zone and continuation of a regenerative remedial cycle. For the purposes of this FS it was assumed the bedrock PRB would be 120 ft. long and 5 ft. wide. Note, the length of the PRB was based on the current site model and the estimated linear feet of barrier required to provide adequate protection of the down-gradient receptors. The PRB width was based on hydraulic conductivity data collected during the RI. It should also be noted that hydraulic controls and active remedial measures (i.e., bioremediation \) will alter the site model and likely reduce the PRB dimensions. As such, if needed, a site specific PRB should be designed using post-remediation groundwater data and post groundwater extraction hydraulic data.

Alternative BRGW4 – Site Wide Bedrock Groundwater Extraction and Treatment

This alternative involves extracting bedrock groundwater to remove COCs and containing the bedrock groundwater (refer to Figure 18). Following extraction, the groundwater would be treated in an on-site treatment system prior to being discharged to the MCPWs sewer system in accordance with applicable permit requirements. A pump test and a treatability study will be required to determine the exact pumping rates and system size/requirements. The site-wide bedrock groundwater pump and treatment system included in this FS is based on preliminary design calculations that use information collected as part of the RI. Based on the preliminary design calculations, approximately 55 bedrock extraction wells (i.e., depths of 40 ft. bgs) will be used to extract bedrock groundwater from the Site with an anticipated radius of influence of 40 ft. and a combined extraction rate of 30 gallons per minute.

NAPL Remedial Alternatives:

Alternative N1 – No Further Action

Under this alternative no additional active remedial measures or monitoring would be completed.

Alternative N2 – Institutional Controls/Containment

This alternative involves, in part, institutional controls in the form of an environmental easement to limit the Site's use and access. An SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. In addition, it is assumed that the groundwater extraction system would limit/prevent NAPL migration.

Alternative N3 – Institutional Controls/Removal

This alternative involves, in part, institutional controls in the form of an environmental easement to limit the Site's use and access. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Also, it is assumed that the groundwater extraction system would limit/prevent NAPL migration. Lastly, adsorbent media would be installed, and replaced when necessary, in monitoring well MW-17 to reduce the NAPL volume at this location of the Site.

Soil Vapor Remedial Alternatives:

Alternative SV1 – No Further Action

Under this alternative, no additional active remedial measures or monitoring would be completed and the existing soil vapor engineering control would not be maintained or monitored for effectiveness.

Alternative SV2 – Institutional and Engineering Controls

This alternative involves, in part, institutional controls in the form of an environmental easement to limit the Site's use and access. An SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. In addition, the currently operating vapor mitigation engineering control (i.e., positive pressure system) would be maintained to prevent vapor intrusion, eliminating a possible exposure pathway associated with soil vapor.

A detailed evaluation of remedial alternatives is presented in Section 9.0 of the RI/FS report. The detailed evaluation of each alternative included comparison to the nine criteria listed below.

- Protection of Human Health and the Environment
- Compliance with SCG values
- Long-term Effectiveness and Permanence
- Reduction of Toxicity, Mobility and Volume
- Short-Term Impacts and Effectiveness
- Implementability
- Land Use
- Cost
- Sustainability/Green Remediation

RECOMMENDED ALTERNATIVE

Alternative 3 – Recommended Alternative

Alternative 3 is the recommended alternative and consists of SS3, S2, OBGW3, BRGW3, N3 and SV2 (refer to Section 9.20 of the RI/FS report). Alternative 3 involves installing an engineering control meeting DER-10 specifications (i.e., impermeable materials, a minimum 1-foot thick layer of DER-10 approved material, fencing with appropriate signage, etc.) in order to provide a barrier to impacted surface soil identified in the RI that contains one or more constituents exceeding their applicable restricted commercial SCOs. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Inspection, maintenance and documentation of the engineering controls and other remedial components would be specified in the Site-specific SMP.

Under Alternative 3, the greatest CVOC impacts identified at the Site are contained through the implementation of groundwater extraction, which also reduces the CVOC concentrations in the overburden groundwater through mass removal. To address the interior secondary sources (TB-B, TB-E, TB-F, TB-K and TB-S) a second overburden extraction well (EW-2) will be installed in proximity to the interior secondary sources (refer to Figure 16). To address the impacts identified in monitoring well MW-17, this monitoring well will be

converted to an overburden extraction well EW-3. This remedial alternative assumes the exterior secondary source TB-N and interior cyanide source MW-Q will be within the capture zone of the three extraction wells. One of the intents of the three extraction wells is to provide adequate Site perimeter groundwater control (i.e., to eliminate or minimize off-site migration of contaminants). The remaining CVOCs in the MW-5 area and TB-H area would be subsequently remediated by: the injection of bioremediation amendments (i.e., electron donors and nutrients) into the overburden groundwater to promote bioremediation of the CVOCs; by the existing phytoremediation system; and/or, by natural attenuation. Subsequent to injection of bioremediation amendments, the operational parameters of the extraction wells could be modified to aid in the distribution of the bioremediation amendments and/or to manipulate groundwater flow to increase the Alternative 3 effectiveness. Migration of CVOCs beyond the perimeter of the Site would be controlled by groundwater extraction and the existing phytoremediation area along the northern property boundary of the Site. Also, the location of the treatment system will consider the possibility of off-gassing from the system and the potential impacts to the indoor air quality that maybe created (i.e., use a separate structure [shed, trailer, etc.] for housing the system).

It is anticipated that bedrock groundwater quality will also be improved through implementation of the groundwater extraction system because it will use groundwater extraction wells to reduce the downward migration potential of the overburden groundwater (which is the apparent source of the CVOC contaminants in the bedrock groundwater). Furthermore, it is anticipated that the pumping of groundwater using the bedrock interface extraction wells will enhance/create an upward flow gradient, which will allow for the capture of some bedrock groundwater. Also, through the injection of bioremediation amendments, CVOC concentrations in the overburden groundwater will be reduced which should result in less CVOC impact to the bedrock groundwater.

Throughout the remedial process, groundwater samples will be collected/analyzed to monitor and document Site conditions, remedial progress and the effectiveness of the remedy. In the event that post-remediation groundwater sampling (i.e., annual monitoring after final bioremediation injections) indicates further remediation of overburden groundwater and/or bedrock groundwater is necessary, a remedial design plan for additional Site groundwater controls will be developed, including evaluation of Site perimeter groundwater controls, as warranted (i.e., PRBs, etc.). If selected, it is assumed that a PRB would consist of liquid activated carbon and EVO, and installed up-gradient of sensitive receptors. Residual CVOC concentrations in the soil, overburden groundwater and bedrock groundwater will be addressed via natural attenuation and managed through institutional controls (i.e., environmental easement, SMP, etc.).

Alternative 3 also assumes that the existing vapor mitigation engineering controls will be maintained and periodically evaluated to document compliance with applicable SCGs.

Lastly, the approximate 10,000-gallon UST containing approximately 6,000 gallons of water that was encountered during the 2017 Supplemental RI (refer to Section 3.2.2.2.1) will be

decommissioned in accordance with DER-10 and applicable DEC guidance documents. [Note, the UST will be abandoned in place due to physical constraints at the Site that will prevent the removal of the UST.]

Alternative 3 should achieve the threshold criteria and obtain the established RAOs for the Site. Based on the costs, effectiveness, SCG compliance and/or implementation concerns associated with other remedial alternatives, Alternative 3 is the most feasible alternative that will cost-effectively achieve the best balance of the NYSDEC evaluation criteria.

The total present worth cost to implement Alternative #3 is estimated to be approximately $1,145,300.00.

1.0 INTRODUCTION

1.1 Purpose of Report

The purpose of this report is to provide an understanding of the environmental condition of the Site based on environmental studies performed as part of this Remedial Investigation (RI). This report also provides a Feasibility Study (FS) that presents potential remedial alternatives for addressing identified impacts, and that recommends a remedial alternative to implement.

1.2 Site Description

As shown on Figure 2, the Site is located on Hollenbeck Street and Balfour Drive in Rochester, New York and consists of the three parcels identified below.

1. 245-265 Hollenbeck Street
   Tax Map Parcel No. Section 091 Subsection 70 Block 1 Lot 5

2. 271 Hollenbeck Street
   Tax Map Parcel No. Section 091 Subsection 70 Block 1 Lot 4

3. 50 Balfour Drive
   Tax Map Parcel No. Section 091 Subsection 69 Block 2 Lot 23.001

These three parcels cover approximately 6.4 acres of land and, as shown on the Site Plan (Figure 2), the Site is developed as described below:

- **Main Building.** This approximate 134,000-square foot building is located at 50 Balfour Drive. This building is comprised of an approximate 65,700-square foot one and two-story concrete block building and two connecting one-story metal buildings, which are located west of the concrete block building. The concrete block building is currently used for electroplating and metal stamping. Historically, this building was used for a variety of activities including a printing and lithographing facility, and a manufacturing facility for small kitchen appliances. The metal buildings have been used for sheet metal fabrication, stamping, and assembly since the construction of the buildings.

- **Hollenbeck Building.** This approximate 8,000-square foot one-story building is located at 245-265 Hollenbeck Street on the eastern portion of the Site. This building is currently used as a warehouse and equipment storage facility. In the past (i.e., between about 1974 and 1995), parts machining operations were conducted in this building; however, parts cleaning was reportedly not conducted at this location.

- **Parking Lot.** There is an approximate 10,500-square foot asphalt-paved parking area on the southwestern portion of the Site (located on the 50 Balfour Drive parcel).

- **Roadway.** There is a roadway on the northern portion of the Site (located on the 271 Hollenbeck Street parcel). This portion of the Site previously contained a railroad spur line and a building that was used for various activities including crate storage for a canning plant, a garage, a brush manufacturer, printing, silk screening, a building supply company, welding, a construction company, and a heating and cooling company. This building was destroyed by a fire sometime before June 15, 1998.

- **Vegetation.** The remainder of the Site is covered by vegetation, primarily grass and closely-spaced trees on the northern portion of the Site (50 Balfour Drive) and the eastern portion of the Site (245-265 Hollenbeck Street).

- **Topography.** The Site is generally level. There is one elongated mounded area covered with vegetation (i.e., field grass) along the western portion of the Site adjacent to the railroad tracks that runs along the western boundary of the Site.

1.3 Site History

The Site was primarily vacant land prior to development in 1923, although a 1918 Plat Book indicates that a portion of the property was developed as athletic fields by Bausch and Lomb Optical Company at that time. Addison Lithographing Company originally developed the 50 Balfour Drive portion of the Site in 1923 with the construction of the original approximate 31,750-square foot structure that is part of the current 134,000-square foot building. Addison Lithographing Company operated a printing and lithographing facility at the current 50 Balfour Drive property between 1923 and 1950. Within this period, building permits were issued on: April 11, 1923 to construct a brick lithographing plant (i.e., the original building); December 29, 1926 for an addition to the factory building; and November 15, 1945 for a brick addition to a factory building.

Toledo Scale (House and Kitchen Division) owned and performed operations at the current 50 Balfour Drive portion of the Site between 1950 and 1969. Toledo Scale (House and Kitchen Division) manufactured kitchen machines and retail/industrial scales at this location. Between 1951 and 1969, building permits were issued on: November 9, 1951 for a masonry addition to a factory building; October 22, 1952 for a brick addition to a factory building; July 18, 1957 for a cement block addition to a warehouse; and March 17, 1965 to erect an addition to the rear masonry warehouse and office.

From about 1970 to the present, operations conducted at 50 Balfour Drive have generally included plastic injection molding, tool and die operations, sheet metal stamping, fabrication, assembly, and electro plating. The companies that have operated in this period include: Puente Plastics, a plastic packaging manufacturer (approximately 1970 – approximately 1979), McAlpin-Derleth Tool and Die Corporation (1972-1980), Monroe Plating (1979-

present), and McAlpin Industries (1999–present). OBI, LLC has owned the Site since 1997. Between 1973 and 2014, three additions to the Main Building were completed. The additions occurred in 1974 (7,200 square feet), 1987 (25,100 square feet), and 1998 (approximately 36,000 square feet). In addition, a building permit was issued on November 7, 1974 to erect an addition for a wastewater treatment plant. The types of chemicals that have been used at the Site include lubricating and cutting oils, acids, alkalis, zinc and cyanide. TCE was also used at the Site in the past but disposal records indicate that TCE was last used at the Site about 1992.

German Tool and Die, Inc. constructed the 8,000-square foot building on the 245-265 Hollenbeck Street property in 1973, and operated at this facility between 1973 and 1995 when the business was sold to German Machine, Inc., which operated at this location through 1999. German Tool and Die, Inc. and German Machine, Inc. both machined parts, but reportedly did not conduct parts cleaning at this location. In 2000, OBI, LLC purchased the building at 245-265 Hollenbeck Street and currently uses it as a warehouse facility for dry storage.

The 271 Hollenbeck Street parcel was originally developed with a residence. By 1926, an approximate 6,500-square foot building and a railroad spur line, running generally from east to west on the southern side of the building, were constructed on this portion of the Site. The railroad spur line was removed from the Site before 1988 (i.e., the railroad line is not visible in the 1988 aerial photograph). The 1932 Sanborn map listed W.N. Clark Company (a canning plant) as the occupant of 271 Hollenbeck Street at that time, and identified the use of the building as "crate storage and a garage". The structure at 271 Hollenbeck was owned and occupied by a building supply company (Herbert R E and Company), with a welding company and a construction company as tenants between at least 1950 and 1964. In 1969, the building was partially vacant and two of the rooms were occupied by Vaccaro James Mutual Funds and Pro-Weld Corporation. By at least 1974/1975, the building at 271 Hollenbeck Street was vacant. According to City of Rochester directories, O'Grady Heating and Cooling occupied the property between at least 1979 and 1984. [Note: City of Rochester Fire Department records also identify O'Grady Heating and Cooling as an occupant of this property in 1989 and 1990]. Walker Brush Company, a manufacturer of brushes, with printing and silk screening operations, was located at 271 Hollenbeck Street from at least 1985 through 1997. In addition to the Walker Brush Company, various tenants were located within the 271 Hollenbeck Street building between 1987 and 1991. These include Gary J. Enterprises, a printer, between about 1987 and 1990; O'Grady Heating and Cooling apparently through 1990; and Van Epps Construction, Inc. between about 1990 and 1991. [Note: City of Rochester Fire Department records indicate that Walker Brush Company was cited on April 20, 1989 for improper storage and grounding of acetone containers, and Gary J. Enterprises was cited on June 2, 1989 for an acetone clean-up tank that was not properly disposed. In addition, a Monroe County Department of Health document dated December

14, 1988 indicates that a complaint was received stating that cleaning solvents were dumped on the ground at the Gary J. Enterprises facility.] According to City of Rochester records, the building on the 271 Hollenbeck Street parcel was destroyed by fire and demolished sometime before June 15, 1998. OBI, LLC purchased the property on November 18, 1998. Currently, the 271 Hollenbeck Street portion of the Site is vacant land covered with a gravel access roadway and vegetation.

The operations that have been conducted at each of the three parcels are summarized below:

Property: 245- 265 Hollenbeck Street

Operations: Tool and Die (1973 – 1999)
Storage (2000 – 2016)

Property: 50 Balfour Drive

Operations: Printing (1923 – 1950)
Manufacturing, Plastic Injection Molding, Tool and Die, Stamping, Plating, Welding, and Assembly (1950 – 2016)

Property: 271 Hollenbeck Street

Operations: Railroad Siding (dates unknown)
Storage (1932)
Building Supply Company, welding and construction companies (~1950 – 1964)
Vacant (~1974 – 1975)
Heating Contractor (1978 – ~1990)
Printing (~1987 – ~1990)
Construction Contractor (~1990 – 1991)
Brush Manufacturer, with printing and silk screening (~1985 – 1997)
Vacant (1998 – 2016)

Note: The building at 271 Hollenbeck Street was destroyed by fire and demolished sometime before June 15, 1998, and the railroad tracks that made up the siding that had been located on this property had been removed by that time.

Three spills occurred at the Site that were reported to the NYSDEC. Each of these spills was subsequently remediated and the spill files have been closed by the NYSDEC. These spills include:

- **Diesel Fuel – 1993.** Diesel fuel spilled into the roadway at 255 Hollenbeck Street from a traffic accident on December 20, 1993. The spill was remediated and the spill file (#9311372) was closed by the NYSDEC.

- **Heating Oil - 2002.** Contaminated soil was reportedly encountered at the bottom of the excavation after a 6,000-gallon heating oil underground storage tank (UST) was removed from the 245-265 Hollenbeck Street property on February 28, 2002. Additional soil was removed and this spill file (#0111008) was closed by the NYSDEC.

- **Isopropyl Alcohol – 2004.** Two 55-gallon drums of isopropyl alcohol were punctured by a fork lift, and the contents spilled onto the floor of the Main Building on June 4, 2004. The spill was remediated and this spill file (#0470098) was closed by the NYSDEC.

1.3.1 Areas of Concern (AOCs) Identified in the RI/FS Work Plan

Some current and former Site features shown on Figure 3 are identified below.

- Property and approximate site boundaries.
- Main Building and attached metal buildings at 50 Balfour Drive.
- Storage building at 245-265 Hollenbeck Street.
- The former railroad tracks/siding.
- Various current and former operations within the building at 50 Balfour Drive.

The RI/FS Work Plan identified the potential or known areas of concern (AOCs) listed below. Also, the potential or known AOCs are shown on Figure 3.

- Former TCE vapor degreaser location.
- The former area of two 3,000 gallon fuel oil USTs.
- The former area of one 6,000 gallon fuel oil UST.
- Assumed location of former acetone tank.
- Assumed location where cleaning solvents were dumped on the ground at 271 Hollenbeck Street.
- Railroad tracks/siding formerly located on the Site.
- Mounded area.
- Floor spill/holding tank.
- The industrial wastewater pre-treatment plant.
- The interior drum storage area.
- Former pad-mounted transformer location.
- Surface soil area containing elevated TCE concentrations.

- Compressor discharge and associated oil-water separator and sump.
- Former Toledo Scale Oven Room and Spray Booth.
- Former oil room (1932 Sanborn Map).
- Location of spillage through wall.
- Spillage/leakage area.
- Former Oil & Grease Room near northeast corner of the 50 Balfour Drive building.
- 90-day hazardous waste storage area.
- Chemical storage area.
- Assumed boiler discharge location.
- Observed areas of petroleum impacts including former test pits TP-1, TP-2 and TP-3 and former test borings TB-6, TB-104, BH-01, BH-04, TB-119, TB-121 and TB-122.
- SSV-06 (sub-slab concentration of TCE of 19,200 ug/m^3).

Note: the building drainage systems (including floor drains, trench drains, roof leader discharges and storm sewers) have also been identified as an AOC, but this AOC is not shown on Figure 3. Instead, building drainage systems are shown on Figure 5.

1.4 Previous Environmental Studies

This section describes the soil and groundwater sampling and analyses events conducted at the Site prior to the Order on Consent dated November 6, 2013 for this Site, the biostimulation evaluation, and the phytoremediation project that have been performed at the Site since 1997, as well as the tank removals that have been conducted at the Site. Listed below are the sections of the report in which this work is described.

- Section 1.4.1: Underground Storage Tank Removals
- Section 1.4.2: 1997 Phase II ESA
- Section 1.4.3: 1998 Subsurface Soil Sampling
- Section 1.4.4: 2005-2006 Soil Sampling
- Section 1.4.5: 2008-2014 Soil Sampling
- Section 1.4.6: 2004-2013 Groundwater Sampling
- Section 1.4.7: 2009-2012 Biostimulation Evaluation
- Section 1.4.8: 2010 Phytoremediation Project

A total of 64 soil samples and 111 groundwater samples had been collected at the Site or in the right-of-ways (ROWs) prior to the Order on Consent (i.e., from 1997 until 2013). Most of

the samples had been analyzed for VOCs but some of these samples had been analyzed for metals, cyanide, zinc, and total petroleum hydrocarbons (TPH). A list of the soil and groundwater samples collected at the Site from 1997 through 2014 is presented in Appendix A.

The other work that had been conducted at the Site consisted of a biostimulation evaluation and a phytoremediation project. Both of these measures were designed to enhance the effects of natural biological processes to remove chlorinated volatile organic compounds (CVOCs) from overburden groundwater at the Site.

The tables that present the information discussed in this section are provided in Appendix A. Figures are provided in the Figure section. The figures and tables relevant to this section are listed below:

Tables:

- Table A: List of the Number of Samples Analyzed Per Parameter
- Table B: Summary of Soil Quality Data (1997-2013)
- Table C: Summary of Groundwater Quality Data (1997-2013)
- Table D: Soil Constituents Exceeding SCOs
- Table E: Summary of Halogenated VOCs in Groundwater

Figures:

- Figure 1: Project Locus Map
- Figure 2: Site Plan
- Figure 4: Site Plan with Previous Test Locations, Remedial Investigation (RI) Test Locations, and Select Off-Site Locations

These sampling and analyses events, the biostimulation evaluation, the phytoremediation project and the underground storage tank removals that have been conducted at the Site since 1997, are described below. The previous approach used to characterize environmental conditions at the Site had been to perform sampling and analyses programs that defined soil and groundwater quality conditions in specific, limited areas. This RI is designed to complete the characterization of Site environmental conditions.

The information and data described below were used to design the scope of the remedial investigation work that is presented in the subsequent sections of this RI/FS report.

1.4.1 Underground Storage Tank Removals

Two 3,000-gallon fuel oil USTs were installed at the Site in 1974 during a natural gas shortage. The USTs were located immediately west of the boiler room (i.e., in the courtyard area located north of the Main Building; refer to Figure 3). The USTs were filled with fuel oil but were never actively used at the facility. These USTs were removed sometime between 1980 and 1985. Prior to removal, the fuel oil was pumped out, and sold and reused by the adjacent business (i.e., German Tool & Die, Inc.) which was located at the 245-265 Hollenbeck Street portion of the Site. It was reported that the soils beneath the USTs were tested at the time the USTs were removed, and that no contamination was detected. However; as summarized in Section 1.4.2 (see below), several test pits excavated in this area contained evidence of petroleum contamination, an indication that fuel oil might have been released in this area. (Refer to the Records Search Report dated March 2014 and the RI/FS Work Plan dated August 13, 2015 that were prepared by DAY.)

In addition, as summarized in the Records Search Report dated March 2014 and the RI/FS Work Plan dated August 13, 2015, a 6,000-gallon fuel oil UST was located east of the building that is located on the 245-265 Hollenbeck Street portion of the Site (refer to Figure 3). This UST was installed in 1974 and removed in 2002 by New York Environmental Technologies, Inc. (NYETECH). A spill file (Spill #0111008) was opened by the NYSDEC during the removal of this tank. Groundwater was not tested at the time of the UST removal; however, a sheen was noted by NYETECH on groundwater in the excavation. Soil samples were collected from the excavation and analyzed. Petroleum contamination was detected in the soil sample collected from the west wall of the excavation (closest to the building foundation). A copy of the NYETECH report is included in the Records Search Report.

1.4.2 1997 Phase II ESA

As part of a real estate transaction in 1997, a Phase I Environmental Site Assessment (ESA) was prepared and a Phase II ESA sampling and analyses program was conducted.

The sampling and analyses work performed as part of the Phase II ESA consisted of the installation of six groundwater monitoring wells, the collection and analyses of groundwater samples from each of these six wells, and the collection and analyses of 13 soil samples. The samples that were collected and the parameters for which these samples were analyzed are shown on the chart below.

1997 Phase II ESA Samples					
Soil Samples			**Groundwater Samples**		
Sample Designation	**Sample Date**	**Test Parameters**	**Sample Designation**	**Sample Date**	**Test Parameters**
BH-01 (6-8')	08/22/97	TCL/STARS VOCs, TCL SVOCs	MW-1	10/02/97	TCL VOCs*, Total Zinc
TP-7 (9.5-10.5')	08/25/97	TCL/STARS VOCs, TPH	MW-2	10/02/97	TCL VOCs*, Total Zinc
BH-04 (6-8')	08/22/97	TCL VOCs*, TPH	MW-3	10/02/97	TCL VOCs*, Total Zinc
BH-09 (4-6')	08/25/97	TCL VOCs*	MW-4	10/02/97	TCL VOCs*, Total Zinc
TP-4 (3-4.5')	08/25/97	PCBs	MW-5	10/02/97	TCL VOCs*, Total Zinc
BH-01 (0-2')	08/22/97	Total Cyanide	MW-6	10/02/97	TCL VOCs*, Total Zinc
BH-01 (2-4')	08/22/97	TAL Metals	*STARS: NYSDEC Spill Technology and Remediation Series		
BH-04 (0-2')	08/22/97	TAL Metals			
BH-06 (2-4')	08/23/97	TAL Metals			
TP-2 (9-10')	08/25/97	TPH			
BH-11 (0-2)	09/17/97	TCL VOCs*			
BH-13 (6-8')	09/17/97	TCL VOCs*, Total Zinc			
BH-15 (9-11')	09/18/97	TCL VOCs*, Total Zinc			

As shown on Figure 4, the sampling locations identified above are primarily located in the northern/central section of the Main Building, and in the adjacent courtyard and unpaved areas north of the Main Building. The results of the laboratory analyses of the soil and groundwater samples for VOCs are presented in Tables in Appendix A.

The TCE concentrations in these soil samples ranged from 0.555 milligrams per kilogram (mg/kg) to about 124.6 mg/kg. The NYSDEC Unrestricted Use Soil Cleanup Objective (USCO) for TCE is 0.47 mg/kg, and the Industrial Restricted Use Soil Cleanup Objective (ISCO) for TCE is 400 mg/kg.

The highest concentrations of the CVOCs that have been detected at concentrations above the NYSDEC water quality standards are:

- tetrachloroethene (PCE)
- trichloroethene (TCE)
- trans-1,2-Dichloroethene (trans-1,2-DCE)

- cis-1,2-Dichloroethene (cis-1,2-DCE)
- vinyl chloride

The highest concentrations of the CVOCs detected in any of the groundwater samples collected from Site wells previous to the RI were primarily detected in monitoring wells MW-1 through MW-6 in 1997.

Overall, the Phase II ESA data demonstrated that CVOCs were present in subsurface soil at the Site, at least in areas beneath and adjacent to the northern/central section of the Main Building, and in overburden groundwater at concentrations above NYSDEC SCGs. The studies described below provided additional information on other specific Site soil areas, and on the extent, fate, and transport of VOCs in Site groundwater.

In addition, detectable concentrations of TPH were present in soil samples from TP-2 and BH-04, at a maximum concentration of 285 parts per million (ppm) (BH-04). Also, free product was observed in Test Pits TP-1, TP-2 and TP-3. These test pits were located in the area of two former 3,000 gallon fuel oil USTs (refer to Section 1.4.1).

1.4.3 1998 Subsurface Soil Sampling

Soil borings were advanced and four soil samples were collected in 1998 in order to collect additional information on Site soil quality (refer to Figure 4). The following chart lists the four soil samples that were collected and analyzed in 1998 and the parameters for which these samples were analyzed.

Sample No.	Sample Date	Test Parameters
TB-2 (12-12.5')	04/22/98	TCL/STARS VOCs
TB-6 (4-8')	04/22/98	TCL/STARS VOCs, STARS SVOCs
TB-8 (8-10')	04/22/98	TCL/STARS VOCs
TB-6 (8-10')	04/22/98	TPH

The results of the laboratory analyses of these four soil samples are presented in the Tables provided in Appendix A. None of the 1998 soil samples contained VOCs at a concentration above the NYSDEC USCOs. However; a detectable concentration of TPH was present in the soil sample from TB-6 at a concentration of 1,806 ppm.

1.4.4 2005–2006 Soil Sampling

Soil borings were advanced and 22 subsurface soil samples were collected from various areas of the Site, primarily in the northern/central Main Building area, in February 2005. The following chart lists the 22 soil samples that were collected and analyzed in 2005, and the parameters for which these samples were analyzed. These soil sample locations are shown on Figure 4.

2005 Soil Samples					
Sample Designation	**Sample Date**	**Test Parameters**	**Sample Designation**	**Sample Date**	**Test Parameters**
TB-101 (6.5')	02/01/05	TCL/STARS VOCs + TICs, Total Zinc, Total Cyanide	TB-114 (9.3')	02/02/05	CVOCs + TICs
TB-102 (11.7')	02/01/05	CVOCs + TICs, Total Zinc, Total Cyanide	TB-115 (1.0')	02/02/05	Total Zinc
TB-104 (6.0')	02/01/05	Total Zinc	TB-115 (7.0')	02/02/05	Total Zinc
TB-104 (11.0')	02/01/05	CVOCs + TICs, TPH	TB-115 (10.7')	02/02/05	CVOCs + TICs
TB-106 (9.3')	02/01/05	CVOCs + TICs	TB-11 7(6.5')	02/02/05	Total Zinc
TB-109 (9.6')	02/01/05	CVOCs + TICs	TB-117 (9.9')	02/02/05	CVOCs + TICs
TB-110 (9.3')	02/01/05	CVOCs + TICs	TB-119 (3.5')	02/02/05	TPH
TB-112 (7.5')	02/01/05	Total Zinc	TB-119 (10.5')	02/02/05	CVOCs + TICs
TB-113(6.5')	02/01/05	Total Zinc	TB-120 (12.0')	02/02/05	CVOCs + TICs
TB-114 (2.0')	02/02/05	Total Zinc	TB-121 (6.5')	02/02/05	TPH
TB-114 (6.5')	02/02/05	Total Zinc	TB-122 (11.0')	02/02/05	CVOCs + TICs, TPH

The results of the laboratory analyses of these 22 soil samples for VOCs are presented in the Tables provided in Appendix A. Two of the 22 soil samples collected in 2005 contained CVOCs at concentrations above the NYSDEC USCOs, and none of the soil samples contained CVOCs at concentrations that exceeded the ISCOs. Sample TB-101 collected from the soil beneath the northern/central section of the Main Building contained TCE at a concentration of 1.5 mg/kg, and sample TB-117 in the same general area contained TCE at a concentration of 0.555 mg/kg. The NYSDEC USCO for TCE is 0.47 mg/kg, and the ISCO for TCE is 400 mg/kg.

Also, detectable concentrations of TPH were present in the four soil samples submitted for TPH analysis. TPH was detected in soil sample TB-104 at 231 ppm, in soil sample TB-119 at 502 ppm, in soil sample TB-121 at 29.3 ppm, and in soil sample TB-122 at 807 ppm.

Even though the results of the soil sampling conducted in 2005 indicated that the presence of CVOCs in subsurface soil at concentrations above NYSDEC SCOs may be limited in extent, groundwater data collected at this time (as discussed in Section 1.4.6) indicated that CVOCs could possibly be present at concentrations above NYSDEC SCOs in subsurface soil. In response, an additional 20 subsurface soil samples were collected from various Site areas in August 2006. Those sample locations are shown on Figure 4. The following chart lists the 20 soil samples that were collected and analyzed in 2006, and the parameters for which these samples were analyzed.

2006 Soil Samples					
Sample Designation	**Sample Date**	**Test Parameters**	**Sample Designation**	**Sample Date**	**Test Parameters**
TB-200 (4.0')	08/09/06	CVOCs, Total Zinc	TB-207(0-2')	08/10/06	CVOCs
TB-200 (8.0')	08/09/06	CVOCs, Total Zinc	TB-208 (0-2')	08/10/06	CVOCs
TB-201 (8.0')	08/09/06	CVOCs, Total Zinc	TB-209 (0-2')	08/10/06	CVOCs
TB-202 (10.5')	08/09/06	CVOCs, Total Zinc, Total Cyanide	TB-210 (11.9')	08/10/06	TCL/STARS VOCs
TB-203 (4.0')	08/09/06	CVOCs, Total Zinc, Total Cyanide	TB-211 (11.0')	08/10/06	CVOCs, Total Zinc, Total Cyanide
TB-203 (8.0')	08/09/06	CVOCs, Total Zinc	TB-212 (11.5')	08/10/06	CVOCs, Total Zinc
TB-203 (12.0')	08/09/06	CVOCs, Total Zinc, Total Cyanide	TB-213 (11.9')	08/10/06	CVOCs, Total Zinc
TB-204 (12.0')	08/09/06	CVOCs, Total Zinc	TB-214 (11.0')	08/10/06	TCL/STARS VOCs
TB-205 (0-2')	08/10/06	CVOCs	TB-215 (8.0')	08/10/06	CVOCs
TB-206 (0-2')	08/10/06	CVOCs	TB-215 (11.9')	08/10/06	CVOCs

The results of the laboratory analyses of these 20 soil samples are presented in Appendix A. Only two of the 20 soil samples collected in 2006 contained CVOCs at concentrations above the NYSDEC USCOs, and none of the soil samples contained CVOCs at concentrations that exceeded ISCOs.

Sample TB-202 collected from the soil beneath the northern/central section of the Main Building contained cis-1,2-DCE at a concentration of 2.34 mg/kg, and sample TB-213 in the same general area contained methylene chloride at a concentration of 0.219 mg/kg. The NYSDEC USCO for cis-1,2-DCE is 0.25 mg/kg, and the NYSDEC USCO for methylene chloride is 0.05 mg/kg. The chemical cis-1,2-DCE is often found as a product of the breakdown of TCE by natural biodegradation or other processes. Methylene chloride is a common laboratory contaminant and is probably not a Site-related constituent.

1.4.5 2008-2011 Soil Sampling

Soil borings were advanced and four surface and subsurface soil samples were collected from various areas of the Site in 2008, and one soil sample was collected in 2011. Refer to Figure 4 for the location of these soil samples. The chart provided below lists the five soil samples that were collected and analyzed from 2008 through 2011, and the parameters for which these samples were analyzed.

2008-2011 Soil Samples		
Sample Designation	**Sample Date**	**Test Parameters**
SS-1 (0-2")	10/01/08	TCL/STARS VOCs
SS-4 (2-4")	10/01/08	TCL/STARS VOCs
IB-100 (2-4')	10/01/08	TCL/STARS VOCs
IB-100 (5-7')	10/01/08	Halogenated VOCs
TB-402 (11')	03/07/11	Halogenated VOCs

The results of the laboratory analyses of these five soil samples are presented in Appendix A. Only one of the five soil samples collected from 2008 through 2011 contained VOCs at concentrations above the NYSDEC USCOs, and none of the soil samples contained VOC concentrations that exceeded the ISCOs. Acetone was detected in soil sample SS-1 at a concentration of 0.723 ppm, which exceeded the NYSDEC USCO.

1.4.6 2004-2013 Groundwater Sampling

Prior to conducting the RI, there was an existing groundwater monitoring well network at the Site consisting of 17 groundwater monitoring wells. Sixteen of these

wells were screened in the shallow (i.e., up to 10 ft. bgs) overburden aquifer and one of these wells (i.e., MW-7R) was screened in the bedrock aquifer (Note: MW-7R was previously designated as MW-7). The first six wells in the network were installed as part of the 1997 Phase II ESA, as discussed in Section 1.4.2.

The remaining wells were installed in various stages starting in 2007 and continuing through 2011 in order to provide additional information on groundwater quality in the shallow overburden aquifer at the Site.

A total of 20 sampling events were conducted from October 2004 to January 2013. The chart provided below show the wells used to collect groundwater samples during each of these sampling events.

October 2004 to July 2009 Groundwater Sampling Periods

Well No.	10/15/04	06/07/06	06/27/07	07/31/07	05/01/08	08/21/08	12/03/08	01/29/09	03/31/09	05/08/09	07/20/09
MW-1	x	x	x		x	x					
MW-3	x	x			x	x					
MW-4						x					
MW-5	x	x		x	x	x	x	x	x	x	x
MW-6									x		
MW-7R*			x	x	x	x			x		
MW-8			x		x	x			x		x
MW-9			x		x	x			x		
MW-10			x		x	x			x		
MW-11			x		x	x					
MW-12			x		x	x					
MW-13			x		x	x					
MW-14							x				

* Bedrock well MW-7R was previously designated MW-7. The other Site wells are screened in the shallow overburden aquifer.

Note: Wells MW-16, MW-17, and MW-18 are not listed above because they were not installed until 2011.

September 2009 to February 2014 Sampling Periods									
Well No.	09/14/09	12/21/09	03/24/10	04/14/10	10/25/10	03/28/11	98/22/11	11/29/12	01/04/13
MW-1				x	x		x	x	x
MW-3					x		x	x	
MW-5	x	x	x	x	x		x	x	x
MW-6	x		x		x		x	x	
MW-7R*	x		x		x		x	x	
MW-8	x	x	x		x		x	x	
MW-9	x		x		x		x	x	
MW-10	x		x		x		x	x	
MW-12				x	x				
MW-13					x		x	x	
MW-14							x	x	
MW-16						x	x	x	
MW-17						x	x	x	
MW-18						x	x	x	x

* Bedrock well MW-7R was previously designated MW-7. The other Site wells are screened in the shallow overburden aquifer.

These groundwater samples were analyzed for CVOCs, except for the samples collected in 2004 and 2006. The groundwater samples collected on October 15, 2004 were analyzed for TCL/STARS VOCs, total zinc, and total cyanide. The groundwater samples analyzed on June 7, 2006 were analyzed for TCL/STARS VOCs and total zinc.

The results of the analyses of these groundwater samples are presented in Appendix A. The chart provided below shows that five CVOCs have been detected in groundwater samples collected from each of the Site groundwater monitoring wells at concentrations above the NYSDEC groundwater quality standards. No other constituents were detected in Site groundwater at concentrations above the NYSDEC groundwater quality standards. These five CVOCs, and the highest concentration at which these CVOCs have been detected in groundwater samples collected at the Site between 1997 and 2013, are shown in the chart provided below.

Constituent	Highest Detected Concentration (µg/L)	Date of Sampling	Well No.
PCE	11.9	10/02/97	MW-1
TCE	4,917.1	10/02/97	MW-6
Trans 1,2-DCE	43.5 E	10/02/97	MW-6
cis 1,2-DCE	11,500	03/31/09	MW-6
Vinyl Chloride	5,400	09/14/09	MW-6

E = The concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Refer to Appendix A for a comparison of the groundwater quality data to the NYSDEC groundwater quality standards.

Three CVOCs (i.e., trans-1,2-DCE, cis-1,2-DCE and Vinyl Chloride) are products of the chemical and/or biological degradation of PCE and TCE and, consequently, their presence in Site groundwater may be the result of the natural biodegradation of PCE and TCE and/or to the enhanced bioremediation that occurred in response to the biostimulation evaluation discussed in Section 1.4.7.

Overall, the 2004 through 2013 groundwater data showed:

- The highest concentrations of CVOCs in shallow overburden groundwater are located beneath the northern/central section of the Main Building.
- Although the concentrations of the CVOCs have generally decreased since 1997, the CVOC concentrations are still present in Site groundwater at concentrations above NYSDEC groundwater quality standards.

1.4.7 2009-2012 Biostimulation Evaluation

A biostimulation evaluation was conducted at the Site beginning in August 2008 and continued through August 2009. The biostimulation evaluation focused on the uppermost groundwater zone (overburden) beneath the northern central section of the Main Building, and the adjacent exterior area north of the Main Building. The purpose of this evaluation was to evaluate the degree to which CVOC concentrations in groundwater could be reduced through the introduction of nutrients (i.e., sugar and vegetable oil) into the overburden groundwater zone to promote the natural anaerobic biodegradation of these constituents in groundwater.

The biostimulation evaluation consisted of the following activities:

- Initially, groundwater samples were collected from monitoring wells MW-5, MW-6, MW-7R, and MW-8 on August 21, 2008. These samples were tested in the field for dissolved oxygen, Oxidation Reduction Potential (ORP), pH, and specific conductance. A separate groundwater sample from each of these monitoring wells was submitted to an analytical laboratory and analyzed for VOCs and bioremediation assessment parameters (e.g., boron, nitrate, sulfate, etc.).

- Subsequently, Phase I of the biostimulation evaluation was initiated on December 4, 2008 with the injection of a sugar-water solution followed by the injection of vegetable oil into well MW-15. The vegetable oil was flushed into the subsurface by hot water, and a specialized well cap secured to the top of MW-15 that allowed low-pressure (i.e., typically less than 25 psi) injection of compressed air to force the sugar/vegetable oil water solution into the groundwater. Phase I of the biostimulation evaluation was extended through January 9, 2009. During Phase I, approximately 145 gallons of sugar solution and 45 gallons of vegetable oil were placed into well MW-15.

- A Phase II component of the biostimulation evaluation was performed from June 18, 2009 through August 11, 2009, when approximately 51 gallons of vegetable oil was injected into MW-15 using low-pressure compressed air. Vegetable oil was also injected into monitoring wells MW-4 (approximately 59 gallons), MW-11 (approximately 30 gallons) and MW-14 (approximately 35 gallons) during this period. [Note: Monitoring wells MW-4, MW-11 and MW-14 are located hydraulically upgradient of MW-15 and the target evaluation area (refer to Figure 4 for the locations of these wells).]

- In conjunction with the injection process, downgradient monitoring wells MW-5, MW-6, MW-7R, MW-8 and MW-9 were routinely monitored to measure in-situ parameters of pH, ORP, and dissolved oxygen, and testing was completed on several occasions to assess microbe populations.

Evaluation Results

- Field parameter measurements suggest that the addition of amendments promoted the desired anaerobic environment (i.e., particularly in proximity of the injection locations, with less evidence in locations further downgradient).

- During, and subsequent to, the evaluation, samples were collected from MW-5, MW-7R, MW-8, and MW-9 and submitted to Microbial Insights, Inc. (MI) for testing of *Dehalococcoides* populations and functional groups. These test results are summarized in the chart provided below.

	MW-5			
	3-31-09	**7-20-09**	**9-28-11**	**11-29-12**
DHC	**2.98E+04**	**1.32E+05**	**8.12E+02**	**2.98E+05**
tceA	NT	**2.00E-01**	**<4.53E-1**	**1.23E+03**
bvcA	NT	**3.77E+04**	**6.56E+02**	**8.96E+04**
VCR	NT	**1.72E+05**	**5.69E+01**	**1.06E+05**

	MW-7R		*MW-8*			*MW-9*	
	9-28-11	**11-29-12**	**3-31-09**	**9-28-11**	**11-29-12**	**9-28-11**	**11-29-12**
DHC	**1.63E+04**	**1.88E+01**	**3.00E+00**	**6.78E+03**	**8.50E+00**	**2.97E+04**	**8.60E+00**
tceA	**1.20E+03**	**4.20E+00**	NT	**1.75E+01**	**4.70E+00**	**2.63E+03**	**4.70E+00**
bvcA	**4.23E+03**	**8.30E+00**	NT	**1.28E+03**	**<4.0E+00**	**2.16E+03**	**<3.7E+00**
VCR	**2.42E+03**	**9.80E+00**	**NT**	**9.79E+04**	**4.60E+00**	**2.92E+04**	**1.1E+00 J**

Notes:

Units = cells/mL

NT = Sample not tested

DHC = Dehalococcodies spp.

J = Estimated Value

Functional Genes

tceA = The tceA gene encodes the enzyme responsible for reductive dechlorination of TCE to cis-DCE in some strains of *Dehalococcodies.* Detection of the tceA gene provides evidence of the potential dechlorination of TCE.

bvcA = Presence of the bvcA gene indicates the potential reductive dechlorination of vinyl chloride to ethene.

VCR = Presence of the VCR gene indicates the potential for reductive dechlorination of DCE and/or vinyl chloride to ethene.

E+04 = Concentration $>10^4$ cells/mL indicates dechlorination is occurring and conditions are favorable for complete degradation to ethene

E+01 = Concentration 10^1 cells/mL to $<10^4$ cells/mL indicates marginal conditions for dechlorination and biostimulation may be necessary

E+00 = Concentration $<10^1$ cells/mL is low and not favorable for dechlorination; biostimulation and/or bioaugmentation required

- The CVOCs measured in samples collected from monitoring wells MW-5, decreased immediately following the Phase I and Phase II evaluations, but the 2012 testing indicated an increase in concentrations. The test results for MW-6 suggest that concentrations increased following the Phase I evaluation, but since March 31, 2009 steadily decreasing concentrations were measured. The results for MW-8 and MW-7R are inconclusive. The concentrations in samples from MW-8 indicate an apparent increasing trend, and although the samples collected from MW-7R on 11/29/2012 contained higher concentrations than previous sample events, the concentrations measured in the samples collected from this well were generally consistent throughout the evaluation.

Although some of the test results for the most-recent sampling event (i.e., samples collected on November 29, 2012) indicated a decrease in *Dehalococcoides* populations and the desired functional groups, the results for samples collected during the evaluation were favorable suggesting that biostimulation is a viable remedial alternative for the Site.

1.4.8 2010 Phytoremediation Project

Beginning in 2010, a phytoremediation project was performed at the Site in consultation with Dr. Louis A. Licht of Ecolotree, Inc. A summary of the tasks performed as part of this phytoremediation project, and a chronology of this work is presented below.

- In June 2010, a total of 150 male hybrid poplar whips were planted within three trenches. (A whip is a slender, unbranched shoot or plant. This term is used in forestry to refer to unbranched young tree seedlings that have been grown for planting). Each trench was approximately 500 feet long, and the trench extended from the ground surface into the top of the water table such that the bottoms of the whips were within the water table. The whips were approximately 10 to 12 feet high and they were purchased from Ecolotree, Inc. The whips were planted at approximate 10-foot intervals, and a combination of mineral fertilizer, compost, and granular sugar was added to the soil backfill as the whips were planted.

- In April 2011, 117 male hybrid poplar replacement whips purchased from Ecolotree, Inc. were planted to replace trees that either died due to the hot and dry weather encountered in June and July 2010, or did not appear to be thriving.

- In May 2012, 25 additional hybrid poplar and 10 hybrid willow trees purchased from Ecolotree, Inc., and whips removed from established trees, were planted to supplement the trees planted previously, and to add trees on the north side of the 245-265 Hollenbeck Street property.

- In the 2013 growing season, the trees appeared to be generally well established and growing.

Analytical laboratory test results for groundwater samples collected from monitoring wells located downgradient/crossgradient of the phytoremediation project suggest that phytoremediation may be effective in reducing CVOC concentrations in Site groundwater. Wells MW-9 and MW-10 are located downgradient/crossgradient of the phytoremediation area located on the northern boundary of the Site. Groundwater flow in the overburden was measured to be to the east for the majority of the Site, based on measurements taken on May 23, 2016 and September 19, 2016 (refer to Section 4.3). The table below provides a comparison of average total CVOCs (i.e., the sum of PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, vinyl chloride) for measurements completed prior and subsequent to the planting of the phytoremediation trees in wells located both directly downgradient/crossgradient of the phytoremediation area.

Well Location	Well ID	Average Total CVOCs (µg/L) prior to Phytoremediation Project	Average Total CVOCs (µg/L) subsequent to Phytoremediation Project
Downgradient/ Crossgradient	MW-9	85.7	18.1
	MW-10	303.8	2.2

Based on the decreases in concentrations of CVOCs in wells located downgradient/crossgradient of the phytoremediation area after the trees were planted, it appears that the phytoremediation area may be effective in reducing CVOC contamination in the overburden groundwater.

1.5 Report Organization

This report is organized into eleven sections that pertain to various aspects of this project. The contents of Section 1.0 through 11.0 are summarized below:

Section 1.0 – Introduction: This section of the report presents the purpose and objective of the RI/FS project, and also presents Site background, Site history and previous Site Investigation work.

Section 2.0 – Consent Order and Remedial Investigation Activities: This section of the report presents the investigative work conducted as part of this project.

Section 3.0 – Nature and Extent of Impact: This section of the report presents the findings of the investigative work as it relates to impacts in soil and groundwater.

Section 4.0 – Physical Characteristics of the Site: This section of the report presents the physical characteristics of the Site such as geology, lithology, hydrogeology, demography and land use.

Section 5.0 - Contaminant Fate and Transport: This section of the report presents information on the fate and transport of contaminants detected at the Site. This includes information on potential routes of migration, contaminant persistence, and contaminant migration.

Section 6.0 - Exposure Assessment: This section of the report summarizes the findings of a qualitative human health exposure assessment, as well as a fish and wildlife resources impact analysis decision key, which were conducted as part of this project.

Section 7.0 - Remedial Investigation Conclusions: This section of the report summarizes the findings of the investigative work that was conducted as part of this project and provides recommendations for additional work as deemed necessary.

Section 8.0 – Remedial Goals, Objectives, Consideration Factors, and Evaluation Criteria: This section of the report discusses cleanup goals, remedial action objectives, other factors of concern, identification of contaminants of concern, remediation criteria, general response actions, and development of remedial alternatives in relation to the remaining environmental impacts present at the Site.

Section 9.0 – Detailed Evaluation of Alternatives: This section of the report presents an evaluation of the alternatives for addressing the remaining environmental impacts at the Site. The recommended alternative is also identified in this section.

Section 10.0 - References: This section provides a list of references used for development of this report.

Section 11.0 - Acronyms: This section provides a list of acronyms used in this report.

1.6 Planned Future Use of the Site

The Site is located in an M-1 Industrial District zoned section of the City of Rochester, according to the City's Neighborhood and Business Development Department. It is DAY's understanding that the planned future use of the Site is consistent with current use.

1.7 Standards, Criteria and Guidance Values

Applicable standards, criteria, and guidance (SCG) values that were used for this project are outlined below:

- Appropriate Soil Cleanup Objectives (SCOs) and other guidance as set forth in 6 NYCRR Part 375-2 Inactive Hazardous Waste Disposal Program dated December 14, 2006.

- Appropriate Soil Cleanup Levels (SCL) and other guidance as set forth in NYSDEC CP-51 Soil Cleanup Guidance dated October 21, 2010.

- Guidelines referenced in the NYSDEC document titled "DER-10 Technical Guidance for Site Investigation and Remediation" dated May 10, 2010.

- Appropriate water quality standards and guidance values (WQS/GV) as set forth in the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) document titled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" dated June 1998, and amended by a January 1999 Errata Sheet, an April 2000 Addendum, and a June 2004 Addendum.

- Monroe County Sewer Use Permit Requirements.

1.8 Work Conducted Under the Consent Order for NYSDEC Site No. 828188

Work completed under the Consent Order for NYSDEC Site No. 828188 dated November 6, 2013 has included a perimeter off-site soil vapor and groundwater evaluation, soil vapor intrusion evaluation of on-site structures, an interim remedial measure, preparation of the RI/FS Work Plan and two Supplemental RI Work Plans, completion of the RI and two Supplemental RIs, and preparation of the RI/FS report.

2.0 CONSENT ORDER AND REMEDIAL INVESTIGATION ACTIVITIES

DAY completed a Perimeter Off-Site Soil Vapor and Groundwater Evaluation in 2014 under the Order on Consent and Administrative Settlement Index #B8-0815-13-10 (Consent Order) dated November 6, 2013 in accordance with a NYSDEC approved work plan in order to evaluate VOC impacts within the soil vapor and groundwater adjacent to the perimeter of the Site and the surrounding neighborhood. The findings of the Perimeter Off-Site Soil Vapor and Groundwater Evaluation are provided in the report titled "*Right-of-Way and Site Perimeter Soil Vapor and Groundwater Summary Repor*t" dated June 2014. Refer to Appendix B for a copy of the "*Right-of-Way and Site Perimeter Soil Vapor and Groundwater Summary Repor*t" dated June 2014, and Appendix J for a copy of the NYSDEC approval letter. The off-site soil vapor and groundwater evaluation activities conducted in 2014 are further described in the subsections included below (i.e., Section 2.1.1).

DAY also completed a Soil Vapor Intrusion (SVI) Evaluation of On-Site Structures under the Consent Order in accordance with the NYSDEC approved work plan titled "*Soil Vapor Intrusion Evaluation of On-Site Structures Work Plan*" dated February 2014. The finding of the SVI study are provided in the report titled "*Soil Vapor Intrusion Evaluation of On-Site Structures Summary Report*" dated July 2014. Refer to Appendix B for a copy of the "*Soil Vapor Intrusion Evaluation of On-Site Structures Summary Report*" dated July 2014 and Appendix J for a copy of the NYSDEC approval letter. The activities associated with the soil vapor intrusion evaluation of on-site structures conducted in 2014 are further described in the subsections included below (i.e., Section 2.1.2).

An Interim Remedial Measure (IRM) Work Plan was also completed for the Site under the Consent Order. The IRM Work Plan was developed specifically to address potential soil vapor intrusion from beneath the building (refer to Section 3.1.2 for the findings of the on-site SVI study), and to reduce the potential exposure of building inhabitants to VOC vapors that may be migrating into the building from beneath the building slab. Refer to Appendix B for a copy of the "*Construction Completion Report*" dated February 2019, and Appendix J for a copy of the NYSDEC approval letter. [Note: The IRM work conducted for the Site is summarized in the "*Construction Completion Report*" (CCR) dated February 2019.] The IRM activities are further described in the subsections included below (i.e., Section 2.1.3).

The NYSDEC approved the initial RI/FS Work Plan (with modifications) in a letter dated December 21, 2015. Refer to Appendix J for a copy of the formal approval letter from the NYSDEC. Also, the NYSDEC approved a 2016 Supplemental RI Work Plan in an email dated September 14, 2016, and in a formal approval letter dated October 6, 2016. Refer to Appendix J for the email approval from the NYSDEC and the formal approval letter from the NYSDEC. The 2016 Supplemental RI Work Plan described the sampling and analysis that would be conducted during the 2016 Supplemental RI groundwater sampling event.

In addition, a 2017 Supplemental RI Work Plan was approved by the NYSDEC on March 17, 2017. Refer to Appendix J for the formal approval letter from the NYSDEC. The 2017 Supplemental RI Work Plan described additional investigative studies that would be conducted inside the Main Building. Due to operational reasons, a decision was made to remove the Barrel Plating Line that was located in the Main Building at the Site. The removal of this plating line created an area in the Main Building approximately 25 ft. by 90 ft. in size that was generally accessible and which was not accessible for investigative studies prior to its removal. It appeared possible that such an investigation could potentially identify a source area of contamination, the remediation of which could expedite future clean-up of the Site.

The RI activities that were completed are further described in the subsections included below (i.e., Sections 2.2.1 through 2.2.6). Table 1 includes a summary of the sample designations, locations, dates, applicable depth interval, and test parameters for each sample collected as part of the initial RI, the 2016 Supplemental RI, and the 2017 Supplemental RI.

2.1 Work Conducted Under Consent Order Prior to Remedial Investigation

2.1.1 Perimeter Off-Site Soil Vapor and Groundwater Evaluation

Groundwater Evaluation

Between February 10, 2014 and February 12, 2014, nine test borings were advanced at exterior off-Site locations. The test borings were advanced using a direct-push drill rig operated by TREC Environmental, Inc. (TREC). The majority of the test borings were advanced until equipment refusal was encountered; the maximum depth of the test borings was 12.0 ft. bgs.

Macrocore soil samples were collected in continuous four-foot runs. Samples were classified, logged, screened with a PID, and the headspace above portions of the samples was also screened with a PID. Select soil samples were also collected for potential analytical analyses to confirm the field observation findings.

Groundwater samples were collected from test borings ROW-1 and ROW-9 using a Geoprobe® Screen Point 16 Groundwater Sampler. One-inch internal diameter (ID) temporary monitoring wells were installed in test borings ROW-2, and ROW-4 through ROW-8; however, groundwater was not encountered in the temporary monitoring wells installed in test borings ROW-2, ROW-6, and ROW-7.

Soil and groundwater samples were submitted for the laboratory testing listed below:

- TCL VOCs plus TICs using USEPA Method 8260:
    - Soil Samples ROW-2, ROW-3, ROW-6, ROW-7
    - Groundwater samples ROW-1, ROW-4, ROW-5, ROW-8, ROW-9

Refer to Figure 2 of the "*Right-of-Way and Site Perimeter Vapor and Groundwater Summary Report"* (provided in Appendix B) for the location of these samples.

Off-Site Soil Vapor

Temporary soil vapor points were installed by advancing a direct-push test boring to a depth approximately one foot above the top of the static groundwater level as determined based upon conditions observed during the collection of the groundwater samples. In locations where groundwater was not encountered in the test borings the soil vapor probes were installed to a depth of 6 ft. bgs. After reaching the targeted depth, a soil vapor probe (e.g., a 6-inch long double woven stainless-steel screen attached to 3/8-inch diameter Teflon lined tubing) was installed in the borehole at the targeted depth. The borehole was backfilled with clean filter sand to a depth of at least 6 inches above the top of the soil vapor probe. Thereafter the remaining borehole was backfilled with hydrated bentonite. A second soil vapor point was installed in proximity to sample point ROW-2 to collect a duplicate sample.

On February 14, 2014, the soil vapor sample points were tested for potential surface air infiltration using a helium tracer gas test in accordance with the provisions outlined in the NYSDOH guidance document. Once the helium concentration measured in the soil vapor probes were below 10% of the enriched atmosphere, the soil vapor points were purged of 3 to 4 volumes of air at a flow rate that did not exceed 0.2 liters per minute.

Subsequent to soil vapor probe purging, samples were collected using batch certified 6-liter Summa canisters equipped with 2-hour regulators provided by the analytical laboratory. In addition to the soil vapor samples, one background outdoor air sample was collected approximately three feet off the ground from an upwind location [refer to Figure 2 of the "*Right-of-Way and Site Perimeter Vapor and Groundwater Summary Report"* (provided in Appendix B) for the location of these samples], using a Summa canister during the same general two-hour period. The soil vapor and background air Summa canister vacuum readings were recorded at the start of the test and monitored throughout the test to document that the canisters were operating as intended (refer to the soil vapor sampling logs included in Appendix B).

Soil vapor samples were submitted to the analytical laboratory for testing of TCL VOCs via USEPA method TO-15 (i.e., soil vapor samples ROW-1 through ROW-9) and TCL VOCs via USEPA method TO-15 (i.e., air sample BG-1).

2.1.2 Soil Vapor Intrusion Evaluation of On-Site Structures

A product inventory was first conducted by DAY representatives. VOC screening measurements were also obtained using a part per billion (ppb) RAE PID concurrent with completion of the product inventory review. Observations of drafts and air flow within the building were also completed, and heating and make-up air units were observed.

On March 26, 2019, paired sub-slab vapor and indoor air sample were collected from nine locations in the Main Building, one location in the 245-265 Hollenbeck Street building, and two background outdoor air samples from upwind of the buildings (i.e., west of the buildings).

The sub-slab vapor samples were collected from a temporary probe installed through the slab-on-grade floors and into the subsurface. A small diameter hole (approximately 0.25 inches in diameter) was advanced through the building slab and approximately 2-inches into the subsurface. Food grade quality Teflon-lined tubing, slotted at the bottom, was inserted into the hole and extended above the floor surface. The annulus around the slotted tubing was backfilled with sand, and a bentonite seal was installed above the sand pack extending to the floor surface. Prior to collecting the sub-slab vapor samples, a minimum of three vapor probe volumes was purged at a rate not exceeding 0.2 liter per minute from each sub-slab vapor sampling location.

For each sub-slab vapor sample, a corresponding indoor air sample was collected in proximity to the sub-slab vapor sample location, at a location of approximately three feet above the floor surface. The indoor air samples were collected concurrently with the sub-slab vapor samples. The air sampling was conducted during a period of reduced facility activity (i.e., second shift operation) to minimize the impact of facility operations. A PID was used to measure the background concentration of VOCs in the air space in the vicinity of the air and sub-slab vapor samples, and the results were recorded on the sampling logs included in the "*Soil Vapor Intrusion Evaluation of On-Site Structures Report"* included in Appendix B. Background VOC concentrations were collected at a rate of approximately once per hour for the duration of the sampling event.

The background outdoor air samples were collected approximately three feet above the ground surface, at upwind exterior locations along the western boundary of the Site. The outdoor air samples were collected concurrently with the indoor air samples and the sub-slab vapor samples.

Sub-slab vapor, indoor air, and background air samples were collected using laboratory certified "clean" 6-liter Summa canisters. The Summa canister air flow-rates were controlled with pre-calibrated 8-hr regulators supplied by the laboratory. Vacuum gauges on the regulators were monitored during sample collection to check for proper operation of the Summa canister. The vacuum readings recorded at the start of the test and monitored throughout the test are provided on the Soil Vapor and Air Sampling Logs included in the "*Soil Vapor Intrusion Evaluation of On-Site Structures Report"* included in Appendix B .

The sub-slab vapor samples and the indoor/outdoor air samples were submitted under chain-of-custody documentation to Spectrum Analytical Inc. of Warwick, Rhode Island (Spectrum-Rhode Island) for analysis of VOCs via USEPA Method TO-15. Spectrum-Rhode Island is a NYSDOH ELAP certified laboratory (ELAP ID 100329).

2.1.3 Interim Remedial Measure

DAY performed communication testing and site evaluation activities in October 2014 to evaluate remedial options for mitigation of potential soil vapor intrusion at specific locations within the building (i.e., Slabs 2 through 6 as identified in Figure 2 of the CCR included in Appendix B). The results and findings concluded that SSDS installation may not be the most practical remedial option for this Site, and alternative options for addressing the ventilation air imbalance were evaluated. It was determined that Site-wide indoor (above-slab) air pressures could be modified more readily than Site-wide sub-slab pressures at the Main Building. As a result, ventilation system modifications to eliminate/reduce the negative indoor air pressure was selected as the preferred remedial measure to address potential soil vapor intrusion at the Main Building.

New equipment was not installed as a part of the vapor mitigation system. Repairs to the two make-up air units were completed by HVAC contractors in February 2015. Once the repaired make-up air units were started up, facility personnel modified existing ventilation equipment exhaust flowrates to offset the impact of the additional make-up air, and to further improve indoor air pressures as feasible while maintaining sufficient airflows for process needs and worker safety.

Following completion of the ventilation system modifications, indoor air pressures were measured relative to sub slab and outdoor air pressures. Air Systems Balancing and Testing Service Inc. completed indoor air pressure measurements as part of the Air Flow Survey conducted in March 2015 and DAY personnel also performed indoor air pressure monitoring (relative to outdoor air) in March 2015. In addition, DAY personnel conducted indoor air pressure measurements relative to sub slab air pressure on April 24, 2015.

Two rounds of confirmatory indoor air testing were conducted to assess the effectiveness of the mitigation activities described herein and to confirm that the monitored locations meet applicable indoor air guidance values for the soil vapor intrusion constituents of concern. The initial confirmatory sampling event was performed on April 24, 2015, and a second confirmatory sampling event was performed on February 25, 2016. Each confirmatory indoor air test event included the collection of indoor air samples from the various building slabs designated as Slabs 1, 2, 3, 4, 5, 6, and 7, and collection of two background outdoor air samples.

The indoor and outdoor air samples were submitted under chain-of-custody documentation to Eurofin Spectrum Analytical Inc. of Warwick, Rhode Island (Spectrum) to complete the analytical laboratory testing. Spectrum is a NYSDOH ELAP certified laboratory (ELAP ID LAI00329). The analytical laboratory was consulted to minimize previously experienced interference(s) caused by non-target compounds, and was requested to meet the minimum reporting limit of 0.25 µg/m^3 for TCE and vinyl chloride, and 3 µg/m^3 for PCE and the remaining TO-15 list VOCs for the indoor/outdoor air samples.

A copy of the CCR is included in Appendix B.

2.2 Work Conducted Under Remedial Investigation

2.2.1 Utility Assessment

Active and former utility infrastructure at, and around, the Site was researched and evaluated to assist the RI in identifying potential preferential contamination pathways.

Publicly available City and utility records were obtained, reviewed and verified with field observations in order to identify utilities on-Site and immediately off-Site, including buried sewer systems (e.g., storm, sanitary or combined), electric lines, natural gas lines, water delivery lines, etc. The utilities identified are shown on Figure 5.

On February 11, 2016, DAY representatives completed a Site survey of subsurface features, including two active interior sumps (Sump 1 and Sump 2), one inactive (i.e., blocked) interior sump (Sump 3), one interior wastewater treatment plant, one interior catch basin (Catch Basin 1), two drains in a boiler room (Floor Drain 1 and Floor Drain 2), one floor drain in the manual plating area (Floor Drain 3), one 'hole' in the Former Oil & Grease Room (Hole 1), one exterior trench drain (Trench Drain 1), and interior pipe chases. The locations of these features were determined using swing-ties to known locations.

On February 25, 2016, March 3, 2016, and March 4, 2016, DAY representatives completed dye testing of interior sumps, the exterior trench drain, the boiler room drains, the interior

catch basin, and the 'hole' in the former oil room using biodegradable dyes. The results of the survey and drain tracing are summarized on the "Notes" included on Figure 5.

On March 29, 2016, a DAY representative opened drains and sumps within the building and the ambient air was screened with a MiniRAE 2000 photoionization detector equipped with a 10.6 eV lamp. Specific locations screened included: Sump 1, Sump 2, Sump 3, Catch Basin 1, representative areas of the interior pipe chase, and floor drains within the office lobby and women's washrooms. PID values greater than background values were not detected.

Following completion of the utility assessment, two shallow test borings (TB-DD and TB-EE) were advanced in potential source areas for the purpose of assessing impact of subsurface utilities. The locations of the two shallow test borings were discussed/confirmed with the NYSDEC prior to advancement (refer to Appendix J for documentation of the discussion with the NYSDEC). Refer to Figure 5 for the locations of these two shallow test borings.

2.2.1.1 Sump Sample Analysis

On June 1, 2016, and with concurrence from the NYSDEC, samples (designated as 093-SUMP 1 and 094-SUMP 2) were collected from Sump 1 and Sump 2, and submitted under Chain-of-Custody control to Spectrum Eurofins Inc. of Agawam, Massachusetts, a New York Environmental Laboratory Approval Program (ELAP) Certification #11522 (Spectrum) for analysis of TCL VOCs plus TICs using USEPA Method 8260. Samples were collected with dedicated bailers. Refer to Appendix J for the NYSDEC request to collect water samples from these sumps for analysis.

2.2.1.2 Geophysical Survey

As part of the 2017 Supplemental RI Work Plan, Ground Penetrating Radar Systems, Inc. (GPRS) completed a ground penetrating radar (GPR) survey in the area of the former Barrel Plating Line on April 3, 2017 in an attempt to locate former pits, subsurface utilities, and other anomalies in this area. In addition, a GPR survey was conducted in accessible areas of the exterior courtyard area located on the north side of the Main Building and in exterior areas north of the plating lines in order to determine if anomalies were present in these areas that could be indicative of USTs.

2.2.2 Soil Characterization

The soil characterization fieldwork described below was completed between February 8, 2016 and April 6, 2016, with an additional sample collected on July 26, 2016 from location SS-7. Also, the 2017 Supplemental RI soil characterization fieldwork was completed on

April 5, 2017. Soil samples were submitted to Spectrum for laboratory analysis, as further described below.

2.2.2.1 Human Exposure Surface Soil Samples

Five samples of surface soil (i.e., from 0 to 2 inches below the vegetative cover) were collected from the vegetative areas surround the Main Building and the building at 245-265 Hollenbeck Street. These human exposure assessment samples were collected using a post-hole digger and shovel which were decontaminated prior to each sample collection using brushes, Alconox, and tap water. The sample locations were marked by measuring with swing-ties. The human exposure assessment samples were intended to allow an evaluation of possible health effects to humans from exposure to surface soil. The samples (designated as SSE-1 through SSE-5) were submitted under Chain-of-Custody control to Spectrum for laboratory analysis of the following:

- TCL VOCs plus TICs using USEPA Method 8260: SSE-1 (0-0.18) through SSE-5 (0-0.18)
- TCL VOCs plus TICs using USEPA Method 8270: SSE-1 (0-0.18) through SSE-5 (0-0.18)
- TAL Metals and cyanide: SSE-1 (0-0.18) through SSE-5 (0-0.18)
- Pesticides using USEPA Method 8081: SSE-1 (0-0.18), SSE-2 (0-0.18), SSE-3 (0-0.18), SSE-5 (0-0.18)
- PCBs using USEPA Method 8082A: SSE-1 (0-0.18), SSE-2 (0-0.18), SSE-3 (0-0.18), SSE-5 (0-0.18)

Refer to Figure 4 for the locations of these human exposure surface soil samples.

2.2.2.2 Historic Fill Material Surface Soil Samples

Fifteen samples of surface soil samples (i.e., from 0 to 1 foot below the vegetative cover or asphalt pavement) were collected from exterior locations [i.e., 002-SS-3 (0-1), 004-SS-2 (0-1), 005-SS-1 (0-1), 007-SS-4 (0-1), 011-SS-10 (0-1), 012-MW-1R (0-1), 013-SS-9 (0-1), 014-TB-P (0-1), 015-SS-8 (0-1), 017-TB-H (0-1), 018-MW-19 (0-1), 019-SS-5 (0-1), 020-SS-6 (0-1), 021-SS-7 (0-1), and 023-TP-A (0-1)]. The surface soil samples were collected using a post-hole digger and round-headed shovel which were decontaminated prior to each sample collection using brushes, Alconox and tap water. The sample locations were marked by measuring with swing-ties. The surface soil samples were intended to allow an evaluation of historic fill material (HFM). Possible HFM was identified in the 0 to 1 foot depth for surface soil samples SS-2, SS-3, SS-4, SS-5, SS-6, SS-7, SS-8, SS-9, and SS-10; hence, these test boring were extended in depth to establish the vertical limit of HFM, and an additional three samples of HFM were collected [i.e., 008-SS-4 (1.2), 016-SS-8 (1.8), and 022-SS-7 (1-

2)]. Refusal of the post-hole digger and round-headed shovel was encountered at SS-2 at an approximate depth of 1.5 ft. bgs. SS-2 was extended in depth using a track-mounted Geoprobe drill rig on 3/29/2016, concurrent with completion of test borings (refer to Section 2.2.2.3). Following receipt of analytical results from the initial samples, additional HFM surface soil sample 104-SS-7 (0-1) was collected on July 26, 2016. The samples were submitted under Chain-of-Custody control to Spectrum for laboratory analysis of the following constituents listed below:

- TPH using USEPA Method 8100: SS-1 (0-1), SS-2 (0-1), SS-3 (0-1), SS-4 (0-1), SS-4 (1.2) SS-5 (0-1), SS-6 (0-1), SS-7 (0-1), SS-7 (1-2), SS-8 (0-1), SS-9 (0-1), SS-10 (0-1), MW-1R (0-1), TB-P (0-1), TB-H (0-1), MW-19 (0-1), TP-A (0-1)
- TCL VOCs and TICs using USEPA Method 8260: SS-3 (0-1), SS-5 (0-1), SS-7 (1-2), MW-1R (0-1), TB-H (0-1), MW-19 (0-1), TP-A (0-1)
- TCL SVOCs and TICs using USEPA Method 8270: SS-3 (0-1), SS-4 (0-1), SS-4 (1.2), SS-5 (0-1), SS-7 (0-1), SS-7 (1-2) SS-8 (0-1), SS-8 (1.8), SS-9 (0-1), TB-H (0-1), MW-1R (0-1), MW-19 (0-1), TP-A (0-1)
- TAL Metals & Cyanide: SS-3 (0-1), SS-4 (0-1), SS-4 (1.2), SS-5 (0-1), SS-7 (0-1), SS-7 (1-2), SS-8 (0-1), SS-8 (1.8), SS-9 (0-1), TB-H (0-1), MW-1R (0-1), MW-19 (0-1), TP-A (0-1)
- PCBs using USEPA Method 8082A: SS-3 (0-1), SS-5 (0-1), SS-7 (0-1), MW-1R (0-1), TB-H (0-1), MW-19 (0-1), 104-SS-7 (0-1)
- Pesticides using USEPA Method 8081: SS-3 (0-1), SS-5 (0-1), SS-7 (0-1), MW-1R (0-1), TB-H (0-1), MW-19 (0-1)

The locations of these surface soil samples are depicted on Figure 4.

2.2.2.3 Subsurface Soil Samples

2.2.2.3.1 Test Borings (Initial RI)

Between March 28, 2016 and April 6, 2016, 39 test borings were advanced in interior and exterior locations of the Site. [Note: insufficient soil was collected from test borings TB-H, TB-I, TB-M, TB-N, TB-O, TB-P, TB-R, and TB-W, hence, additional test borings were advanced within one-foot of the original test boring locations for the purpose of collecting sufficient soil for complete TCL/TAL analysis. The subsequent test borings have been designated TB-H-1, TB-I-1, TB-M-1, TB-N-1, TB-O-1, TB-P-1, TB-R-1, and TB-W-1; however, the locations of TB-H-1, TB-I-1, TB-M-1, TB-N-1, TB-O-1, TB-P-1, and TB-W-1 are not depicted on Figure 4]. The test borings were advanced using a track-mounted Geoprobe 6620 direct-push drill rig operated by TREC Environmental, Inc. (TREC). In interior locations of the building a concrete coring device was used prior to advancement of the test boring. The majority of the test borings were advanced until equipment refusal was

encountered; the maximum depth of the test borings was 15.1 ft. bgs (TB-G). Test boring logs are provided in Appendix E. The locations of the test borings are depicted on Figure 4.

Macrocore soil samples were collected in continuous four foot runs. Samples were classified, logged, screened with a PID, and the headspace above portions of the samples was also screened with a PID. Selected soil samples were also collected for potential analytical analyses to confirm the field observation findings.

A total of 31 soil samples from the test boring locations were selected for analytical analyses by Spectrum. The soil sample selection for analysis criteria are as follows:

- Potential evidence of field contamination (elevated PID readings, staining, odors, presence of NAPL, etc.). Samples were collected from the zone of greatest evidence of field contamination;
- Adjacent to subsurface structures of environmental concern such as utilities or other preferential pathways for contaminant migration; and
- At the bedrock/overburden interface.

Table 1 lists the 31 soil samples that were selected for analytical laboratory testing from the test borings and lists the tested parameters analyzed for each samples. The soil samples include: TB-A (4.5-7.5), TB-AA (10-11), TB-B (4-6), TB-BB (9-11), TB-C (4-6), TB-CC (9-11.4), TB-D (9-12), TB-DD (5-7), TB-E (5-7), TB-EE (1-4), TB-F (4-7), TB-G (6-8), TB-H-1 (9.2-11.2), TB-I-1 (0-4), TB-J (6-7), TB-K (10-11), TB-L (7-9.5), TB-M-1 (8-11.7), TB-N-1 (6-8.5), TB-O-1 (8-11.8), TB-P-1 (8-11.8), TB-Q (10-11), TB-R-1 (8-10), TB-S (6.5-7.5), TB-T (11-12), TB-U (7-9), TB-V (9.5-10.5), TB-W-1 (0-4), TB-X (0.8), TB-Y (0.8), and TB-Z (0.6). The soil samples were submitted under Chain-of-Custody control to Spectrum for testing of TCL/TAL (i.e., TCL VOCs and TICs using USEPA Method 8260, TCL SVOCs and TICs using USEPA Method 8270, TAL Metals & Cyanide, Pesticides using USEPA Method 8081, and PCBs using USEPA Method 8082A) with the exception of soil samples TB-X (0.8), TB-Y (0.8), and TB-Z (0.6) which were solely tested for PCBs using USEPA Method 8082A [Note: soil samples TB-X (0.8), TB-Y (0.8), and TB-Z (0.6) were in the location of a transformer and were completed using a round headed shovel that was decontaminated prior to each sample collection. Also, refer to Appendix J for the NYSDEC concurrence that these samples would only be analyzed for PCBs].

2.2.2.3.2 Test Pit (Initial RI)

On February 9, 2016, Test Pit TP-A was completed by Applus+ RTD (Applus) using a mini-excavator. The test pit was approximately 23 feet long and had a maximum depth of approximately five ft. bgs. The railroad bed was not encountered in this test pit. The location of Test Pit TP-A is depicted on Figure 4. A surface soil sample was collected from Test Pit

TP-A; however, based on observed conditions, a subsurface soil sample was not collected. A test pit log is provided in Appendix E.

2.2.2.3.3 Test Borings (2017 Supplemental RI)

On April 5, 2017, six test borings (designated TB-FF through TB-KK) were advanced in the location of the former Barrel Plating Line. The test borings were advanced using a track-mounted Geoprobe 6620 direct-push drill rig operated by TREC. A concrete coring device was used prior to advancement of the test borings. The test borings were advanced until equipment refusal was encountered, and the maximum depth of the test borings was 12.8 ft. bgs. Test boring logs are provided in Appendix E. The locations of the test borings are depicted on Figure 4.

Macrocore soil samples were collected in continuous four foot runs. Samples were classified, logged, screened with a PID, and the headspace above portions of the samples was also screened with a PID. Selected soil samples were also collected for potential analytical analyses to confirm the field observation findings.

A total of six soil samples from the test boring locations were selected for analytical analyses by Spectrum. The soil sample selection for analysis criteria are as follows:

- Potential evidence of field contamination (elevated PID readings, staining, odors, presence of NAPL, etc.). Samples were collected from the zone of greatest evidence of field contamination;
- Adjacent to subsurface structures of environmental concern such as utilities or other preferential pathways for contaminant migration; and
- At the bedrock/overburden interface.

Table 1 lists the six soil samples that were selected for analytical laboratory testing from the test borings and lists the tested parameters analyzed for each samples. The soil samples include: TB-GG (10-12), TB-II (11-12.7), TB-KK (10-12), TB-JJ (11-11.7), TB-FF (10-12), and TB-HH (11.5-12.5). The soil samples were submitted under Chain-of-Custody control to Spectrum for testing of TCL VOCs and TICs using USEPA Method 8260.

2.2.2.3.4 Anomaly Investigation (2017 Supplemental RI)

On June 19, 2017, investigative work was completed to determine the nature of an anomaly that was identified in the exterior courtyard area located on the north side of the Main Building during the geophysical survey. TREC used a Yanmar ViO35 mini-excavator to excavate test pit TP-B in the area of the anomaly. An abandoned UST was encountered in this area (refer to Section 3.2.2.2.1). The test pit was approximately 18 ft. long with a

maximum depth of approximately 2.5 ft. Soil samples were not collected for analysis. A test pit log is provided in Appendix E. The location of the test pit is depicted on Figure 4.

2.2.3 Groundwater Investigation

A groundwater investigation was completed as part of the RI and the two Supplemental RIs in order to evaluate groundwater quality at the Site, potential off-site impacts migrating onto the Site, suspected preferential migration pathways along buried utilities, potential off-site migration of Site contaminants, and the vertical and lateral extents of known and suspected contamination in groundwater. The groundwater investigation is described below.

2.2.3.1 Overburden Monitoring Well Installation

2.2.3.1.1 Overburden Monitoring Well Installation (Initial RI)

Between March 28, 2016 and April 26, 2016, TREC installed seven overburden monitoring wells (designated as MW-B, MW-D, MW-G, MW-H, MW-M, MW-P, and MW-Q) at the seven test boring locations that have the same letter designation. These wells were installed utilizing a one-inch inside diameter, Schedule 40 polyvinyl chloride (PVC) casing and screen materials. For each overburden monitoring well, a No. 10 slot screen ranging in length between 5 and 10 ft. was installed starting at, or near, the bottom of each boring. The top of the threaded screen section was attached to a solid PVC riser casing with a PVC cap that extended to or above the ground surface. On February 17, 2016, Applus installed one overburden monitoring well (designated as MW-19). This well was installed utilizing a two-inch inside diameter, Schedule 40 PVC casing and screen materials. A No. 10 slot screen 5 ft. in length was installed near the bottom of the boring, and the top of the threaded screen section was attached to a solid PVC riser casing with a PVC cap that extended to near the ground surface.

The annulus around and at least one-foot above the well screens was filled with a washed and graded silica sand pack. A minimum two-foot thick bentonite seal was placed above the sand pack. The monitoring wells were completed with either flush-mounted curb boxes or stick-up protective casing with locking cap that were placed over the wells and cemented in-place.

Monitoring well construction diagrams are included in Appendix F. The locations of these eight overburden monitoring wells are shown on Figure 4.

2.2.3.1.2 Overburden Monitoring Well Installation (2017 Supplemental RI)

On April 5, 2017, TREC installed two overburden monitoring wells (designated as MW-FF and MW-II) at the two test boring locations that have the same letter designation. Well MW-

FF was installed using a two-inch inside diameter, Schedule 40 PVC casing and screen, with a 5 ft. long No. 10 slot screen installed at the bottom of the boring. Well MW-II was installed using a one-inch inside diameter, Schedule 40 PVC casing and screen, with a 10 ft. long No. 10 slot screen installed at the bottom of the boring. At each overburden monitoring well, the top of the threaded screen section was attached to a solid PVC riser casing with a PVC cap that extended to near the ground surface.

The annulus around and at least one-foot above the well screen was filled with a washed and graded silica sand pack. A 0.7-foot to two-foot thick bentonite seal was placed above the sand pack. MW-FF was completed with a flush-mounted curb box that was cemented in – place and MW-II was completed by concreting the riser pipe in place.

Monitoring well construction diagrams are included in Appendix F. The locations of these two overburden monitoring wells are shown on Figure 4.

2.2.3.2 Bedrock Monitoring Well Installation

Between February 4, 2016 and February 19, 2016, six bedrock monitoring wells designated as MW-1R, MW-3R, MW-10R, MW-12R, MW-13R, MW-19R were installed by Applus at exterior locations of the Site. The locations of these six bedrock monitoring wells are shown on Figure 4. The bedrock wells were installed as open borehole wells. At bedrock monitoring wells MW-1R, MW-3R, MW-12R, and MW-19R, the 4-inch steel riser was cut slightly below grade, and a curb box with locking cap was placed over each well and cemented in-place. At the other two bedrock monitoring wells, a stick-up protective casing with locking cap was placed over each well and cemented in-place. Monitoring well construction diagrams are included in Appendix F.

2.2.3.3 Well Development

Between March 4, 2016, and May 10, 2016, bedrock and overburden monitoring wells installed as part of the initial RI were developed in accordance with the protocol outlined in the RI/FS Work Plan. The amount of potable water lost during drilling at bedrock monitoring wells, and the amount of water removed from overburden and bedrock monitoring wells during well development are documented on Table 2. Well development data logs are included in Appendix G. No water was used or lost during drilling at overburden wells. Development water was handled as IDW as documented in Section 2.2.5.

On April 10, 2017, overburden monitoring wells (MW-FF and MW-II) installed as part of the 2017 Supplemental RI were developed in accordance with the protocol outlined in the RI/FS Work plan. The amount of water removed from overburden monitoring wells during well development is documented on Table 2. Well development data logs are included in

Appendix G. No water was used or lost during drilling at these two overburden wells; however, approximately one gallon of water entered test boring TB-FF during concrete coring prior to augering for well installation. Additional water was removed from well MW-FF during well development. This well development water was staged at the Site in one labeled 55-gallon steel drum and was reportedly disposed of through the waste water treatment plant located at the Site.

2.2.3.4 Groundwater Monitoring

A total of two rounds of groundwater sampling were conducted as part of the initial RI and the 2016 Supplemental RI that involved 27 overburden and bedrock monitoring wells (i.e., MW-1, MW-1R, MW-3, MW-3R, MW-5, MW-6, MW-7R, MW-8, MW-9, MW-10, MW-10R, MW-12, MW-12R, MW-13, MW-13R, MW-16, MW-17, MW-18, MW-19, MW-19R, MW-B, MW-D, MW-G, MW-H, MW-M, MW-P, and MW-Q). The two rounds of groundwater sampling were conducted in May-July 2016, and in September-October 2016. Monitoring well locations are shown on Figure 4.

Also, in April, 2017, a groundwater sampling event was conducted as part of the 2017 Supplemental RI that involved seven overburden monitoring wells (i.e., MW-FF, MW-II, MW-Q, MW-5, MW-6, MW-8, and MW-18).

Each groundwater sampling event is summarized below.

May-July 2016 Groundwater Sampling Event (RI)

The initial RI groundwater sampling event was completed between May 23, 2016 and June 1, 2016 (except for the collection of a groundwater sample from MW-9 on July 13, 2016) in accordance with the procedure and scope outlined in the RI/FS Work Plan. Initially, on May 23, 2016, static water levels and measurements for LNAPL and DNAPL were obtained using a Heron H.OIL Oil/Water interface probe from wells MW-1, MW-1R, MW-3, MW-3R, MW-5, MW-7R, MW-8, MW-9, MW-10, MW-10R, MW-12, MW-12R, MW-13, MW-13R, MW-17, MW-18, MW-19, MW-19R, MW-B, MW-D, MW-G, MW-H, MW-M, MW-P, and MW-Q. On May 24, 2016 static water levels and measurements for LNAPL and DNAPL were obtained from well MW-6. On May 31, 2016 static water levels and measurements for LNAPL and DNAPL were obtained from well MW-16. Static water levels and calculated groundwater elevations are provided on Table 3. Samples (designated as 084-MW-1, 083-MW-1R, 075-MW-3, 072-MW-3R, 077-MW-5, 082-MW-6, 062-MW-7R, 063-MW-8, 102-MW-9, 071-MW-10, 070-MW-10R, 069-MW-12, 068-MW-12R, 065-MW-13, 064-MW-13R, 089-MW-16, 095-MW-17, 090-MW-18, 066-MW-19, 067-MW-19R, 092-MW-B, 088-MW-D, 078-MW-G, 074-MW-H, 076-MW-M, 081-MW-P, and 087-MW-Q) were collected using the low-flow purge and sample techniques outlined in the RI/FS Work Plan. During

low-flow purging, water quality measurements were taken using a Horiba U-22, Horiba U-53, YSI DSS Pro, or YSI Quartz Plus water quality meter. Once water quality measurements stabilized at a well location, the water quality meter was disconnected and a groundwater sample was collected. Low-flow purge and sample logs for this initial RI groundwater sampling event are included in Appendix H. The collected groundwater samples were delivered under COC control to Spectrum for analytical laboratory testing. Table 1 provides corresponding sample numbers and additional information on the groundwater samples collected from each well during the initial RI groundwater sampling event. As shown, each groundwater sample collected during the initial RI groundwater sampling event (with the exception of 074-MW-H) was analyzed for the following parameters:

- TCL VOCs and TICs via USEPA Method 8260
- TCL SVOCs and TICs via USEPA Method 8270
- TAL Metals via USEPA Method 6010 and 7470
- Cyanide via USEPA Method 9012
- PCBs via USEPA Method 8082
- Pesticides via USEPA Method 8081

Monitoring well MW-H had low recharge at the time of the initial RI groundwater sampling event. With concurrence from the NYSDEC, a sample of groundwater from monitoring well MW-H was only tested for TCL VOCs and TICs via USEPA Method 8260; and no additional parameters were tested (refer to Section 2.2.6). Refer to Appendix J for documentation of the discussion with NYSDEC regarding MW-H.

LNAPL was detected at monitoring well MW-17 at an approximate thickness of 0.05 ft. With concurrence from the NYSDEC, a sample of the LNAPL was collected and submitted to Spectrum for testing of TPH and VOCs. Note: insufficient sample was available to complete TPH analysis on the non-aqueous portion of the sample, therefore, the TPH analysis was completed on the aqueous portion of the sample. Refer to Appendix J for documentation of the discussion with NYSDEC regarding MW-17, and correspondence with Spectrum regarding the LNAPL sample collected from MW-17.

September-October 2016 Groundwater Sampling Event (2016 Supplemental RI)

The 2016 Supplemental RI groundwater sampling event was completed between September 19, 2016 and October 12, 2016 in general accordance with the procedure and scope outlined in the 2016 Supplement RI Work Plan. Initially on September 19, 2016, static water levels and measurements for LNAPL and DNAPL were obtained using a Heron H.OIL Oil/Water interface probe from wells MW-1, MW-1R, MW-3, MW-3R, MW-5, MW-6, MW-7R, MW-8, MW-9, MW-10, MW-10R, MW-12, MW-12R, MW-13, MW-13R, MW-16, MW-17, MW-18, MW-19, MW-19R, MW-B, MW-D, MW-G, MW-H, MW-M, MW-P, and MW-Q.

Static water levels and calculated groundwater elevations are provided on Table 3. Samples (designated as 105-MW-1, 106-MW-3, 107-MW-5, 108-MW-6, 109-MW-8, 110-MW-9, 111-MW-10, 112-MW-12, 113-MW-16, 114-MW-18, 115-MW-19, 116-MW-B, 117-MW-D, 118-MW-G, 119-MW-H, 120-MW-M, 121-MW-P, 122-MW-1R, 123-MW-3R, 124-MW-7R, 125-MW-10R, 126-MW-12R, 127-MW-13R, and 128-MW-19R) were collected using the passive diffusion bag (PDBs) sample technique as outlined in the 2016 Supplemental RI Work Plan. [Note: The scope of work described in the 2016 Supplemental RI Work Plan was modified to remove MW-13 from the list of groundwater monitoring wells to be sampled because there was only a limited amount of groundwater in the monitoring well. Refer to Appendix J for documentation of approval of this modification by the NYSDEC.] Samples (designated as 130-MW-Q and 132-MW-17) were collected using the low-flow purge and sample techniques outlined in the 2016 Supplemental RI Work Plan. During low-flow purging, water quality measurements were taken using a Horiba U-22 water quality meter. Once water quality measurements stabilized at a well location, the water quality meter was disconnected and a groundwater sample was collected. Low-flow purge and sample logs for the 2016 Supplemental RI groundwater sampling event are included in Appendix H. The collected groundwater samples were delivered under COC control to Spectrum for analytical laboratory testing. Table 1 provides corresponding sample numbers and additional information on the groundwater samples collected from each well during the 2016 Supplemental RI groundwater sampling event. As shown, groundwater samples were analyzed for the parameters listed below:

- TCL VOCs and TICs via USEPA Method 8260: 105-MW-1, 106-MW-3, 107-MW-5, 108-MW-6, 109-MW-8, 110-MW-9, 111-MW-10, 112-MW-12, 113-MW-16, 114-MW-18, 115-MW-19, 116-MW-B, 117-MW-D, 118-MW-G, 119-MW-H, 120-MW-M, 121-MW-P, 122-MW-1R, 123-MW-3R, 124-MW-7R, 125-MW-10R, 126-MW-12R, 127-MW-13R, 128-MW-19R, 130-MW-Q and 132-MW-17
- TCL SVOCs and TICs via USEPA Method 8270: 130-MW-Q and 132-MW-17
- TAL Metals via USEPA Method 6010 and 7470: 132-MW-17
- Cyanide via USEPA Method 9012: 132-MW-17

LNAPL was detected at monitoring well MW-17 at an approximate thickness of 0.01 ft. (or less) during the groundwater elevation survey completed as part of the 2016 Supplemental RI groundwater sampling event. The interface probe was observed to be covered in apparent petroleum product and a petroleum odor was observed. Therefore, the upper two to three inches of the water column in monitoring well MW-17 was removed with a dedicated bailer prior to commencement of low-flow groundwater sampling.

April 2017 Groundwater Sampling Event (2017 Supplemental RI)

The 2017 Supplemental RI groundwater sampling event was completed between April 10, 2017 and April 24, 2017 in general accordance with the procedure and scope outlined in the 2017 Supplemental RI Work Plan. Initially on April 10, 2017, static water levels and measurements for LNAPL and DNAPL were obtained using a Heron H.OIL Oil/Water interface probe from wells MW-FF, MW-II, MW-Q, MW-5, MW-6, MW-8, and MW-18. Static water levels and calculated groundwater elevations are provided on Table 3. Samples (designated as 147-MW-5, 148-MW-6, 149-MW-8, and 150-MW-18) were collected using the passive diffusion bag (PDBs) sample technique as outlined in the 2017 Supplemental RI Work Plan. Samples (designated as 143-MW-FF, 145-MW-II, and 146-MW-Q,) were collected using the low-flow purge and sample techniques outlined in the 2017 Supplemental RI Work Plan. During low-flow purging, water quality measurements were taken using a YSI Pro DSS water quality meter. Once water quality measurements stabilized at a well location, the water quality meter was disconnected and a groundwater sample was collected. Low-flow purge and sample logs for monitoring wells 143-MW-FF, 145-MW-II, and 146-MW-Q are included in Appendix H. The collected groundwater samples were delivered under COC control to Spectrum for analytical laboratory testing. Table 1 provides corresponding sample numbers and additional information on the groundwater samples collected from each monitoring well during the 2017 Supplemental RI groundwater sampling event. As shown, groundwater samples were analyzed for the parameters listed below:

- TCL VOCs and TICs via USEPA Method 8260: 143-MW-FF, 145-MW-II, 146-MW-Q, 147-MW-5, 148-MW-6, 149-MW-8, and 150-MW-18
- Cyanide via USEPA Method 9012: 143-MW-FF, 145-MW-II, and 146-MW-Q

2.2.3.5 Overburden and Bedrock Aquifer Physical Characterization

The hydraulic conductivity of the water-bearing units at the Site were calculated using in-situ slug testing techniques from selected locations in both the overburden and bedrock aquifers. Slug tests were conducted by both inserting and removing the slug. Each slug test was conducted by instantaneously changing the water level in a monitoring well by the introduction ("slug in"), and subsequent removal ("slug out"), of a non-reactive solid and sealed PVC pipe, ("the slug"), and measuring the aquifer's response to the changing water-level over time. Removal of the slug was conducted only after the well had receded to 95% of the original measured static water level. The slug test procedures are described in: Bouwer, H., 1989; "The Bouwer and Rice Slug Test-An Update", Groundwater, vol. 27, no. 3, pp. 304-309; and the original Bouwer, H and R.C. Rice 1976 article in the Water Resources Research Journal.

The slug-in and slug-out test data (groundwater levels over time) were recorded using a Level TROLL 700 data logger, with the exception of monitoring well MW-8, where groundwater levels over time were recorded using a stopwatch and a Heron H.Oil Oil/Water Interface probe. The slug test data were imported to SuperSlug software to calculate hydraulic conductivities at each well. The hydraulic conductivity data was also used to evaluate the local groundwater velocity combined with potentiometric data gathered at the Site.

Slug tests were conducted on June 29, 2016 from the following wells that are shown on Figure 4:

- Overburden wells MW-8 and MW-1
- Bedrock wells MW-7R and MW-1R

SuperSlug output graphs for each slug-in and slug-out test at the four above referenced wells are included in Appendix I. Each graph shows the well parameters and slug-in or slug-out data entered, and presents the calculated hydraulic conductivity for the specific test. The calculated hydraulic conductivities for the four wells are also summarized on Table 4

2.2.4 QA/QC and Data Usability Summary Reports (DUSRs)

Environmental Data Validation, Inc. (EDV) performed six Data Usability Summary Reports (DUSRs) on analytical laboratory data that was generated during the RI. Vali-Data of WNY, LLC (Vali-Data) also performed 14 DUSRs on analytical laboratory data that was generated during the RI. A copy of each DUSR is included in Appendix L. The analytical laboratory summary tables included in this report, and the associated analytical laboratory EQUIS files that have been submitted to the NYSDEC, reflect the findings of these DUSRs. A summary of the findings of these DUSRs is provided in Section 3.2.1.

The results of internal laboratory QA/QC samples and field-related QA/QC samples were used to evaluate the usability of the analytical laboratory data for field samples, and these evaluations were incorporated in the corresponding DUSRs.

2.2.5 Investigation Derived Wastes (IDWs)

IDWs were generated during the initial RI work and 2016 Supplemental RI work. These wastes were handled in accordance with provisions set forth the RI/FS Work Plan. IDWs are further discussed below.

Liquid wastes generated during the bedrock well development were placed in a 4,900 gallon poly frac tank stored on the southern exterior of the Site, adjoining Balfour Drive. It was estimated that approximately 1,955 gallons of liquid wastes were pumped into the 4,900-

gallon poly frac tank. On March 13, 2016, sample 026-IDW-03-13-2016 was collected from the frac tank and submitted under COC control to Spectrum for analysis of Purgeable Organics via USEPA Method 624, SVOCs via USEPA Method 625, and RCRA Metals, copper, nickel, and zinc via USEPA Method 200.7. Based on the results, the liquid wastes in the 4,900-gallon poly frac tank were discharged to the MCPW POTW combined sewer located in the Balfour Drive right-of-way under Sewer Use Permit #14508 on April 14 and 15, 2016. A copy of the application package to the Monroe County Department of Environmental Services (MCDES) that includes the analytical laboratory report, and a copy of the Sewer Use Permit, are included in Appendix M.

Liquid wastes generated during the overburden well development and the groundwater sampling events associated with the initial RI and the 2016 Supplemental RI were placed in 55-gallon drums that were staged on the north portion of the Site. Additionally, groundwater that separated from bedrock and overburden drill cuttings was decanted and placed in 55-gallon drums that were staged on the north portion of the Site. It was estimated that approximately 650 gallons of water was stored on the north portion of the Site. On June 29, 2016, sample 099-IDW-6-29-16 was collected from drums that are representative of this investigation-derived waste water. The sample was analyzed for Purgeable Organics via USEPA Method 624 and RCRA Metals, copper, nickel, and zinc via USEPA Method 200.7. Based on the results, the liquid wastes in the drums were discharged to the MCPW POTW combined sewer located in the Balfour Drive right-of-way under Sewer Use Permit #14690 on July 29, 2016. A copy of the application package to the MCDES that includes the analytical laboratory report, and a copy of the Sewer Use Permit, are included in Appendix M.

Solid wastes generated during the overburden and bedrock investigation were placed in 55-gallon drums that were staged on the north portion of the Site. On June 29, 2016, composite sample 098-IDW-6-29-16 was collected from four soil drums stored on the north of the Site. The drums selected for the composite sample were chosen as potentially containing higher concentrations of contaminants (i.e., from possible 'hot spots'). Sample 098-IDW-6-29-16 was submitted under COC control to Spectrum for testing of PCBs via USEPA Method 8082 and Toxicity Characteristic Leachate Procedure (TCLP). On August 1, 2016, eighteen 55-gallon drums of solid IDW, designated as Non-RCRA, Non-DOT Regulated Solids, were removed from the Site by New York Environmental Technologies, Inc. (NYETECH) (USEPA ID Number NYD986933229) for disposal at Cycle Chem, Inc., 550 Industrial Dr., Lewisberry, Pennsylvania (USEPA ID Number PAD067098822). A copy of the waste manifest and the analytical laboratory report is included in Appendix M.

IDWs (i.e., soil cuttings, well development water, and purge water) generated during the 2017 Supplemental RI work were placed in two 55-gallon steel drums (i.e., one 55-gallon steel drum containing soil cuttings; and, one 55-gallon steel drum containing well

development water and purge water) on pallets on the north exterior of the Main Building. On August 15, 2018, one 55-gallon drum of solid IDW, designated as Non-RCRA, Non-DOT Regulated Solids, were removed from the Site by Sun Environmental Corp. (Sun) (USEPA ID Number NYR000176958) for disposal at Cycle Chem, Inc., 550 Industrial Dr., Lewisberry, Pennsylvania (USEPA ID Number PAD067098822). A copy of the waste manifest is included in Appendix M. The drum containing the well development and purge water was reportedly disposed of through the waste water treatment plant located at the Site.

2.2.6 Deviations from RI Work Plans

The following deviations from the initial RI Work Plan and the 2016 Supplemental RI Work Plan occurred during the completion of the RI:

- Test boring TB-I was originally located north of the former oil room. This test boring was moved to east of the former oil room due to the presence of underground utilities (i.e., a gas and electric corridor)
- Test boring TB-Q/monitoring well MW-Q was moved approximately 25 ft. south-southeast of the original location due to access limitations associated with a plating line
- Test boring TB-BB was moved approximately four ft. northwest of the original location due to the presence of facility equipment and overhead lines. [Note: a request to move TB-BB was requested in an email to the NYSDEC dated April 1, 2016; however, an official response was not received from the NYSDEC.]
- Test boring TB-H/monitoring well MW-H was only sampled for VOCs due to limited groundwater recovery in this location.
- Test boring TB-G/monitoring well MW-G was moved approximately four ft. east to get out from under a wall.
- Test boring TB-E was moved approximately six ft. west and three ft. north to get out from under a computer station and stairwell.
- Test boring TB-J was moved approximately four ft. south to get out from under a press machine.
- Test boring TB-L was moved approximately two ft. south to get out from under equipment.
- Test borings TB-X, TB-Y, and TB-Z were advanced using hand operated equipment (i.e., a round headed shovel) to a maximum depth of one ft. bgs, and only sampled for PCBs due to the presence of a transformer.
- Test boring TB-W was moved approximately two feet further away (i.e., north) from the transformer pad but closer to the former rail line.
- Bedrock monitoring well MW-10R was moved approximately 25 ft. to the west due to access issues related to the phytoremediation trees.

- LNAPL was detected at monitoring well MW-17 at an approximate thickness of 0.05 ft. during the initial RI groundwater sampling event. A sample of the LNAPL was collected and submitted to Spectrum for testing of TPH and VOCs. Insufficient sample was available to complete TPH analysis on the non-aqueous portion of the sample, therefore, the TPH analysis was completed on the aqueous portion of the sample.
- An additional HFM surface soil sample was collected from location SS-7 [104-SS-7(0-1)] for the purpose of vertically delineating the HFM at this location following receipt of analytical results for HFM surface soil sample 022-SS-7(1-2).
- The Supplemental RI Work Plan for the 2016 Supplemental RI groundwater sampling event was submitted to the NYSDEC on September 6, 2016. Email approval was received from the NYSDEC on September 14, 2016, and formal approval was received on October 6, 2016
- A groundwater sample was not collected from monitoring well MW-13 during the September-October 2016 sampling event due to insufficient water volume.

Additionally, Sump 1 and Sump 2 were sampled only for VOCs; test boring TB-EE was advanced west of Sump 3 (i.e., abandoned sump) to a depth of approximately four ft. bgs. (i.e., deeper than the bottom of the abandoned sump) using a hand-operated Geoprobe machine; and, test boring TB-DD was advanced in the Former Oil & Grease Room, south of a blocked hole identified during the subsurface utility evaluation.

Documentation of NYSDEC approval of deviations from the RI Work Plan is provided in Appendix J.

2.2.6.1 Deviations from 2017 Supplemental RI Work Plan

The following deviations from the 2017 Supplemental RI Work Plan occurred during completion of the work:

- Test boring TB-FF/monitoring well MW-FF was moved approximately six feet west to avoid overhead exhaust equipment.
- Test boring TB-GG was moved approximately three feet southwest to avoid possible underground piping.
- Various attempts were made to advance test boring TB-HH (identified as TB-HH-1 through TB-HH-3 on Figure 4) because refusal on concrete slabs was encountered. Test boring TB-HH was advanced approximately 13 ft. north of the original proposed location.
- Monitoring well MW-II was completed as a one-inch inner diameter monitoring well, due to the presence of two concrete slabs, which prevented augering of a two-inch inner diameter monitoring well.

Deviations associated with the 2017 Supplemental RI Work Plan occurred in the field with the approval of the NYSDEC representatives that were present.

3.0 NATURE AND EXTENT OF IMPACT

3.1 Work Conducted Under the Consent Order Prior to the Remedial Investigation

3.1.1 Perimeter Off-Site Soil Vapor and Groundwater Evaluation

Provided below is a summary of the findings of the Perimeter Off-Site Soil Vapor and Groundwater Evaluation. A copy of the "*Right-of-Way and Site Perimeter Soil Vapor and Groundwater Summary Report*" dated June 2014 is provided in Appendix B.

3.1.1.1 Nature and Extent of Impacts in Perimeter Off-Site Groundwater

As shown on Table 1 provided in Appendix A, VOCs were detected in the five perimeter groundwater samples tested. Analytical results were compared to NYSDEC Division of Water, Technical and Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998, addended April 2000 and June 2004, Standards or Guidance Values (TOGS). The results of the analytical testing are discussed further below.

PCE

The concentration of PCE was below the method detection limit in the five perimeter off-Site groundwater samples tested.

TCE

TCE was detected in one of the five perimeter off-Site groundwater samples tested. The concentration of TCE in perimeter off-Site groundwater sample ROW-9 (88 ppb) exceeded the TOGS standard of 5 ppb. The concentration of TCE in the other perimeter off-Site groundwater samples was below the method detection limit.

Cis-1,2-DCE

Cis-1,2-DCE was detected in one of the five perimeter off-Site groundwater samples tested. The concentration of cis-1,2-DCE in perimeter off-Site groundwater sample ROW-9 (39 ppb) exceeded the TOGS standard of 5 ppb. The concentration of cis-1,2-DCE in the other perimeter off-Site groundwater samples was below the method detection limit.

Trans-1,2-DCE

The concentration of trans-1,2-DCE was below the method detection limit in the five perimeter off-Site groundwater samples tested.

Vinyl Chloride

The estimated concentration of vinyl chloride detected in perimeter groundwater sample ROW-9 (1.5 ppb) was below the TOGS standard of 2 ppb. The concentration of vinyl chloride in the other perimeter off-Site groundwater samples was below the method detection limit.

Benzene

The estimated concentration of benzene (1.1 ppb) in perimeter off-Site groundwater sample ROW-1 exceeded the TOGS standard of 1 ppb. The concentration of benzene in the other perimeter off-Site groundwater samples was below the method detection limit.

Chloroform

Chloroform was detected in two of the five perimeter off-Site groundwater samples tested. The concentration of chloroform in perimeter off-Site groundwater samples ROW-4 (27 ppb) and ROW-8 (7.1 ppb) exceeded the TOGS standard of 7 ppb. The concentration of chloroform in a duplicate groundwater sample collected from ROW-4 (27 ppb) also exceeded the TOGS standard of 7 ppb. The concentration of chloroform in the other perimeter off-Site groundwater samples was below the method detection limit. Chloroform has not been detected in Site soil samples and documented use of chloroform at the Site has not been obtained/recorded. As a result, it is unlikely that the presence of chloroform is related to Site conditions.

3.1.1.2 Nature and Extent of Impacts in Off-Site Soil Vapor

New York State does not have standards, criteria or guidance values for VOCs in soil vapor; therefore, the soil vapor concentrations were compared to the Air guideline values derived by the NSYDOH (i.e., Table 3.1 of the NYSDOH guidance document, with updates dated August 2015 and September 2013) and the Indoor Air Upper Fence value referenced in Table C1 of the NYSDOH guidance document. As shown on Table 3 of the "*Right-of-Way and Site Perimeter Soil Vapor and Groundwater Summary Report"* provided in Appendix B, various VOCs exceeded the Indoor Air Upper Fence values.

The soil vapor samples had concentrations of various non-chlorinated VOCs (i.e., ROW-1: 1,2,4-trimethylbenzene, methyl isobutyl ketone, cyclohexane, n-heptane, hexane; ROW-2: chloroform, cyclohexane, hexane; Duplicate ROW-2: 1,2,4-trimethylbenzene, 2-butanone, chloroform, cyclohexane, n-heptane, hexane; ROW-3: chloroform, ROW-4: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, chloroform, cyclohexane, ethylbenzene, hexane, isopropylbenzene, m/p-xylenes, o-xylene; ROW-5: 1,2,4-trimethylbenzene, chloroform, m/p-xylene, acetone; ROW-7: 1,2,4-trimethylbenzene, chloroform; ROW-9:chloroform,) that exceeded the Indoor Air Upper Fence values; however, there are not air guideline values or soil vapor values for these VOCs. The concentrations of CVOCs detected in the soil vapor samples are discussed further below:

Chlorinated VOCs

PCE

PCE was detected in all soil vapor samples but was not detected in the background ambient air sample. The maximum concentration of PCE was detected in soil vapor sample ROW-3 (i.e., 4.27 µg/m^3). As shown on Figure 2 of the "*Right-of-Way and Site Perimeter Soil Vapor and Groundwater Summary Report"* (provided in Appendix B), ROW-3 was located in Hollenbeck Street, east of the Site. The second-highest concentration of PCE was detected in soil vapor sample ROW-2 (i.e., 3.59 µg/m^3) and the third-highest concentration of PCE was detected in soil vapor sample ROW-6 (i.e., 3.05 µg/m^3). ROW-2 was located on the southeast portion of the Site and ROW-6 was located southeast of the Site, in Hollenbeck Street. The NYSDEC does not have standards or guidance values for PCE in soil vapor; however, the detected concentrations did not exceed the indoor air guideline value of 30 µg/m^3.

TCE

TCE was detected in four soil vapor samples (Duplicate ROW-2, ROW-3, ROW-5, and ROW-9). The maximum concentration of TCE was detected in soil vapor sample ROW-9 (i.e., 13.65 µg/m^3). ROW-9 was located on the northwest portion of the Site. The second-highest concentration of TCE was detected in soil vapor sample ROW-3 (i.e., 4.51 µg/m^3). The NYSDEC does not have standards or guidance values for TCE in soil vapor; however, the detected concentrations exceeded the indoor air guideline value of 2 µg/m^3.

1,1,1-TCA

1,1,1-TCA was detected in five soil vapor samples (Duplicate ROW-2, ROW-3, ROW-6, ROW-8, and ROW-9). The maximum concentration of 1,1,1-TCA was detected in soil vapor sample ROW-9 (i.e., 10.31 µg/m^3). The NYSDEC does not have standards or guidance values for 1,1,1-TCA in soil vapor or indoor air guideline values for 1,1,1-TCA in indoor air.

cis-1,2-DCE

Cis-1,2-DCE was detected in one soil vapor sample (ROW-3) at a concentration of 3.21 µg/m^3. The NYSDEC does not have standards or guidance values for cis-1,2-DCE in soil vapor or indoor air guideline values for cis-1,2-DCE in indoor air.

Vinyl Chloride

Vinyl chloride was detected in one soil vapor sample (ROW-3) at a concentration of 0.74 µg/m^3. The NYSDEC does not have standards or guidance values for vinyl chloride in soil vapor or indoorair guideline values for vinyl chloride in indoor air.

3.1.2 Soil Vapor Intrusion Evaluation

Provided below is a summary of the findings of the Soil Vapor Intrusion Evaluation of On-Site Structures. A copy of the "*Soil Vapor Intrusion Evaluation of On-Site Structures Summary Report*" dated July 2014 is provided in Appendix B.

3.1.2.1 Product Inventory

Multiple products containing volatile compounds were identified as being used or stored at the Main Building. These included the following:

- Slab 1: Various cleaning products.

- Slab 2: Bulk chemical storage area for the plating processes, boiler room, and water treatment process. [Note: Most of these chemicals were not observed to contain volatile compounds.] The waste storage area is located on Slab 2. The chemical laboraty, quality control areas, and engineering laboratory are also located on Slab 2.

- Slab 3: A bulk storage area for flammable products (including solvents and paints) was located in the tool room at the southeast corner of Slab 3. Lubricating sprays and spray paint products are located at each of the work areas in the tool room. Bulk storage of grease, lubricating sprays, and oils was observed in the maintenance area located in the north central portion of Slab 3.

- Slab 4: A small bottle of Meta-Clean Coil was observed in the water treatment pit area.

- Slab 5: Vanishing Oil/Stoddard Solvent (an unspecified mix of hydrocarbons) and drawing compound was observed in 55-gallon drums, equipped with dispensers.

- Slab 6: Cleaning products in 55-gallon drums (e.g., RMC Alpha 3 Concentrated Cleaner and Choice Aluminum Safe Cleaner Biodegradable) were observed in the finishing area on the south side of Slab 6. Products used for water treatment were observed outside of the water treatment pit areas.

- Slab 7: Products used for welding and a single partially used drum of oil.

- Slab 8: No products observed.

3.1.2.2 Drafts

Drafts were observed around each of the exterior doors of the Main Building. Air within the building generally appeared to flow towards Slab 2, potentially due to negative air pressure at Slab 2 resulting from the plating line exhaust fans.

A total of 14 heating and make-up air units were observed to be operating at the Main Building; however, areas of the Main Building were not serviced equally by these units. Slab 2 had a heating unit servicing only the engineering offices; the remainder of Slab 2 was not serviced by a heating unit. There are no heating units servicing the Slab 5 area. Little or no draft was observed when the interior door between Slab 1 and Slab 2 was closed. Little or no draft was observed when the two sets of interior doors between the cafeteria and the rest of Slab 3 were closed; however, there was a draft observed at the outlets along the exterior southern wall of the cafeteria. No heating units were observed in the 245-265 Hollenbeck Street building.

3.1.2.3 Soil Vapor Sampling

On March 26, 2014 paired sub-slab vapor and indoor air sample were collected from nine locations in the Main Building, one location in the 245-265 Hollenbeck Street building, and two background outdoor air samples were collected from upwind of the buildings (i.e., west of the buildings).

3.1.2.4 Analytical Results

The analytical results from the March 26, 2014 sampling event were compared to NYSDOH derived air guidance values in Table 3.1 of the NYSDOH guidance document. Compounds detected at concentrations greater than the analytical laboratory reporting limit were compared to either the 90th percentile of Table C2 (either indoor air or outdoor air, depending on the location of the sample). As shown on Table 1 of the "*Soil Vapor Intrusion Evaluation of On-Site Structures Summary Report"* provided in Appendix B, there were a total of 13

exceedances of the 90th percentile value for Table C2: Indoor Air and three exceedances of the 90th percentile value for Table C2: Outdoor Air. The majority of these exceedances were isopropyl alcohol (i.e., nine indoor air samples and one background sample). Isopropyl alcohol is a compound that is heavily used at the facility and was not detected in significant concentrations in any of the sub-slab vapor samples. Site/local facility operations were the obvious primary source of the detected indoor air concentrations of isopropyl alcohol.

Four other exceedances of the 90th percentile value of Table C2: Indoor air were noted in the analyses of sub-slab vapor and indoor air samples. A review of these other exceedances, and discussion of soil vapor intrusion as a possible primary contributing source of these compounds, is provided below.

Slab 2 (IA-9)

- 1,2-Dichlorofluoroethane was detected at a concentration of 9.44 µg/m^3, which exceeds the 90th percentile of Table C2: Indoor air. 1,2-Dichlorofluoroethane was not detected in the corresponding sub-slab vapor sample. As such, the indoor air detection in likely not attributable to soil vapor intrusion, and is considered more likely to be associated with a facility refrigeration and/or air conditioning unit.

Slab 3 (IA-5)

- Ethyl acetate was detected at a concentration of 9.08 µg/m^3, which exceeds the 90th percentile of Table C2: Indoor air. Ethyl acetate was not detected in the corresponding sub-slab vapor sample. Ethyl acetate was detected in one of the background air samples and was also observed in several of the inventoried products. As such, this indoor air result is not considered attributable to soil vapor intrusion, and is considered more likely to be associated with the chemicals being used within the facility and/or outdoor air influence.

- Hexane was detected at a concentration of 20.8 µg/m^3, which exceeds the 90th percentile of Table C2: Indoor air. Hexane was also detected in the corresponding sub-slab vapor sample at a concentration of only 247 µg/m^3. Hexane was also detected in one of the background air samples at a concentration of 61.0 µg/m^3. Sub-slab vapor concentrations typically must be several orders of magnitude higher than the indoor air concentrations to be considered a significant source of soil vapor intrusion. Also, hexane was observed in inventoried products. Given the facility usage, the ambient background air results, and the fact that the sub-slab vapor hexane concentration is less than one order of magnitude higher than the corresponding indoor air result (and hexane was not detected in significant concentrations at any of

the other sub-slab sample points), this indoor air result is not considered attributable to soil vapor intrusion.

Slab 5 (IA-6)

- Chloroform was detected at a concentration of 9.64 µg/m^3, which exceeds the 90th percentile of Table C2: Indoor air. The corresponding sub-slab vapor sample was observed to contain only 68.1 µg/m^3. Given the fact that the sub-slab vapor concentration is less than one order of magnitude higher than the indoor air result, this indoor air result in not considered attributable to soil vapor intrusion.

- One exceedance of the NYSDOH Indoor air guideline was noted in the analyses of sub-slab vapor and indoor air samples. TCE was detected at a concentration of 8.17 µg/m^3 in indoor air sample IA-6 (i.e., Slab 5), which exceeds the corresponding NYSDOH Indoor Air Guidance Value. This compound was also detected in the Slab 5 sub-slab vapor sample (SS-6) at a concentration of 19,200 µg/m^3. As no operational use of TCE was identified in the chemical inventory survey, this TCE exceedance is considered potentially attributable to soil vapor intrusion.

The minimum reporting limits were not met for indoor air samples IA-3 through IA-9, due to interference of non-target compounds; however, based upon the relative sub-slab concentrations of VOCs reported at these locations, there is little reason to suspect that other exceedances of the NYSDOH Indoor Air Guidance Values may be occurring at these locations. For example, the TCE exceedance identified at Slab 5 (IA-6), which was deemed potential indication of soil vapor intrusion due to the concentration of TCE detected in the corresponding sub-slab vapor sample (SS-6). Because TCE concentrations detected in the other sub-slab locations were significantly lower than SS-6 (by one or more orders of magnitude), it is considered unlikely and improbable that TCE exceedances exist at other indoor locations reported as non-detectable for TCE, even if the reporting limit is above the NYSDOH Indoor Air Guidance Values at some of these locations.

Based upon the findings of the SVI Evaluation of on-Site structures, there is only one instance where indoor air quality at this Site was determined to have been potentially adversely impacted as a result of soil vapor intrusion. Elevated concentrations of TCE at Slab 5 were considered potentially attributable to intrusion of sub-slab soil vapors. It was recommended that this location be evaluated further in conjunction with, and/or following, related current and future Site operational and remedial activities to determine whether soil vapor intrusion in this area will be a potential ongoing area of concern.

3.1.3 Interim Remedial Measure

As discussed in the Construction Completion Report (CCR) (Refer to Appendix B) an analysis of existing equipment and Site ventilation studies indicated that the Site was exhausting an estimated 48,000 SCFM, but only had a make-up air return capacity of approximately 18,000 SCFM. This is a net imbalance of 30,000 SCFM, which would explain the negative indoor air pressures observed at the facility.

In evaluating potential ways to address this ventilation imbalance, OBI LLC identified two existing make-up air units (one estimated at 18,000 SCFM and one estimated at 11,000 SCFM) at the Site that had been non-functional for many years. Restoration, repair and/or refurbishment of these two make-up air units (29,000 SCFM total) could effectively offset the bulk of the estimated 30,000 SCFM air imbalance.

As it was determined that Site-wide indoor (above-slab) air pressures could be modified more readily than Site-wide sub-slab pressures at this facility, ventilation system modifications to eliminate/reduce the negative indoor air pressure was selected as the preferred remedial measure to address potential soil vapor intrusion at this facility.

New equipment was not installed as a part of the vapor mitigation system. Repairs to the two make-up air units were completed by HVAC contractors in February 2015. Once the repaired make-up air units were started up, facility personnel modified existing ventilation equipment exhaust flowrates to offset the impact of the additional make-up air, and to further improve indoor air pressures as feasible while maintaining sufficient airflows for process needs and worker safety.

Air Systems Balancing and Testing Service Inc. conducted an air flow survey in March of 2015, and measured the air flow rates for major facility make-up and exhaust ventilation equipment. Following completion of the ventilation system modifications, indoor air pressures were measured relative to sub slab and outdoor air pressures.

Results of the first confirmatory indoor air sampling event (April 24, 2015) indicated that concentrations of TCE in the indoor air at Slab 5 were reduced from 8.17 ug/m^3 to non-detectable levels; however, the reported detection limit (5.37 ug/m^3) remained above the TCE guidance value in effect at the time (5 ug/m^3). This was the only location at which the detection limit exceeded the 5 ug/m^3 guidance value. Additionally, a TCE exceedance of 10.69 ug/m^3 was reported at Slab 3, which was reviewed and believed to have been potentially attributable to the maintenance department's receipt of repair parts which could have contained TCE residues. For these reasons, a second confirmatory indoor air sampling event was scheduled for the following heating season (2015-2016).

Prior to completion of the second confirmatory indoor air sampling event on February 25, 2016, NYSDOH reduced the guidance value for TCE down to 2 ug/m^3, which was now applicable to the Site. Results of the second confirmatory indoor air sampling event indicated that each of the samples were below the new 2 ug/m^3 TCE guidance value, as well as meeting the applicable guidance values for the other halogenated VOC constituents of concern.

3.2 Work Conducted Under the Remedial Investigation

3.2.1 Data Usability Summary Report (DUSR) Results

DUSRs were completed on the RI analytical laboratory data and are included in Appendix L. Data qualified with the "UJ" and "J" qualifiers are to be used "cautiously" as they are estimated data with some quality control issues. Data qualified with the "R" qualifier are not usable due to severe quality control issues. Data qualified with the "U" qualifier are usable as there are no quality control issues. The findings of the RI DUSRs are summarized below.

Soil

The soil data was deemed usable with the qualifications discussed below.

Sodium was qualified as undetected ("U") in surface soil samples (i.e., both health exposure samples and historic fill material samples) due to field blank deficiency. Some VOCs and SVOCs in select surface soil samples and subsurface soil samples were qualified as non-detect at estimated detection limits ("UJ") due to calibration quality control deficiency.

Some TPH in select samples were qualified as estimated ("J") due to surrogate deficiency.

Some metals in surface soil samples or subsurface soil samples were qualified as estimated ("J", "J-", or "J+") due to matrix spike deficiency or serial dilution deficiency.

Some VOCs in select soil samples were qualified estimated ("J") or qualified as non-detect at estimated detection limits ("UJ") due to calibration quality control deficiency. Also, the % recovery of 1,2-dichloroethane-d4 was outside ASP QC limits, high in 1706212-BLK1 and 135-TB-GG (10-12). Associated target analytes detected in these samples were qualified as estimated high [i.e., vinyl chloride in 135-TB-GG(10-12)]. The RRF of ethanol was outside outer ASP QC limits in the initial calibrations and in the continuing calibrations. Ethanol was qualified as estimated in associated samples. The RPD of the target analytes except 1,1,2-trichlorotrifluoroethane, dichlorodifluoromethane, cis-1,2-dichloroethene, and vinyl chloride was outside QC limits between 135-TB-GG(10-12) and 135-TB-GG(10-12)MSD. The non-conforming target analytes were qualified as estimated in 135-TB-GG(10-12).

PCBs were qualified as non-detect at estimated detection limits ("UJ") for subsurface soil sample 030-TB-G (6-8) due to surrogate deficiency.

Silver in field blank 061-FB-04-06-2016 was qualified as rejected ("R") due to laboratory control sample (LCS) deficiency.

No other deficiencies were noted for the soil data.

Groundwater

Lab Report #21797

The VOC data was acceptable for use; however, trans-1,4-dichloro-2-butene was qualified as estimated in 062-MW-7R due to MS/MSD deficiency. 1,4-dioxane and ethanol were qualified as estimated in the blanks, spikes and samples due to initial calibration deficiency and continuing calibration deficiency.

The SVOC data was acceptable for use; however, some SVOC data in some samples was qualified as estimated due to surrogate spike recovery deficiencies, MS/MSD deficiencies, or laboratory control sample deficiencies.

The PCB and pesticide data was acceptable for use without qualification.

The metal data was acceptable for use; however, some samples were qualified as undetected ("U") or as estimated high ("J+") based on the detection of potassium, antimony and mercury in blank samples, and a percent recovery of iron and aluminum outside QC limits for MS/MSD sample 062-MW-7R MS/MSD.

Cyanide was acceptable for use without qualification.

Lab Report #21907

The VOC data was acceptable for use; however, some VOCs were qualified as either undetected ("U") if detected above the method detection limit and below the reporting limit, or as estimated high ("J+") if detected above the reporting limit based on detections in various method blank samples. Methyl acetate was qualified as estimated ("J") based on a laboratory control samples outside QC limits. 1,4-Dioxane and ethanol were qualified as estimated in blanks, spikes and samples based on initial calibration and continuing calibration deficiency.

The SVOC data was acceptable for use; however some SVOCs were qualified as estimated based on laboratory control sample and MS/MSD deficiency.

PCB and pesticide data was acceptable for use without qualifications.

The metal data was acceptable for use; however, some samples were qualified as undetected ("U") or as estimated high ("J+") based on the detection of magnesium, calcium and mercury in blank samples, and manganese qualified as estimated based on a percent recovery of manganese outside QC limits.

Cyanide was acceptable for use without qualification.

Lab Report #21908

The VOC data was acceptable for use; however, some VOCs were qualified as either undetected ("U") if detected above the method detection limit and below the reporting limit, or as estimated high ("J+") if detected above the reporting limit based on detections in various method blank samples. Methyl acetate was qualified as estimated ("J") based on a laboratory control samples outside QC limits. Dichlorodifluoromethane and 1,1-dichloroproane were qualified as estimated in 072-MW-3R based on MS/MSD deficiency. 1,4-dioxane and ethanol were qualified as estimated ("J") based on initial calibration and continuing calibration deficiency.

The SVOC data was acceptable for use; however some SVOCs were qualified as estimated based on laboratory control sample and continuing calibration deficiency.

PCB and pesticide data was acceptable for use without qualifications.

The metal data was acceptable; however, some samples were qualified as undetected ("U") or as estimated high ("J+") based on the detection of magnesium, manganese, antimony, zinc, calcium and mercury in blank samples and qualified as estimated based on a percent recovery of manganese outside QC limits.

Cyanide was acceptable for use without qualification.

Lab Report #22010

The VOC data was acceptable for use; however, some VOCs were qualified as estimated based on laboratory control sample deficiency or MS/MSD deficiency. 1,4-dioxane and ethanol were qualified as estimated ("J") based on initial calibration and continuing calibration deficiency. The concentration of carbon disulfide for sample 088-MW-D should

be 0.313 µg/l, and the concentration of 1,1-dichloroethane for sample 087-MW-Q should be 0.304 µg/l.

The SVOC data was acceptable; however, some SVOCs were qualified as estimated due to continuing calibration deficiencies.

PCB and Pesticide data was acceptable for use without qualifications.

The metal data was acceptable for use; however, some samples were qualified as undetected ("U") if detected above the method detection limit but below the reporting limit or qualified as estimated high ("J+") if detected above the reporting limit due to detections of antimony, manganese, zinc, arsenic, barium, beryllium, cadmium, cobalt, and vanadium in a laboratory QA/QC sample. Cobalt in sample 086-DUP6 was qualified as estimated.

Cyanide was acceptable for use without qualification.

Lab Report #22167

The VOC data was acceptable for use; however, acetone and carbon disulfide were qualified as undetected ("U") if detected above the method detection limit but below the reporting limit or qualified as estimated high ("J+") if detected above the reporting limit due to detections in the method blank sample. 1,4-Dioxane and ethanol were qualified as estimated in blanks, spikes, and samples due to initial calibration and continuing calibration deficiencies.

The SVOC data was acceptable for use; however, 2,4-dinitrophenol was qualified as estimated due to laboratory control sample deficiency and benzidine was qualified as estimated due to continuing calibration deficiency.

PCB and pesticide data was acceptable for use without qualifications.

The metal data was acceptable for use; however, some samples were qualified undetected ("U") if detected above the method detection limit but below the reporting limit or qualified as estimated high ("J+") if detected above the reporting limit due to detections of antimony, beryllium, cadmium, cobalt, manganese, aluminum, chromium, cobalt, copper, vanadium, arsenic, and calcium in various blank samples. Chromium, copper, cobalt, and zinc were qualified as estimated in sample 092-MW-B due to duplicate deficiency. The concentration of iron for sample 096-FB-06-01-16 should be 0.00450 mg/l.

Cyanide was acceptable for use without qualification.

Lab Report #23772

The VOC data was acceptable for use; however, the relative response factor (RRF) of 1,4-dioxane was outside outer ASP QC limits in the initial calibration and continuing calibration, and should be qualified as estimated in the associated blanks, spikes, and samples. Tert-amyl-methyl ether should also be qualified as estimated in the blanks, spikes, and samples.

The SVOC data was acceptable for use; however, the analyte percent drift (%D) of benzidine was outside ASP outer QC limits, and benzidine was qualified as estimated in the associated samples, blanks, and spikes.

PCB and pesticide data was acceptable for use without qualifications.

The metal data was acceptable for use; however, some samples were qualified undetected ("U") if detected above the method detection limit but below the reporting limit or qualified as estimated high ("J+") if detected above the reporting limit due to detections of antimony, iron, mercury, potassium, and sodium in various blank samples.

Cyanide was acceptable for use; however, was qualified as estimated since the percent recovery of cyanide was outside QC limits.

Lab Report #24150

The VOC data was acceptable for use; however, the RRF of 1,4-dioxane and ethanol was outside ASP QC limits in the initial calibration and continuing calibration, and were qualified as estimated in the associated blanks, spikes, and samples.

The SVOC data was acceptable for use; however, the percent recovery of benzidine was outside QC limits and was qualified as estimated.

The pesticide data was acceptable for use; however, the percent recovery of decachlorobiphenyl was outside the QC limit and was qualified as estimated.

The PCB data was acceptable for use without qualifications.

The metal data was acceptable for use; however, some samples were qualified undetected ("U") if detected above the method detection limit but below the reporting limit or qualified as estimated high ("J+") if detected above the reporting limit due to detections of beryllium, cadmium, potassium, iron, and mercury in various blank samples. The percent recovery of nickel, lead, manganese, zinc, cadmium, and cobalt were outside QC limits in the MS/MSD sample and were qualified as estimated. The relative percent difference (RPD) of lead,

cobalt, silver, and iron was outside QC limits in the duplicate sample and were qualified as estimated. The serial dilution for nickel, lead, manganese, potassium, zinc, barium, chromium, cobalt, copper, and vanadium were outside the QC limits and these analytes were qualified as estimated.

The cyanide data was acceptable for use without qualifications.

Lab Report 27203

The VOC data was acceptable for use; however, the percent recovery and RPD of various compounds were outside QC limits and the associated analytes were qualified as estimated high ("J+") or estimated ("J"). Several target analytes in the samples were qualified as undetected because prior to rounding to one significant figure the concentration of that target analyte was less than the MDL. The RRF of 1,4-dioxane and ethanol was outside ASP QC limits in the initial calibration and continuing calibration, and was qualified as estimated in the blanks, spikes, and samples.

The SVOC data was acceptable for use; however, various analytes were qualified as estimated because the percent recovery of 2-fluorobiphenyl was outside QC limits, the percent recovery of benzyl alcohol was outside QC limits, and the RPD between laboratory control samples was outside QC limits for benzidine, 4-chloroaniline, 4-chlorophenyl phenyl ether, diethylphthalate, dimethylphthalate, 3-nitroaniline, and 1-methylnaphthalene.

The metals data was acceptable for use; however, antimony, calcium, manganese, iron, and mercury were detected above the MDL but below the reporting limit, and were qualified as estimated in various blank samples. Chromium, copper, manganese, potassium, and zinc were detected above the MDL, but below the reporting limit, and were qualified as estimated in sample 133-FB-10-13-206. Associated samples in which these analytes were detected above the MDL but below the reporting limit were qualified as undetected, and associated samples in which these target analytes were detected above the reporting limit were qualified as estimated high. The percent recovery of silver was outside QC limits in calibration samples and qualified as estimated.

The cyanide data was acceptable for use without qualifications.

Lab Report 33976

The VOC data was acceptable for use; however, vinyl chloride in 143-MW-FFRe1 and 144-DUP9Re1 (i.e., the reanalyzed samples due to estimated concentrations in the original samples) was qualified as estimated high because the % recovery of 1,2-Dichloroethane-d_4 in the surrogate spike recovery was outside QC limits and high. Also, the RPD of vinyl chloride

was outside QC limits between 1707230-BS1 and 1707230-BSD1 (i.e., laboratory control samples). Vinyl chloride was qualified as estimated in the associated samples (145-MW-II, 146-MW-Q, 148-MW-6). Acetone and chloromethane were detected above the MDL, below the reporting limit and are qualified as estimated in 1707230-BLK1. The associated sample in which these target analytes were detected below the reporting limit was qualified as undetected (146-MW-Q). Methylene chloride was detected in field blank sample 151-FB-4-24-17, above the method detection limit, below the reporting limit, and was qualified as estimated.

The cyanide data was acceptable for use without qualifications.

Copies of laboratory reports are provided in Appendix K. Copies of DUSRs are provided in Appendix L.

3.2.2 Utility Assessment

A review of maps and figures from the City showed that a combined sewer system, associated manholes, and catch basins are located in Balfour Drive and Hollenbeck Street. As shown on Figure 5, the combined sewer system is located on Balfour Drive to the south of the Site and drains towards Hollenbeck Street. The combined sewer system on Hollenbeck Street drains to the north. A gas line enters the north portion of the Site from Hollenbeck Street and enters the north portion of the 50 Balfour Drive building. An electrical line enters the Site along a similar corridor as the gas line, and then runs overhead before running through the subsurface again north of the courtyard on the north side of the Main Building.

Plating line liquid waste enters overhead lines, which then enter the process piping (refer to Figure 5). The process piping is located in a pipe chase within the concrete floor. The majority of the pipe chase is covered with sheet metal plates; however, portions of it are covered by metal grates (i.e., portions of the pipe chase also function as a trench drain). The discharge point of liquids entering the pipe chase or the process piping is the Wastewater Treatment Plant. Select areas of the pipe chase were observed. Those areas that were observed appeared to be in good condition, however, the pipe chase could not be fully observed due to the presence of the process piping in the pipe chase.

As shown on Figure 5, the discharge points of Sump 1, Sump 2, Trench Drain 1, and Catch Basin 1 were determined to be to the combined sewer system by dye testing and observation in Manhole 1. The discharge point of Floor Drain 1 and Floor Drain 2 in the Boiler Room was determined to be the combined sewer system by dye testing and observation at Manhole 2. Also, an outfall is located southwest of the building, which functions as an overflow from roof drains. The ‘hole’ (Hole 1) in the Former Oil & Grease Room and Sump 3 were determined to be blocked (i.e., no discharge point). The former purpose of Hole 1 is

unknown. Floor Drain 3 was determined to be connected to the pipe chase drain system through visual observation. Sump 1 and Sump 2 appeared to be in good condition with no evidence of leakage to the subsurface; however, the bottom of Sump 2 could not be observed due to the presence of water. Floor Drain 1 and Floor Drain 2 appeared to be in good condition; however, these two drains could not be observed fully due to the presence of equipment (e.g., boilers). Trench Drain 1 and Catch Basin 1 appeared to be in good condition.

Test borings TB-DD and TB-EE were advanced to assess the impacts of features identified during the subsurface utility evaluation. Specifically, TB-DD was advanced in the location of a blocked hole (Hole 1) identified in a Former Oil & Grease Room, and TB-EE was advanced to the west of a blocked sump (Sump 3) located to the northeast of the former TCE degreaser area. As discussed below (refer to Section 3.2.3.3) the concentration of benzo(a)pyrene detected in subsurface soil samples 049-TB-EE (1-4) exceeded the Restricted Industrial Soil Cleanup Objective (ISCO) (i.e., 2.54 ppb vs an ISCO of 1.1 ppb, respectively). Benzo(a)pyrene was also detected above the ISCO in sporadic samples throughout the Site, so it appears likely that the presence of this contaminant in the soil beneath Sump 3 is related to HFM at this sample location.

3.2.2.1 Sump Water Samples

As shown on Table 5, various VOCs were detected in the water samples collected from Sump 1 and Sump 2. Acetone, benzene, 2-butanone (MEK), and 2-hexanone (MBK) were identified at concentrations that exceeded the NYSDEC Division of Water, Technical and Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated June 1998, addended April 2000 and June 2004, Standards or Guidance Values (TOGS) in the water sample collected from Sump 1; and, chloroform was identified at a concentration that exceeded TOGS in the water sample collected from Sump 2. Note, monitoring well MW-B is located approximately 30 ft. southeast of Sump 1 (i.e., crossgradient of Sump 1) and approximately 35 ft. southwest of Sump 2 (i.e., upgradient of Sump 2). Acetone was detected in the groundwater sample collected from MW-B on June 1, 2016 at a concentration below TOGS but not in the groundwater sample collected from monitoring well MW-B on October 12, 2016. Benzene, 2-butanone (MEK), 2-hexanone (MBK), and chloroform were not detected in the samples collected from monitoring well MW-B on either sampling date. Based on the analytical data from monitoring well MW-B, it appears that the contaminants detected in the sumps are not related to groundwater infiltration. As a result, TOGS is not applicable to the water in these sumps. (Note, these sumps also discharge to the combined sewer system, as determined during the subsurface utility evaluation [refer to Section 3.2.2]).

3.2.2.2 Geophysical Survey

The geophysical survey completed on April 3, 2017, identified apparent underground anomalies (e.g., possible pipes or utilities) in the location of the former Barrel Plating Line. These anomalies are shown on Figure 5.

3.2.2.2.1 Anomaly Investigation

The anomaly encountered in the exterior courtyard area located on the north side of the Main Building was determined to be an approximately 10,000-gallon UST, containing approximately 6,000-gallons of water. Evidence of free product was not observed floating on the water in the UST. A black oily residue was observed on the exterior of a bailer that was lowered into the water in the UST in order to obtain a sample of the water for visual observation. The extent of the excavation conducted in the vicinity of the UST was limited due to an underground electrical line to the north of the UST and a transformer located northwest of the western portion of the UST. PID readings of the soil in the vicinity of the UST ranged from 0 ppm to a maximum of 7.3 ppm. Stained soil was not observed in the excavation. The location of the UST and test pit TP-B are shown on Figure 4. A log of test pit TP-B is provided in Appendix E.

On August 23, 2019, DAY representatives provided a summary of information to the NYSDEC to support the position that the approximate 10,000-gallon UST located in the north courtyard of the Site was formerly used to store fuel oil, and was not a source of the CVOC contamination present at the Site. This information included observations made at the time of the Supplemental RI (see above); a questionnaire completed with Mr. Frank McAlpin, who was formerly associated with the Site; and, a summary of information from test pit logs, test boring logs, and analytical data (as available) for soil samples or groundwater samples collected from within a 30 ft. radius of the UST. A response was received from the NYSDEC on September 3, 2019, agreeing that the 10,000-gallon UST does not appear to be a source of CVOC contamination (refer to Appendix N for copies of the correspondence with the NYSDEC and the documentation submitted to the NYSDEC).

3.2.3 Nature and Extent of Impacts to Overburden Soil

The nature and extent of impacts to surface soil and subsurface soil are presented in the subsections outlined below. The locations of surface soil and subsurface soil samples are provided on Figure 4. The detected concentrations of constituents were compared to the Unrestricted Soil Cleanup Objectives (USCOs), the Protection of Groundwater Soil Cleanup Objectives (GWSCOs), and the Industrial Restricted Use Soil Cleanup Objective (ISCOs). In addition, the detected concentrations of VOCs were compared to the soil cleanup levels referenced in the NYSDEC Final Commissioner Policy CP-51 (CP-51).

3.2.3.1 Human Exposure Surface Soil Samples

PID readings were 0.0 ppm for human exposure surface soil samples from locations SSE-1 through SSE-5. No odors or staining were noted on the samples. As shown on Table 1, four of the human exposure surface soil samples [003-SSE-1 (0-0.18), 024-SSE-2 (0-0.18), 006-SSE-3 (0-0.18), and 010-SSE-5 (0-0.18)] were tested for TCL VOCs and TICs, TCL SVOCs and TICs, TAL Metals and Cyanide, PCBs, and Pesticides; and, the other human exposure surface soil sample [009-SSE-4 (0-0.18)] was tested for TCL VOCs and TICs, TCL SVOCs and TICs, TAL Metals and Cyanide. The analytical laboratory test results for the selected human exposure surface soil samples are summarized below.

VOCs

As shown on Table 8, ethanol was detected in four of the five human exposure surface soil samples. There are no SCOs for ethanol. No other VOCs were detected in the human exposure surface soil samples.

Tentatively Identified Compounds (TICs)

VOC TICs were detected in one of the five human exposure surface soil samples. The NYSDEC does not currently have standards or guidance values for TICs. The concentration of TICs in human exposure surface soil sample 010-SSE-5 (0-0.18) was below 0.01 ppm.

SVOCs

As shown on Table 10, SVOCs were detected in the five human exposure surface soil samples. The detectable concentrations of SVOCs in human exposure surface soil samples 003-SSE-1 (0-0.18), 006-SSE-3 (0-0.18), 009-SSE-4 (0-0.18), and 010-SSE-5 (0-0.18) were below the USCOs, GWSCOs, and ISCOs. Human exposure surface soil sample 024-SSE-2 (0-0.18) had detectable concentrations of indeno(1,2,3-cd)pyrene and dibenzo(a)anthracene which exceeded the USCO but which were below the ISCO and GWSCO; concentrations of benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene that exceeded the USCOs and GWSCOs but were below the ISCOs; and, a concentration of benzo(a)pyrene which exceeded the USCOs and ISCOs but which was below the GWSCOs. [Note, human exposure surface soil sample 024-SSE-2 (0-0.18) was collected from beneath established turf/grass.] No other SVOCs were detected in the human exposure surface soil samples.

Tentatively Identified Compounds (TICs)

SVOC TICs were detected in one of the five human exposure surface soil samples. The NYSDEC does not currently have standards or guidance values for TICs. The concentration of TICs in human exposure surface soil sample 024-SSE-2 (0-0.18) was below 5 ppm.

Metals and Cyanide

As shown on Table 12, TAL metals were detected in the five human exposure surface soil samples. The detectable concentrations of metals in human exposure surface soil samples 003-SSE-1 (0-0.18), 006-SSE-3 (0-0.18), 009-SSE-4 (0-0.18), and 010-SSE-5 (0-0.18) were below the USCOs, GWSCOs, and ISCOs. Human exposure surface soil sample 024-SSE-2 (0-0.18) had detectable concentrations of copper, lead, and zinc which exceeded the applicable USCOs but which were below the ISCOs and GWSCOs. [Note, human exposure surface soil sample 024-SSE-2 (0-0.18) was collected from beneath established turf/grass.]

As shown on Table 12, cyanide was not detected in the five human exposure surface soil samples.

PCBs and Pesticides

As shown on Table 14, PCBs were not detected in the four human exposure surface soil samples tested [i.e., 003-SSE-1 (0-0.18), 024-SSE-2 (0-0.18), 006-SSE-3 (0-0.18), and 010-SSE-5 (0-0.18)].

Some detectable concentrations of pesticides were reported in two of the four human exposure surface soil samples tested. The concentrations of dieldrin, 4,4'-DDE(p,p'), and 4,4'-DDT(p,p') in human exposure surface soil sample SSE-5 exceeded the applicable USCOs but were less than the corresponding GWSCOs and ISCOs. No other pesticide concentrations were detected in the four human exposure surface soil samples that exceeded the USCOs, GWSCOs, or the ISCOs.

3.2.3.2 Historic Fill Material (HFM) Surface Soil Samples

PID readings ranged from 0.0 ppm to 3.7 ppm (SS-6) for HFM samples from locations SS-1 through SS-10, TP-A, MW-1R, TB-P, TB-H, and MW-19. Evidence of fill material (e.g., glass, asphalt, and a metal spike) was observed at SS-2 from a depth of 0.2 to 1.5 ft. bgs. An asphalt slab was observed at an approximate depth of 1.5 ft. bgs at SS-2. Also, fill material was observed below one ft. bgs at SS-7, and fill material (e.g., slag, ash, brick, and coal) was observed at SS-8 at 1.8 ft. bgs. Seventeen surface soil samples (refer to Table 6) were submitted and tested for TPH. Based on the TPH results, and requirements of DER-10, full

TCL/TAL analysis was completed for 002-SS-3 (0-1), 012-MW-1R (0-1), 017-TB-H (0-1), 018-MW-19 (0-1), and 019-SS-5 (0-1). As shown on Table 1, and per the requirements of DER-10, additional testing was also completed for soil samples 008-SS-4 (1.2), 022-SS-7 (1-2), 016-SS-8 (1.8) to delineate the vertical extent of the historic fill material. Following receipt of analytical test results, an additional sample was also collected from the 0-1 ft. interval of SS-7 and tested for full TCL/TAL. The analytical laboratory test results for the selected HFM samples are summarized below.

TPH

As shown on Table 6, TPH was detected in the 17 HFM samples tested. The concentration of TPH ranged from 16.6 mg/kg [005-SS-1 (0-1)] to 5760 mg/kg [012-MW-1R (0-1)]. Sample location MW-1R is located below pavement. SCOs are not provided for TPH.

VOCs

As shown on Table 8, various VOCs [i.e., acetone, carbon disulfide, ethanol, 2-butanone (MEK), methylene chloride, methylcyclohexane, isopropylbenzene, trichloroethene (TCE)] were detected in three of the eight HFM samples tested. The concentration of methylene chloride and TCE detected in HFM sample 017-TB-H (0-1) exceeded USCOs and GWSCOs. [Note: The concentration of TCE in the two groundwater samples collected from MW-H (i.e., as part of the initial RI groundwater sampling event and the 2016 Supplemental RI groundwater sampling event) exceeded the TOGS standard of 5 ppb, indicating that this area may be a potential source of CVOC groundwater contamination.)] Also, the concentration of acetone detected in HFM sample 022-SS-7 (1-2) exceeded USCOs and GWSCOs. Acetone was not detected at concentrations exceeding TOGS in groundwater samples collected from monitoring wells in proximity of HFM sample SS-7. The concentration of the remaining VOCs detected were below USCOs, GWSCOs, and ISCOs.

Tentatively Identified Compounds (TICs)

VOC TICs were not detected in the eight HFM samples tested.

SVOCs

As shown on Table 10, various SVOCs were detected in the 13 HFM samples tested. The concentrations of the SVOCs detected in samples 002-SS-3 (0-1), 007-SS-4 (0-1), 008-SS-4 (1.2), 015-SS-8 (0-1), 016-SS-8 (1.8), 017-TB-H (0-1), 018-MW-19 (0-1), 019-SS-5 (0-1), and 023-TP-A (0-1) were below GWSCOs and ISCOs. In sample 012-MW-1R (0-1), the concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene detected exceeded ISCOs (this sample

location is below pavement). In sample 013-SS-9 (0-1), the benzo(a)pyrene concentration exceeded the ISCO (the sample was collected below established turf/grass). In sample 022-SS-7 (1-2), benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene were detected at concentrations that exceeded the ISCOs (this sample was collected below approximately half a foot of crushed stone and sand). In sample 104-SS-7 (0-1), benzo(a)pyrene was detected at a concentration that exceeded its ISCO (this sample was collected below approximately half a foot of crushed stone).

Tentatively Identified Compounds (TICs)

SVOC TICs were detected in four of the 13 HFM samples tested. The NYSDEC does not currently have standards or guidance values for TICs. The concentration of TICs in one of the HFM samples [i.e., HFM sample 012-MW-1R (0-1)] tested during the initial RI exceeded 10 ppm; however, this sample was collected beneath an asphalt-pavement cover.

Metals and Cyanide

As shown on Table 12, various TAL metals and cyanide were detected in the thirteen historic fill material samples. However, the concentrations of detected TAL metals and cyanide were less than their respective ISCOs.

PCBs and Pesticides

As shown on Table 14, pesticides were detected in three of the six historic fill material samples tested, and PCBs were detected in six of the nine historic fill material samples tested. The concentrations of PCBs and pesticides detected in the historic fill material samples were below their respective ISCOs.

A spider diagram showing the extent of contamination in human exposure surface soil samples and HFM soil samples is provided as Figure 6.

3.2.3.3 Subsurface Soil

PID readings ranged from 0.0 ppm to greater than 211 ppm (TB-S, 7-8 ft. bgs) for soil samples. (Note: due to suspected equipment malfunction, the PID readings measured on April 4, 2016 are not considered usable and are not provided on the test boring logs included in Appendix E. The conclusion not to use the PID readings is supported by the analytical results of the soil samples collected on April 4, 2016). Refusal was encountered at depths ranging from 7.6 ft. bgs (TB-J) to 15.1 ft. bgs (TB-G). No staining was noted on the soil samples. An unknown odor was noted for soil sample TB-M at an approximate depth of 11.5 ft. bgs; a solvent-type odor was noted for soil sample TB-BB at an approximate depth of 10.5

ft. bgs; a solvent-type odor was noted for soil sample TB-S at an approximate depth of seven ft. bgs.; and, an unknown odor was noted for soil sample TB-T at an approximate depth of 2.5 ft. bgs. As shown on Table 1, soil samples were tested for TCL/TAL (i.e., TCL VOCs and TICs, TCL SVOCs and TICs, TAL Metals and Cyanide, PCBs, and Pesticide), with the exception of soil samples 027-TB-Y (0.8), 028-TB-Z (0.6), and 029-TB-X (0.8) which were tested for PCBs only. The analytical laboratory test results for the selected subsurface soil samples are summarized below.

VOCs

As shown on Table 9, various VOCs were detected in 25 of the 28 subsurface soil samples tested during the initial RI. The concentrations of VOCs detected in the subsurface soils were below the USCOs and GWSCOs, except for CVOCs (i.e., cis-1,2-DCE, TCE, and/or vinyl chloride) detected in nine of the subsurface soil samples [i.e., 035-TB-K (10-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 041-TB-S (6.5-7.5), 045-TB-B (4-6), 048-TB-E (5-7), 050-TB-F (4-7), 053-TB-H-1 (9.2-11.2), and 057-TB-N-1 (6-8.5)]. In these nine samples, the detected concentrations of CVOCs exceeded the USCOs and the GWSCOs but were below the ISCOs.

As shown on Table 9, various VOCs were detected in the six subsurface soil samples tested during the 2017 Supplemental RI. The concentrations of VOCs detected in the subsurface soils were below the USCOs, except for CVOCs (i.e., cis-1,2-DCE, TCE, and/or vinyl chloride) detected in three of the subsurface soil samples [i.e., 136-TB-II (11-12.7), 138-TB-KK (10-12), 139-TB-JJ (11-11.7)]. In these three samples, the detected concentrations of CVOCs exceeded the USCOs and the GWSCOs but were below the ISCOs.

The exceedances of GWSCOs in subsurface soil samples for compounds that were also detected in overburden groundwater samples at concentrations exceeding TOGS (refer to Section 3.2.4.1) are a potential ongoing source of CVOC contamination to groundwater.

A spider diagram showing the extent of CVOC contamination in subsurface soil is provided as Figure 9.

Tentatively Identified Compounds (TICs) for VOCs

VOC TICs were identified in 15 of the 28 subsurface soil samples tested during the initial RI and in five of the six subsurface soil samples tested during the 2017 Supplemental RI. The NYSDEC does not currently have standards or guidance values for TICs. The concentration of TICs in six of the subsurface soil samples [i.e., subsurface soil samples 030-TB-G (6-8), 031-TB-U (7-9), 032-TB-T (11-12), 035-TB-K (10-11), 036-DUP3 (9-11), and 055-TB-R-1 (8-10)] tested during the initial RI exceeded 10 ppm. [Note: Soil sample 036-DUP3 (9-11)

was a duplicate soil sample of 038-TB-BB (9-11), which had a total TICs concentration of 1.267 ppm.] Additional signs of contamination in these soil samples include a reported solvent-type odor and a PID reading (i.e., 6.6 ppm) in test boring TB-BB at approximately 10 ft. bgs; a PID reading in test boring TB-G (i.e., 126 ppm) at approximately 7.5 ft. bgs; a PID reading in test boring TB-K (i.e., 92.2 ppm) at approximately 10 ft. bgs; an oil sheen and a petroleum odor were observed with a PID reading (i.e., 81.0 ppm) in test boring TB-R at approximately 8 ft. bgs; a reported unknown-type odor at approximately 2-3 ft. bgs and a PID reading (i.e., 151 ppm) in test boring TB-T at approximately 10 ft. bgs; and, a PID reading in test boring TB-U (i.e., 53.2 ppm) at approximately 7 ft. bgs.

SVOCs

As shown on Table 11, various SVOCs were detected in 13 of the 28 subsurface soil samples tested. The concentration of benzo(a)pyrene detected in subsurface soil samples 049-TB-EE (1-4) and 054-TB-W-1 (0-4) exceeded the ISCO (i.e., 2.54 ppb and 4.89 ppb vs an ISCO of 1.1 ppb, respectively) but not the GWSCO. Other than the concentrations of SVOCs detected in these two samples, the remaining eleven subsurface soil samples that had detectable concentrations of SVOCs contained SVOC concentrations that were below the USCOs, GWSCOs, and ISCOs.

Tentatively Identified Compounds (TICs) for SVOCs

SVOC TICs were identified in 18 of the 28 subsurface soil samples tested. The NYSDEC does not currently have standards or guidance values for TICs. The concentration of SVOC TICs in six of the subsurface soil samples [i.e., subsurface soil samples 030-TB-G (6-8), 031-TB-U (7-9), 032-TB-T (11-12), 034-TB-V (9.5-10.5), 047-TB-D (9-12), and 055-TB-R (8-10)] tested during the initial RI exceeded 10 ppm. Additional signs of contamination in these soil samples include PID readings ranging from 33.1 ppm (i.e., test boring TB-T at approximately 11.5 ft. bgs) to 126 ppm (i.e., test boring TB-G at approximately 7.5 ft. bgs). [Note: PID readings collected for test boring TB-D were not considered reliable due to meter issues and have not been included.] In addition, oil sheen and a petroleum odor were observed in test boring TB-R at approximately 8 ft. bgs.

Metals and Cyanide

As shown on Table 13, various TAL metals and cyanide were detected in the 28 subsurface soil samples. The concentrations of detected TAL metals were less than their respective ISCOs, and the concentrations of detected cyanide were below their respective USCOs, GWSCOs, and ISCOs.

PCBs and Pesticides

As shown on Table 15, pesticides were detected in two of the 28 subsurface soil samples tested, and PCBs were detected in three of the 28 subsurface soil samples tested. The concentrations of PCBs and pesticides detected in the subsurface soil samples were below their respective USCOs, GWSCOs, and ISCOs.

3.2.4 Nature and Extent of Impacts to Groundwater

The nature and extent of impacts to overburden and bedrock groundwater are presented in the subsections outlined below. During the initial RI and the 2016 Supplemental RI groundwater sampling events, 20 overburden groundwater monitoring wells and seven bedrock groundwater monitoring wells were sampled [Note: during the 2016 Supplemental RI groundwater sampling event, groundwater samples were only analyzed from 19 overburden groundwater monitoring wells (refer to Section 2.2.3.4)]. During the 2017 Supplemental RI groundwater sampling event, seven overburden groundwater monitoring wells were sampled (MW-FF, MW-II, MW-5, MW-6, MW-8, MW-18, and MW-Q). The locations of these wells are shown on Figure 4.

The analytical results of the groundwater samples were compared to TOGS.

3.2.4.1 Overburden Groundwater

VOCs

Non-Chlorinated VOCs:

As shown on Table 16, various non-chlorinated VOCs were detected in overburden groundwater samples. These non-chlorinated VOCs in overburden groundwater were detected sporadically at the Site, and exceeded TOGS in only two of the groundwater samples tested. Some additional information regarding non-chlorinated VOCs is provided below.

Acetone

Acetone was detected in four of the 20 overburden groundwater samples tested during the initial RI groundwater sampling event, and the concentration of acetone exceeded the TOGS guidance value of 50 ppb in only one of those samples (074-MW-H). The concentrations of acetone in the samples ranged from non-detect to 77.7 ppb (074-MW-H).

Acetone was detected in six of the 19 overburden groundwater samples tested during the 2016 Supplemental RI groundwater sampling event. The concentration of acetone in these samples did not exceed TOGS.

Acetone was not detected in the seven overburden groundwater samples tested during the 2017 Supplemental RI groundwater sampling event.

Benzene

Benzene was detected in six of the 20 overburden groundwater samples tested in the initial RI groundwater sampling event, and the concentration of benzene exceeded the TOGS standard of 1 ppb in only one of those samples (074-MW-H). The concentration of benzene in the samples ranged from non-detect to 1.2 ppb 074-MW-H).

Benzene was detected in three of the 19 overburden groundwater samples tested during the 2016 Supplemental RI groundwater sampling event. The concentration of benzene in these samples did not exceed TOGS.

Benzene was detected in two of the seven overburden groundwater samples tested during the 2017 Supplemental RI groundwater sampling event. The concentration of benzene in these samples did not exceed TOGS.

1,4-Dichlorobenzene

1,4-Dichlorobenzene was detected in one of the 20 overburden groundwater samples tested in the initial RI groundwater sampling event, and the concentration of 1,4-dichlorobenzene in the sample (089-MW-16) exceeded the TOGS standard of 3 ppb. The concentration of 1,4-dichlorobenzene in the samples ranged from non-detect to 5 ppb (089-MW-16).

1,4-Dichlorobenzene was not detected in the 19 overburden groundwater samples tested in the 2016 Supplemental RI groundwater sampling event.

1,4-Dichlorobenzene was not detected in the seven overburden groundwater samples tested in the 2017 Supplemental RI groundwater sampling event.

Chlorinated VOCs (CVOCs):

As shown on Table 16, various CVOCs were detected in the 20 overburden groundwater samples tested during the initial RI groundwater sampling event; in the 19 overburden groundwater samples tested during the 2016 Supplemental RI groundwater sampling event; and, in six of the seven overburden groundwater samples tested during the 2017

Supplemental RI groundwater sampling event. One or more CVOCs [i.e., tetrachloroethene (PCE); trichloroethene (TCE); cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-dichloroethene (trans-1,2-DCE); vinyl chloride] were detected at concentrations above TOGS standards in the 20 overburden groundwater samples tested during the initial RI groundwater sampling event, in 18 of the 19 overburden groundwater samples tested during the 2016 Supplemental RI groundwater sampling event, and in six of the seven overburden groundwater samples tested during the 2017 Supplemental RI groundwater sampling event. Total CVOCs in the overburden groundwater are depicted on Figures 7A, 7B, and 7C. Additional information regarding these CVOCs are provided below.

PCE

Concentrations of PCE were detected in nine of the 20 overburden groundwater samples tested during the initial RI groundwater sampling event, and the concentration of PCE exceeded the TOGS standard of 5 ppb in four of those nine samples. The concentrations of PCE ranged from non-detect to 18.5 ppb (081-MW-P) in the initial RI groundwater sampling event.

Concentrations of PCE were detected in four of the 19 overburden groundwater samples tested during the 2016 Supplemental RI groundwater sampling event, and the concentration of PCE exceeded the TOGS standard of 5 ppb in two of those four samples. The concentrations of PCE ranged from non-detect to 13.9 ppb (121-MW-P) in the 2016 Supplemental RI groundwater sampling event.

Concentrations of PCE were not detected in the seven overburden groundwater samples tested during the 2017 Supplemental RI groundwater sampling event.

TCE

Concentrations of TCE were detected in 16 of the 20 overburden groundwater samples tested during the initial RI groundwater sampling event, and the concentration of TCE exceeded the TOGS standard of 5 ppb in 14 of those 16 samples. The concentrations of TCE ranged from non-detect to 286 ppb (089-MW-16).

Concentrations of TCE were detected in 12 of the 19 overburden groundwater samples tested during the 2016 Supplemental RI groundwater sampling event, and the concentration of TCE exceeded the TOGS standard of 5 ppb in eight of those 12 samples. The concentrations of TCE ranged from non-detect to 199 ppb (118-MW-G).

Concentrations of TCE were detected in three of the seven overburden groundwater samples tested during the 2017 Supplemental RI groundwater sampling event, and the concentration

of TCE exceeded the TOGS standard of 5 ppb in two of those three samples. The concentrations of TCE ranged from non-detect to 128 ppb (143-MW-FF).

Cis-1,2-DCE

Concentrations of cis-1,2-DCE were detected in the 20 overburden groundwater samples tested in the initial RI groundwater sampling event, and the concentration of cis-1,2-DCE exceeded the TOGS standard of 5 ppb in 16 of those 20 samples. The concentrations of cis-1,2-DCE ranged from 0.7 ppb (102-MW-9) to 40,500 ppb (077-MW-5).

Concentrations of cis-1,2-DCE were detected in the 19 overburden groundwater samples tested in the 2016 Supplemental RI groundwater sampling event, and the concentration of cis-1,2-DCE exceeded the TOGS standard of 5 ppb in 16 of those 19 samples. The concentrations of cis-1,2-DCE ranged from 0.6 ppb (110-MW-9) to 738 ppb (107-MW-5).

Concentrations of cis-1,2-DCE were detected in six of the seven overburden groundwater samples tested in the 2017 Supplemental RI groundwater sampling event, and the concentration of cis-1,2-DCE exceeded the TOGS standard of 5 ppb in those six samples. The concentrations of cis-1,2-DCE ranged from non-detect (150-MW-18) to 3,410 ppb (147-MW-5).

Trans-1,2-DCE

Concentrations of trans-1,2-DCE were detected in 12 of the 20 overburden groundwater samples tested in the initial RI groundwater sampling event, and the concentration of trans-1,2-DCE exceeded the TOGS standard of 5 ppb in two of those 12 samples. The concentrations of trans-1,2-DCE ranged from non-detect to 16.5 ppb (063-MW-8).

Concentrations of trans-1,2-DCE were detected in 13 of the 19 overburden groundwater samples tested in the 2016 Supplemental RI groundwater sampling event, and the concentration of trans-1,2-DCE exceeded the TOGS standard of 5 ppb in three of those 13 samples. The concentrations of trans-1,2-DCE ranged from non-detect to 30.8 ppb (113-MW-16).

Concentrations of trans-1,2-DCE were detected in three of the seven overburden groundwater samples tested in the 2017 Supplemental RI groundwater sampling event, and the concentration of trans-1,2-DCE exceeded the TOGS standard of 5 ppb in one of those three samples. The concentrations of cis-1,2-DCE ranged from non-detect to 20.5 ppb (144-DUP-9, a duplicate sample collected from MW-FF).

Vinyl Chloride

Concentrations of vinyl chloride were detected in 13 of the 20 overburden groundwater samples tested in the initial RI groundwater sampling event, and the concentration of vinyl chloride exceeded the TOGS standard of 2 ppb in 12 of those 13 samples. The concentrations of vinyl chloride ranged from non-detect to 2,220 ppb (077-MW-5).

Concentrations of vinyl chloride were detected in 14 of the 19 overburden groundwater samples tested in the 2016 Supplemental RI groundwater sampling event, and the concentration of vinyl chloride exceeded the TOGS standard of 2 ppb in 12 of those 14 samples. The concentrations of vinyl chloride ranged from non-detect to 2,630 ppb (109-MW-8).

Concentrations of vinyl chloride were detected in six of the seven overburden groundwater samples tested in the 2017 Supplemental RI groundwater sampling event, and the concentration of vinyl chloride exceeded the TOGS standard of 5 ppb in those six samples. The concentrations of vinyl chloride ranged from non-detect (150-MW-18) to 3,880 ppb (144-DUP-9, a duplicate sample collected from MW-FF).

Total VOCs and TICs

TICs were detected in groundwater sample 087-MW-Q at a concentration of 118.6 ppb during the initial RI groundwater sampling event; in groundwater sample 130-MW-Q and groundwater sample 131-DUP8 (duplicated groundwater sample collected from monitoring well MW-Q) at concentrations of 86.3 ppb and 95.4 ppb, respectively, during the 2016 Supplemental RI groundwater sampling event; and, in groundwater sample 146-MW-Q at a concentration of 99.7 ppb during the 2017 Supplemental RI groundwater sampling event. Also, TICs were detected in groundwater sample 095-MW-17 at a concentration of 70 ppb during the 2016 Supplemental RI groundwater sampling event, and in groundwater sample 132-MW-17 at a concentration of 204 ppb during the 2017 Supplemental RI groundwater sampling event., In addition, TICs were detected in groundwater sample 145-MW-II at a concentration of 69.3 ppb during the 2017 Supplemental RI groundwater sampling event.

Concentrations of total VOCs and TICs ranged from 5.6 ppb (071-MW-10) to 42,975 ppb (077-MW-5) in the initial RI groundwater sampling event. Concentrations of total VOCs and TICs ranged from 2.8 ppb (111-MW-10) to 3,253 ppb (109-MW-8) in the 2016 Supplemental RI groundwater sampling event. The concentrations of total VOCs and TICs decreased in the 2016 Supplemental RI groundwater sampling event as compared to the initial RI groundwater sampling event in 13 of the 19 monitoring wells tested.

Concentrations of total VOCs and TICs ranged from non-detect (150-MW-18) to 5,197.8 ppb (143-MW-FF) in the 2017 Supplemental RI groundwater sampling event. The concentrations of total VOCs and TICs decreased in the 2017 Supplemental RI groundwater sampling event as compared to the initial RI groundwater sampling event in the five monitoring wells that were tested during both events (MW-5, MW-6, MW-8, MW-18, and MW-Q). Also, the concentration of total VOCs and TICs decreased in the 2017 Supplemental RI groundwater sampling event as compared to the 2016 Supplemental RI groundwater sampling event in three of the five monitoring wells that were tested during both events (MW-8, MW-18, and MW-Q).

Discussion

Based on the work completed as part of the RI, there appears to be a primary plume area in the overburden groundwater in the vicinity of MW-5 that contains the greatest concentration of CVOCs. In addition, there appears to be multiple secondary sources of CVOC contamination in overburden groundwater both upgradient and crossgradient of the primary plume area (i.e., test borings TB-K, TB-S, TB-B, TB-E, TB-F, TB-H, and TB-N). Individually these multiple secondary source areas have lower CVOC concentrations, but the cumulative effect could be significant (refer to Figures 7A, 7B, 7C, 8A, and 87B). These conclusions are consistent with the groundwater investigations completed previous to the RI (refer to Section 1.4). As shown on Table 16 and depicted on Figure 7A, the highest concentration of total CVOCs was detected in the overburden groundwater sample collected from monitoring well MW-5 (i.e., 42,975 ppb) during the initial RI groundwater sampling event. Approximately 94% of the total VOC concentration in the groundwater sample collected from MW-5 is attributable to the concentration of cis-1,2-DCE (i.e., 40,500 ppb) and approximately 5% is attributable to the concentration of vinyl chloride (i.e., 2,220 ppb). The concentration of cis-1,2-DCE detected in MW-5 could be attributable to the breakdown of TCE in a source area located in proximity to monitoring well MW-5. The total CVOC concentration in the overburden groundwater sample collected from monitoring well MW-5 during the 2016 Supplemental RI groundwater sampling event was 807.6 ppb, which is a decrease of approximately 98% (refer to Figure 7B). However; similar ratios of the CVOCs detected were present in this sample. Approximately 91% of the total CVOC concentration detected in the groundwater sample collected from MW-5 during the 2016 Supplemental RI groundwater sampling event is attributable to the concentration of cis-1,2-DCE (i.e., 738 ppb), and approximately 8% of the total CVOC concentration is attributable to the concentration of vinyl chloride (i.e., 63.8 ppb). Also, trans-1,2-DCE was detected in the groundwater sample collected from MW-5 during the 2016 Supplemental RI groundwater sampling event at a concentration of 5.8 ppb or about 1% of the total CVOC concentration. Previous groundwater sampling completed at monitoring well MW-5 had a maximum TCE concentration of 909.5 ppb (sample collected in 1997), a maximum cis-1,2-DCE concentration of 11,300 ppb (sample collected in 2006), and a maximum vinyl chloride

concentration of 1,080 ppb (sample collected in 2006). The highest concentration of total CVOCs in the samples collected during the 2016 Supplemental RI groundwater sampling event was from MW-8 (3,253 ppb), which was comprised of cis-1,2-DCE (607 ppb or 18.7%), trans-1,2-DCE (16 ppb or 0.5%), and vinyl chloride (2,630 ppb or 80.8%). The highest concentration of total CVOCs in the groundwater samples collected during the 2017 Supplemental RI groundwater sampling event was from MW-FF (6,342.5 ppb) which is located near the north wall of the Main Building in the area of the former Barrel Plating Line. The sample was comprised of cis-1,2-DCE (2,320 ppb or about 43%), trans-1,2-DCE (20.5 ppb or <1%), TCE (122 ppb or about 2%), and vinyl chloride (3,880 ppb or about 61%).

As shown on Figure 7A, the primary plume of CVOCs in the overburden groundwater appears to extend to the northern property boundary; however, the concentration of CVOCs near the northern property boundary is significantly less than the concentration of CVOCs in MW-5. The total CVOC concentration in the overburden groundwater sample collected from MW-9 (i.e., the overburden monitoring well on the northern property boundary, to the north of MW-5 and MW-8) in the initial RI groundwater sampling event was 46 ppb, which was comprised of vinyl chloride (45.3 ppb or about 98%) and cis-1,2-DCE (0.7 ppb or about 2%); and, the total CVOC concentration in the groundwater sample collected from MW-9 during the 2016 Supplemental RI groundwater sampling event was 37.9 ppb, which was comprised of vinyl chloride (37.3 ppb or about 98%) and cis-1,2-DCE (0.6 ppb or about 2%). The average total CVOC concentration in the groundwater samples collected from MW-9 prior to the planting of the phytoremediation trees was 85.7 ppb. The primary plume of CVOCs in the overburden groundwater did not appear to extend to MW-10 on the northeast property boundary, which had an average total CVOC concentration of 4 ppb for the groundwater samples collected during the RI. The average total CVOC concentration in the groundwater samples collected from MW-10 prior to the planting of the phytoremediation trees was 303.9 ppb. The phytoremediation area located on the north portion of the Site appears to be effective in reducing CVOC contamination in the overburden water.

LNAPL

LNAPL was detected at monitoring well MW-17 at an approximate thickness of 0.05 ft. during the initial RI groundwater sampling event, and at an approximate thickness of 0.01 ft. during the 2016 Supplemental RI groundwater sampling event. A sample of the LNAPL [100-MW-17 (LNAPL)] was collected and submitted to Spectrum for testing of TPH and VOCs during the initial RI groundwater sampling event. Note, insufficient sample was available to complete TPH analysis on the non-aqueous portion of the sample; therefore, the TPH analysis was completed on the aqueous portion of the sample (100-MW-17).

As shown on Table 7, TPH, identified as #2 Fuel Oil, was detected in the aqueous portion of the sample at a concentration of 229 µg/l. As shown on Table 16, three VOCs (1,4-

dichlorobenzene; 1,2,4-trimethylbenzene; and naphthalene) were detected in the non-aqueous portion of the sample; however, the concentrations of these three VOCs were below the TOGS standards or guidance values.

DNAPL

DNAPL was not detected during the initial RI groundwater sampling event, the 2016 Supplemental RI groundwater sampling event, or the 2017 Supplemental RI groundwater sampling event.

Based on the maximum concentrations of VOCs detected during the groundwater sampling events compared to 1% of the water solubility of the contaminants, DNAPL is not suspected to be present, with the possible exception of the concentration of cis-1,2-DCE detected in the groundwater sample collected from monitoring well MW-5 in the initial RI groundwater sampling event. The concentration of cis-1,2-DCE in this sample was 40,500 µg/l. The solubility of cis-1,2-DCE in water at 25 °C reported by PubChem [i.e., the open chemistry database at the National Institutes of Health (NIH)] ranges from 3,500,000 µg/l to 6,410,000 µg/l.

SVOCs

As shown on Table 18, various SVOCs were detected in two of the 19 overburden groundwater samples tested (MW-Q and MW-17) during the initial RI groundwater sampling event, and in the two overburden groundwater samples (MW-Q and MW-17) tested during the 2016 Supplemental RI groundwater sampling event. The concentrations of SVOCs detected in these overburden groundwater samples were below the applicable TOGS standards or guidance values.

Total SVOCs and TICs

Concentrations of total SVOCs and TICs ranged from ND (various wells) to 494.44 ppb (132-MW-17) in the initial RI groundwater sampling event.

Metals and Cyanide

As shown on Table 20, various TAL metals were detected in the 19 overburden groundwater samples tested during the initial RI groundwater sampling event, and in the one overburden groundwater sample (MW-Q) tested during the 2016 Supplemental RI groundwater sampling event. One or more metals were detected at concentrations above TOGS in each of the 19 overburden groundwater samples tested during the initial RI groundwater sampling event,

and in the one groundwater sample tested during the 2016 Supplemental RI groundwater sampling event. These exceedances are discussed below.

Arsenic

Arsenic was detected in nine of the 19 overburden groundwater samples tested during the initial RI groundwater sampling event, and in the one overburden groundwater sample (MW-Q) tested during the 2016 Supplemental RI groundwater sampling event. The concentration of arsenic exceeded the TOGS standard of 0.025 ppm in only two of the ten samples where arsenic was detected. The concentration of arsenic ranged from non-detect to 0.03 ppm (082-MW-6).

Antimony

Antimony was detected in two of the 19 overburden groundwater samples tested during the initial RI groundwater sampling event, and was not detected during the 2016 Supplemental RI groundwater sampling event. The concentration of antimony exceeded the TOGS standard of 0.003 ppm in only one of the two samples where antimony was detected. The concentration of antimony ranged from non-detect to 0.0037 ppm (082-MW-6).

Iron

Iron was detected in the 19 overburden groundwater samples tested during the initial RI groundwater sampling event, and in the one overburden groundwater sample tested (MW-Q) during the 2016 Supplemental RI groundwater sampling event. The concentration of iron exceeded the TOGS standard of 0.3 ppm in eight of the 19 samples tested during the initial RI groundwater sampling event, and in the one overburden groundwater sample tested during the 2016 Supplemental RI groundwater sampling event. The concentration of iron ranged from 0.0108 ppm (092-MW-B) to 14.3 ppm (071-MW-10) during the initial RI groundwater sampling event, and was detected at a concentration of 0.556 ppm in sample 130-MW-Q during the 2016 Supplemental RI groundwater sampling event.

Magnesium

Magnesium was detected in the 19 overburden groundwater samples tested during the initial RI groundwater sampling event, and in the one overburden groundwater sample (MW-Q) tested during the 2016 Supplemental RI groundwater sampling event. The concentration of magnesium exceeded the TOGS guidance value of 35 ppm in 13 of the 20 samples tested. The concentration of magnesium ranged from 5.94 ppm (087-MW-Q) to 89.4 ppm (095-MW-17) during the initial RI groundwater sampling event, and was detected at a

concentration of 7.86 ppm in sample 130-MW-Q during the 2016 Supplemental RI groundwater sampling event.

Manganese

Manganese was detected in the 19 overburden groundwater samples tested during the initial RI groundwater sampling event, and in the one overburden groundwater sample (MW-Q) tested during the 2016 Supplemental RI groundwater sampling event. The concentration of manganese exceeded the TOGS standard of 0.3 ppm in four of the 20 samples tested. The concentration of manganese ranged from 0.0092 ppm (087-MW-Q) to 1.47 ppm (069-MW-12) during the initial RI groundwater sampling event, and was detected at a concentration of 0.0122 in sample 130-MW-Q during the 2016 Supplemental RI groundwater sampling event.

Nickel

Nickel was detected in 18 of the 19 overburden groundwater samples tested during the initial RI groundwater sampling event, and in the one overburden groundwater sample (MW-Q) tested during the 2016 Supplemental RI groundwater sampling event. The concentration of nickel exceeded the TOGS standard of 0.1 ppm in only two of the 20 samples tested. The concentration of nickel ranged from non-detect to 0.228 ppm (089-MW-16) during the initial RI groundwater sampling event, and was detected at a concentration of 0.0306 ppm in sample 130-MW-Q during the 2016 Supplemental RI groundwater sampling event.

Sodium

Sodium was detected in the 19 overburden groundwater samples tested during the initial RI groundwater sampling event, and in the one overburden groundwater sample (MW-Q) tested during the 2016 Supplemental RI groundwater sampling event. The concentration of sodium exceeded the TOGS standard of 20 ppm in the 19 samples tested during the initial RI groundwater sampling event, and in the one overburden groundwater sample tested during the 2016 Supplemental RI groundwater sampling event. The concentration of sodium ranged from 32.3 ppm (065-MW-13) to 740 ppm (087-MW-Q) during the initial RI groundwater sampling event, and was detected at a concentration of 551 ppm in sample 130-MW-Q during the 2016 Supplemental RI groundwater sampling event.

Cyanide

Cyanide was detected in three of the 19 overburden groundwater samples tested during the initial RI groundwater sampling event; in the one overburden groundwater sample (MW-Q) tested for cyanide during the 2016 Supplemental RI groundwater sampling event (MW-Q); and, in one of the three overburden groundwater samples tested for cyanide during the 2017

Supplemental RI groundwater sampling event (MW-Q). The concentration of cyanide ranged from non-detect to 0.738 ppm (087-MW-Q) during the initial RI groundwater sampling event; was detected at a concentration of 0.342 ppm in sample 130-MW-Q during the 2016 Supplemental RI groundwater sampling event; and, was detected at a concentration of 0.257 ppm in sample 146-MW-Q during the 2017 Supplemental RI groundwater sampling event.

PCBs and Pesticides

As shown on Table 22, PCBs and pesticides were not detected in the 19 overburden groundwater samples tested during the initial RI groundwater sampling event.

3.2.4.2 Bedrock Groundwater

VOCs

As shown on Table 17, various VOCs were detected in six of the seven bedrock groundwater samples tested during the initial RI groundwater sampling event and the 2016 Supplemental RI groundwater sampling event.

Non-Chlorinated VOCs:

Non-chlorinated VOCs were detected in bedrock groundwater samples during both groundwater sampling events. Toluene and xylene were detected in two of the bedrock monitoring wells (MW-13R and MW-19R) during the initial RI groundwater sampling event; and, acetone, benzene, toluene, and xylenes were detected in bedrock monitoring well MW-12R during the 2016 Supplemental RI groundwater sampling event. The detected concentrations of these constituents did not exceed TOGS.

Chlorinated VOCs:

CVOCs were detected in six of the seven bedrock monitoring wells tested during the initial RI groundwater sampling event. (Note: CVOCs, were not detected in bedrock monitoring well MW-12R), and in the seven bedrock monitoring wells tested during the 2016 Supplemental RI groundwater sampling event. Four of the bedrock monitoring wells contained concentrations of CVOCs that exceeded TOGS in both the initial RI groundwater sampling event and 2016 Supplemental RI groundwater sampling event. There were three CVOCs that were detected above TOGS (cis-1,2-DCE, TCE, and vinyl chloride) in those four bedrock wells. The total concentrations of CVOCs in the bedrock groundwater are depicted on Figure 8A for the initial RI groundwater sampling event and Figure 8B for the 2016 Supplemental RI groundwater sampling event. CVOCs in bedrock groundwater are discussed in more detail below.

PCE

Concentrations of PCE were detected in four of the seven bedrock groundwater samples tested during the initial RI groundwater sampling event, but was not detected in any of the groundwater samples tested during the 2016 Supplemental RI groundwater sampling event. The concentrations of PCE detected during the initial RI groundwater sampling event were at or below the TOGS standard of 5 ppb. The concentration of PCE ranged from non-detect to 5.0 ppb (072-MW-3R).

TCE

Concentrations of TCE were detected in six of the seven bedrock groundwater samples tested during the initial RI groundwater sampling event, and in five of the seven bedrock groundwater samples tested during the 2016 Supplemental RI groundwater sampling event. The concentrations of TCE exceeded the TOGS standard of 5 ppb in three of the six samples where TCE was detected during the initial RI groundwater sampling event, and in three of the five samples where TCE was detected during the 2016 Supplemental RI groundwater sampling event. The concentration of TCE ranged from non-detect (068-MW-12R, 126-MW-12R, 127-MW-13R) to 400 ppb (124-MW-7R).

Cis-1,2-DCE

Concentrations of cis-1,2-DCE were detected in six of the seven bedrock groundwater samples tested during the initial RI groundwater sampling event, and in six of the seven bedrock groundwater samples tested during the 2016 Supplemental RI groundwater sampling event. The concentration of cis-1,2-DCE exceeded the TOGS standard of 5 ppb in four of the six samples where cis-1,2-DCE was detected during the initial RI groundwater sampling event, and in four of the seven bedrock groundwater samples tested during the 2016 Supplemental RI groundwater sampling event. The concentration of cis-1,2-DCE ranged from non-detect (068-MW-12R and 128-MW-19R) to 543 ppb (124-MW-7R).

Trans-1,2-DCE

Concentrations of trans-1,2-DCE were detected in two of the seven bedrock groundwater samples tested [070-MW-10R and 073-DUP5 (duplicate sample collected from monitoring well MW-3R)] during the initial RI groundwater sampling event; and, in one of the seven bedrock groundwater samples (125-MW-10R) tested during the 2016 Supplemental RI groundwater sampling event. The concentration of trans-1,2-DCE was below the TOGS standard of 5 ppb in the three bedrock groundwater samples where trans-1,2-DCE was detected. The concentration of trans-1,2-DCE ranged from non-detect to 1.8 ppb (070-MW-10R).

Vinyl Chloride

Concentrations of vinyl chloride were detected in two of the seven overburden groundwater samples tested during the initial RI groundwater sampling event, and in two of the seven bedrock groundwater samples tested during the 2016 Supplemental RI groundwater sampling event. The concentration of vinyl chloride exceeded the TOGS standard of 2 ppb in the four samples where vinyl chloride was detected. The concentration of vinyl chloride ranged from non-detect to 314 ppb (125-MW-10R).

Total VOCs and TICs

Concentrations of total VOCs ranged from non-detect (068-MW-12R) to 508.4 ppb (062-MW-7R) during the initial RI groundwater sampling event, and from 0.5 ppb [129-DUP7 (duplicate sample of 128-MW-19R)] to 1,173 ppb (124-MW-7R) during the 2016 Supplemental RI groundwater sampling event. TICs were not detected in the bedrock groundwater samples collected from the seven bedrock monitoring wells.

The concentrations of total CVOCs in the groundwater samples collected from the bedrock monitoring wells were typically less than the total CVOC concentration in the paired overburden monitoring wells. A summary chart is provided below that illustrates that point:

Total CVOC Concentrations in Paired Overburden and Bedrock Monitoring Wells in µg/L				
Groundwater/ Bedrock Well IDs	Initial RI Groundwater Sampling Event		2016 Supplemental RI Groundwater Sampling Event	
	Overburden Well	Bedrock Well	Overburden Well	Bedrock Well
MW-1/MW-1R	116	20.3	158.6	19.3
MW-3/MW-3R	120.7	162.2	22.6	186.8
MW-8/MW-7R	4416.5	508.4	3253	1173
MW-12/MW-12R	153.6	0	79.9	0.3
MW-13/MW-13R	26.3	3.9	NT	0.6
MW-19/MW-19R	37.1	4.4	16.30	0.00

Based on the analytical data, the bedrock groundwater is less impacted than the overburden groundwater, with the exception of locations MW-3/MW-3R.

DNAPL

DNAPL was not detected during either bedrock groundwater sampling event. Based on the maximum concentrations of VOCs detected during the groundwater sampling events

compared to 1% of the water solubility of the contaminants, DNAPL is not suspected to be present in the bedrock groundwater.

SVOCs

As shown on Table 19, SVOCs were not detected in the seven bedrock groundwater samples tested during the initial RI groundwater sampling event.

Total SVOCs and TICs

As shown on Table 19, TICs were not detected in the seven bedrock groundwater samples tested during the initial RI groundwater sampling event.

Metals and Cyanide

As shown on Table 21, various TAL metals were detected in the seven bedrock groundwater samples tested during the initial RI groundwater sampling event. One or more metals were detected at concentrations above TOGS in the seven bedrock groundwater samples tested. These exceedances are discussed below.

Iron

Iron was detected in the seven bedrock groundwater samples tested. The concentrations of iron exceeded the TOGS standard of 0.3 ppm in those seven samples. The concentration of iron ranged from 2.27 ppm (067-MW-19R) to 26.8 ppm (064-MW-13R).

Magnesium

Magnesium was detected in the seven bedrock groundwater samples tested. The concentrations of magnesium exceeded the TOGS guidance value of 35 ppm in those seven samples. The concentration of magnesium ranged from 39.2 ppm (068-MW-12R) to 83.2 ppm (067-MW-19R).

Sodium

Sodium was detected in the seven bedrock groundwater samples tested. The concentrations of sodium exceeded the TOGS standard of 20 ppm in those seven samples. The concentration of sodium ranged from 167 ppm (062-MW-7R) to 550 ppm (067-MW-19R).

Cyanide

As shown on Table 21, cyanide was not detected in the seven bedrock groundwater samples tested.

PCBs and Pesticides

As shown on Table 23, PCBs and pesticides were not detected in the seven bedrock groundwater samples tested.

4.0 PHYSICAL CHARACTERISTICS OF THE SITE

The physical characteristics of the Site and surrounding area (i.e., in relation to a description of the overburden soil, bedrock and groundwater conditions at the Site) are discussed in Sections 4.1 through 4.3 below. Demography, Land Use and Water Use are discussed in Section 4.4.

4.1 Overburden Soil

According to the Monroe County, New York Soil Survey, United States Department of Agriculture Soil Conservation Service, 1973, soils at the Site are listed as urban land (Ub). This listing is applied to areas where it is presumed that disturbance of soils has occurred. The General Soil Map included in this survey indicates that soil associations in the area of the Site are dominated by soils formed in glacial till, which tend to be deep, well to poorly drained, and have moderately coarse textured to medium textured subsoils.

Based on a review of the New York State Geological Survey, "Surficial Geologic Map of New York - Fingerlakes Sheet", E.H. Muller and D.H. Cadwell, 1986, soils in the area of the Site predominantly consist of lacustrine silt and clay that was deposited in pro-glacial lakes.

Test pit logs and test boring logs are included in Appendix E, respectively. A summary of overburden conditions at the Site is provided below.

- Across most of the Site, a layer of heterogeneous historic fill material is present beneath, at, or near the ground surface. No fill material was identified at RI test boring locations TB-H and TB-J. At the remaining RI test locations (surface soil, test borings, wells and test pit), historic fill deposits appear to extend to approximate depths ranging from 0.5 ft. (SS-1 and TP-A) to 7.5 ft. bgs (TB-P), with an average thickness of about 2.9 ft. The fill material generally consists of reworked soils (sand, silt, gravel and clay) with lesser amounts of rock, asphalt, organics/wood, metal, glass, coal, slag, ash, cinders, brick, ceramic, crushed stone, and concrete. Based on an average fill thickness of 2.9 ft. across the approximate 6.4-acre area of the Site (approximate 279,314 SF), it is estimated that 30,173 cubic yards (49,785 tons) of historic fill material is present at the Site. A conversion factor of 1 cubic yard = 1.65 tons was used.

- Indigenous lacustrine deposits, generally encountered beneath the historic fill material, included alternating layers or lenses of brown and gray silts and sands with lesser amounts of intermixed gravels, clays and fractured rock. Occasional clay lenses were observed at some test locations. The lacustrine deposits were occasionally mottled, and also had colors of red, orange, green, and/or black. Soil types generally became coarser with depth (i.e., fine sands transitioned to coarse sands, and amounts

of gravel and fractured rock increased), which may be indicative of an underlying layer of glacial till above the top of bedrock at the Site.

Two geologic cross-sections (A-A' and B-B') were developed for the Site (refer to Figure 14A for plan view), and are included on Figure 14B. These cross-sections illustrate the overburden types and corresponding depths identified in select test boring information from monitoring well locations that were advanced as part of the cumulative studies, including the RI. In addition, the depth to groundwater in the overburden that was measured at respective overburden groundwater monitoring wells on May 23, 2016 was used to infer a groundwater table on these cross-sections.

4.2 Bedrock

Based on a review of a geologic map from the document titled "Subsurface Structure and Stratigraphy of Rochester, New York" dated 1983 by Jolie Lynn Scherzer, as well as review of information in the document titled "New York State Geological Highway Map" dated 1990, bedrock underlying the overburden deposits in the area of the Site consists of Rochester Shale belonging to the Clinton Group, Late (Upper) Silurian Period, Paleozoic Era. A review of a "Subsurface Bedrock Contour Map" for the Rochester East quadrangle dated 1980 by Dr. Richard A. Young indicates that the bedrock in the area of the Site generally slopes to the northwest.

Test boring logs are included in Appendix E. The deeper test borings advanced during this project indicated that the Rochester Shale bedrock is first encountered at depths ranging between approximately 11.5 ft. bgs and 12.5 ft. bgs, which are the depths where auger refusals were encountered. Six test borings later converted into bedrock wells were each advanced approximately 17 ft. into the bedrock (i.e., the first approximately 2.0 ft. were reamed, and the remaining 15.0 ft. were cored at each location). The Rochester Shale encountered primarily consisted of: fine-grained dolomitic mudstone with horizontal micro-line fractures; occasional vertical, angular and multidirectional factures; some fossiliferous lenses and layers; and trace amounts of vugs and weathered lenses. RQD values were determined by measuring and summing each piece of sound rock 10.2 centimeters (4 inches) or longer in length in the core run, and dividing this by the total length of the corresponding core run. Subsequently, this value is multiplied by a factor of 100, which results in a RQD percentage. RQD values ranged between 0% and 98%. In general, RQDs increased to some extent with depth over the approximate 15 foot thick intervals of bedrock that were cored at the six locations.

Table 28 provides the calculated elevations where bedrock was first encountered in select monitoring well locations across the Site. Figure 15 is a Bedrock Contour Map that was prepared based on the bedrock monitoring well boring work completed prior to and during the RI. Based on survey data and depths to where bedrock was encountered, calculated

bedrock elevations ranged between 441.41 ft. (MW-13R) and 439.52 ft. (MW-10R). Figure 15 illustrates that the bedrock on the west side of the Site slopes toward the east, and the remainder of the Site is generally flat with wells MW-1R and MW-10R having the lowest bedrock elevations near the central/northcentral portions of the Site.

4.3 Hydrogeology

Figure 1 (Project Locus Map) presents a portion of the topographic quadrangle that includes the Site. The Site and the surrounding area are generally level, with some gentle downward slope towards north/northwest.

There are no surface water bodies on, or adjoining, the Site. Based on field observations, the majority of the surface water run-off due to precipitation events appears to generally flow off the Site to the south onto the adjoining Balfour Drive ROW or the east onto the adjoining Hollenbeck Street ROW, and ultimately discharges into the public combined sewer system that is regulated by Monroe County.

The Genesee River (a New York State Class B river with best usage designated as primary and secondary contact recreation and fishing, and also designated for possible use for fish propagation and survival) is approximately 2,000 ft. (i.e., 0.4 mile) west of the Site, and flows northerly. No state or federally listed wetlands are located within a half-mile radius of the Site.

Based on the static water levels measured at overburden monitoring wells during the initial RI groundwater sampling event in May-July 2016, the top of the uppermost groundwater table in the overburden on the Site was generally encountered between approximately 7.0 and 10.9 ft. bgs. During the 2016 Supplemental RI groundwater sampling event in September-October 2016, the top of the uppermost groundwater table in the overburden on the Site was generally encountered between approximately 8.5 ft. bgs and 12.5 ft. bgs.

As per the United States Department of the Interior Geological Survey, Water-Resources Investigations Report #87-4122, "Unconsolidated Aquifers in Upstate New York (Finger Lakes Sheet)", a primary water-supply aquifer has not been identified at, or in proximity to, the Site.

A review of a “Generalized Groundwater Contour Map” for the Rochester East quadrangle dated 1980 by Dr. Richard A. Young indicates area-wide groundwater flow in proximity to the Site is northerly, possibly with a westerly component.

Figure 10 and Figure 11 illustrate groundwater flow conditions in the overburden and bedrock at the Site on May 23, 2016, respectively. Figure 12 and Figure 13 illustrate

groundwater flow conditions in the overburden and the bedrock at the Site on September 19, 2016, respectively. The illustrated groundwater flow directions could be affected by variables such as buried utilities, seasonal conditions, or other factors. Groundwater flow conditions for these monitoring events are summarized below.

Overburden

On May 23, 2016, groundwater in the overburden over most of the Site generally flows easterly (Refer to Figure 10).

On September 19, 2016, groundwater in the overburden over most of the Site generally flows easterly (Refer to Figure 12).

Bedrock

On May 23, 2016, groundwater in the bedrock generally flows northerly on the western portion of the Site and northeasterly on the eastern portion of the Site (refer to Figure 11).

On September 19, 2016, groundwater in the bedrock generally flows northeasterly across the Site (Refer to Figure 13).

Based on the groundwater data for May 23, 2016, the average hydraulic gradient across the Site in the overburden was calculated to be 0.003 ft./ft. (between MW-13 and MW-P), and the average hydraulic gradient across the Site in bedrock was calculated to be 0.004 ft./ft. (between MW-19R and MW-12R).

Hydraulic conductivity output graphs for each June 29, 2016 slug-in and slug-out test at overburden wells MW-1 and MW-8, and bedrock wells MW-1R and MW-7R, are included in Appendix I, and the hydraulic conductivities calculated from slug-in and slug-out tests are summarized on Table 4. Based on the values listed in Table 4, the average calculated hydraulic conductivity for overburden in the area of MW-1 was 2.22×10^{-2} centimeter meter per second [(cm/sec), or about 62.9 ft./day]. The average calculated hydraulic conductivity for overburden in the area of MW-8 was 9.34×10^{-4} cm/sec, or about 2.65 ft./day. The average calculated hydraulic conductivity for bedrock at MW-1R was 1.19×10^{-4} cm/sec (about 0.34 ft./day). The average calculated hydraulic conductivity for bedrock at MW-7R was 3.06×10^{-4} cm/sec (about 0.87 ft./day). These hydraulic conductivities are consistent with those typically present in overburden glacial till deposits and dolomitic bedrock as referenced in Groundwater, R. Allan Freeze & John A. Cherry, 1979.

Using the average hydraulic gradient of 0.003 ft./ft., the average hydraulic conductivity of 62.9 ft./day at MW-1, and an estimated porosity of 0.175 for glacial till from the range of values referenced in Groundwater and Wells, F.G. Driscoll, 1989, the seepage velocity of groundwater flow in overburden on the central portion of the Site was calculated to be 1.08 ft./day (about 394.2 ft./year).

Using the average hydraulic gradient of 0.003 ft./ft., the average hydraulic conductivity of 2.65 ft./day at MW-8, and an estimated porosity of 0.175 for glacial till from the range of values referenced in Groundwater and Wells, F.G. Driscoll, 1989, the seepage velocity of groundwater flow in overburden on the northern portion of the Site where CVOCs were detected at the highest concentrations in groundwater was calculated to be 0.05 ft./day (about 18.25 ft./year).

Using the average hydraulic gradient of 0.004 ft./ft., the average hydraulic conductivity of 0.34 ft./day at MW-1R, and an estimated porosity of 0.1 for dolomite from the range of values referenced in Groundwater, R. Allan Freeze & John A. Cherry, 1979, the seepage velocity of groundwater flow in Rochester Shale dolomitic mudstone on the central portion of the Site was calculated to be 0.01 ft./day (about 3.65 ft./year).

Using the average hydraulic gradient of 0.004 ft./ft., the average hydraulic conductivity of 0.87 ft./day at MW-7R, and an estimated porosity of 0.1 for dolomite from the range of values referenced in Groundwater, R. Allan Freeze & John A. Cherry, 1979, the seepage velocity of groundwater flow in Rochester Shale dolomitic mudstone on the northern portion of the Site where CVOCs were detected at the highest concentrations in groundwater was calculated to be 0.03 ft./day (about 10.95 ft./year).

Provided below is a summary chart of groundwater elevations measured in paired overburden and bedrock monitoring wells. There appears to a slight negative vertical hydraulic gradient across a portion of the Site; however, two locations of the Site (in the areas of MW-12/MW-12R and MW-19/MW-19R) have a positive vertical hydraulic gradient (i.e., groundwater may be moving upward from the bedrock groundwater towards the overburden).

Groundwater / Bedrock Well IDs	Overburden Groundwater Elevation (ft. amsl)	Bedrock Groundwater Elevation (ft. amsl)	Calculated Difference between Overburden and Bedrock Groundwater Elevations (ft.)	Vertical Gradient
5/23/2016				
MW-1/MW-1R	443.4	443.04	0.36	Negative
MW-3/MW-3R	443.45	443.27	0.18	Negative
MW-8/MW-7R	443.31	442.94	0.37	Negative
MW-12/MW-12R	442.02	442.69	-0.67	Positive
MW-13/MW-13R	444.08	443.94	0.14	Negative
MW-19/MW-19R	443.82	444.43	-0.61	Positive
9/19/2016				
MW-1/MW-1R	442.08	441.75	0.33	Negative
MW-3/MW-3R	442.03	441.92	0.11	Negative
MW-8/MW-7R	442.06	441.71	0.35	Negative
MW-12/MW-12R	441.27	441.53	-0.26	Positive
MW-13/MW-13R	442.49	442.41	0.08	Negative
MW-19/MW-19R	442.27	442.89	-0.62	Positive

Note: ft. amsl = feet above mean sea level

A review of The Ground Water Resources of Monroe County document (1935) revealed no groundwater supply wells on the Site. One domestic well (designated as #2129) is listed as located on Harris Street, appears to be located greater than 900 ft. southwest of the Site, and the Owner of this well was listed as "Ritter". Information provided shows this drilled well had a 6-inch diameter, was 95 ft. deep, and that Irondequoit Formation bedrock (Gray Shale limestone and dolostone) was encountered at a depth of 14 ft.

4.4 Demography, Land Use and Water Use

The Site is located on the north side of Balfour Drive and west side of Hollenbeck Street in the City of Rochester, County of Monroe, New York. According to the 2010 census listed by the U.S. Census Bureau, the City of Rochester had a population of 210,565. The 2015 estimated population is listed by the U.S. Census Bureau as 209,802.

The Site is bounded to the north by industrial/commercial property (i.e., 285-315 Hollenbeck Street), to the east by Hollenbeck Street followed by residential and commercial properties, to the south by Balfour Drive and the City of Rochester Avenue D Playground with residential and commercial properties beyond, and to the west by City of Rochester-owned vacant commercial land used as a public footpath/bike path, with residential and industrial properties beyond.

The Site is located in the Rochester M-1 Zoning District. It is anticipated that uses of the Site will continue to include light industrial, manufacturing, warehousing and office space, which are listed uses of properties with M-1 zoning.

The Site is located in an urban area that is serviced by a public water system and public sewer system. Chapter 59 (Health and Sanitation), Article III (Nuisances and Sanitation) § 59-27 (Water Supply) of the current Charter and Code of the City of Rochester, New York states groundwater cannot be used as a source of potable water within the city limits.

5.0 CONTAMINANT FATE AND TRANSPORT

This section includes an evaluation of contaminant fate and transport at the Site. The contaminants discussed include those detected in soil/fill or groundwater samples at concentrations exceeding NYSDEC Part 375 USCOs/Protection of Groundwater SCOs/ Industrial Restricted Use SCOs and NYSDEC TOGS 1.1.1 groundwater standards or guidance values (i.e., the Standards, Criteria, and Guidance values [SCGs]). Potential routes of migration, contaminant persistence, and contaminant migration are identified and discussed herein.

5.1 Potential Routes of Migration

Potential routes of contaminant migration identified for this Site include:

- SVOCs in historic fill material and subsurface soil leaching and impacting groundwater through precipitation or direct contact with groundwater;
- SVOCs sorbed to soil and fill particles in locations without suitable cover material could migrate off-site via wind transport;
- Erosion and transport of SVOCs sorbed to soil and fill particles in surface water runoff;
- VOCs and metals migrating in a dissolved groundwater plume;
- VOCs migrating as a vapor in the unsaturated zone;
- Indirect migration pathways (e.g., volatilization to air, transportation on construction equipment/workers, windborne processes, etc.), if the impacted media (e.g., soil, fill material, groundwater) were to be disturbed in the future.

5.2 Contaminant Persistence

The detected contaminants at the Site primarily consist of organic constituents (i.e., VOCs and SVOCs). The persistence of the more frequently detected constituents that exceeded regulatory SCG values is further discussed in this section of the report.

Organic Constituents

The VOCs detected at the Site at concentrations exceeding SCGs predominantly consisted of PCE, TCE, DCE (cis-1,2-DCE and trans-1,2-DCE), and vinyl chloride in groundwater. Also, acetone and benzene were detected above SCGs in one overburden groundwater sample collected during the initial RI groundwater sampling event; and 1,4-dichlorobenzene was also detected above SCGs in one overburden groundwater sample collected during the initial RI groundwater sampling event. The SVOCs benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(k)fluoranthene; chrysene; dibenzo(a,h)anthracene; and,

indeno(1,2,3-cd)pyrene were detected in some soil/fill samples that exceeded SCG values, but were not detected in groundwater samples above SCG values. These SVOCs are likely attributable to combustion byproducts of petroleum fuels or coal, or to the asphalt, coal, cinders or ash identified in heterogeneous historic fill material. PCE and TCE are typically associated with degreasers or solvents; and, DCE products and vinyl chloride are likely breakdown products of the PCE and TCE. The VOCs and SVOCs encountered at the Site biodegrade aerobically and/or anaerobically. Half-lives for constituents commonly detected in soil or groundwater were referenced in the "Handbook of Environmental Degradation Rates", P.H. Howard, et. al, 1991. This reference suggests the DCE, vinyl chloride and acetone, and also the SVOCs, in an aqueous setting will biodegrade faster under aerobic conditions. PCE and TCE in an aqueous setting will biodegrade faster under anaerobic conditions.

As referenced in the "*Handbook of Environmental Degradation Rates*" (1991), the range of specific half-lives for many of the organic constituents commonly detected at the Site in soil are summarized below:

Benzo(a)pyrene: Half-life in soil between 57 days and 529 days.
Benzo(a)anthracene: Half-life in soil between 102 days and 679 days.
Benzo(b)fluoranthene: Half-life in soil between 360 days and 610 days.
Benzo(k)fluoranthene: Half-life in soil between 909 days and 2,139 days.
Chrysene: Half-life in soil between 372 days and 993 days.
Indeno(1,2,3-cd)pyrene: Half-life in soil between 599 days and 730 days.
Dibenzo(a,h)anthracene: Half-life in soil between 361 days and 942 days.

As referenced in the "*Handbook of Environmental Degradation Rates*" (1991), the available range of specific half-lives for many of the organic constituents commonly detected in the groundwater at the Site are summarized below:

PCE: Half-life in groundwater between 365 days and 730 days.
TCE: Half-life in groundwater between 325 days and 1,643 days.
DCE: Half-life in groundwater between 56 days and 2,890 days.
Vinyl Chloride: Half-life in groundwater between 56 days and 2,890 days.
Acetone: Half-life in groundwater 2 days and 14 days.
Benzene: Half-life in groundwater between 10 days and 730 days.
1,4-Dichlorobenzene: Half-life in groundwater between 28 days and 180 days.

The published half-lives likely do not represent actual Site conditions. VOC half-lives in groundwater represent a wide range that are dependent on whether correct groundwater conditions are present to promote biodegradation.

The ATSDR (http://www.atsdr.cdc.gov/substances/index.asp) was referenced to obtain information on some of the VOCs commonly detected at the Site. A summary of information for these VOCs is provided below:

- PCE: PCE can be emitted into the air directly or from soil and water, where it can be degraded by sunlight or fall back to soil or water via precipitation. PCE can biodegrade in soil and groundwater. PCE does not bioaccumulate.
- TCE: TCE can be emitted into the air directly or from soil and water, where it can degrade rapidly. TCE degrades slowly in soil or groundwater. TCE does not bioaccumulate.
- DCE: DCE can be emitted into the air directly or from soil and water. DCE can degrade into vinyl chloride, which is more toxic.
- Vinyl chloride: Vinyl chloride can be emitted into the air directly or from soil and water, where it can degrade rapidly, but sometimes into more toxic compounds. Vinyl chloride does not bioaccumulate.

A summary of information for PAH SVOCs referenced from the ATSDR website is provided below:

- PAHs can occur in air attached to dust particles, and some can evaporate into the air from soil or surface waters.
- PAHs can rapidly break down by reacting with sunlight and other chemicals in the air.
- Most PAHs do not dissolve easily in water, but tend to absorb onto solid particles such as soil.
- Microorganisms can break down PAHs in soil or water in weeks to months. [Note: Actual biodegradation rates of PAHs are typically much slower as evidenced by elevated SVOC concentrations in historic fill material that is decades old.]
- PAH contents of plants and animals can be significantly higher than PAH contents of soil or water in which they live.

In addition to biodegradation, contaminant concentrations in subsurface soil, fill or groundwater would presumably decrease as the distance from the source area is increased due to transport processes such as advection, dispersion, sorption, diffusion, etc. The analytical laboratory test results for samples collected as part of this RI appear to support the presumption that contamination concentrations decrease as the distance from the suspected source areas is increased. For example, during the initial RI groundwater sampling event, the maximum CVOC concentration of 42,975 ppb was detected at MW-5 and the CVOC concentration decreased to 46 ppb at MW-9. MW-9 is located approximately 65 feet northeast (i.e., downgradient) of MW-5. During the 2016 Supplemental RI groundwater sampling event, the maximum CVOC concentration of 3,253 ppb was detected at MW-8 and

the CVOC concentration decreased to 37.9 ppb at MW-9. MW-9 is located approximately 35 feet northwest (i.e,. crossgradient) of MW-8.

The ATSDR internet site was referenced for information on many of the metals that were detected above SCGs in soil and groundwater samples as part of this RI. A summary of information for six of these metals and cyanide is provided below:

Antimony: Antimony can enter the environment through natural sources or industry. Antimony attaches strongly to particles in soil that contain high concentrations of iron, manganese and aluminum.
Iron: No ATSDR information available. (Note: iron is typically considered a naturally occurring metal.)
Magnesium: No ATSDR information available. (Note: magnesium is typically considered a naturally occurring metal.)
Manganese: Manganese can be released to air, soil, and water by manufacturing or industrial operations. Manganese can change form and become attached to or separated from particles in air or soil. In water, manganese typically attaches to particles and settles out into sediments. Soil types and manganese compound types affect the potential and rate of partitioning from soil to groundwater.
Nickel: Nickel is released into the atmosphere by industries that make or use nickel, nickel alloys, or nickel compounds. It is also released into the atmosphere by oil burning power plants, coal-burning power plants, and trash incinerators. Nickel released in industrial waste-water ends up in soil or sediments where it strongly attaches to particles containing iron or manganese. Nickel does not bio-accumulate in fish.
Sodium: No ATSDR information available. (Note: sodium is typically considered a naturally occurring metal.)
Cyanide: Cyanide can be released by natural and manufacturing processes. In air, cyanide is mainly found as gaseous hydrogen cyanide; and a small amount is present as fine dust particles. Cyanide in water does not bio-accumulate in fish. Cyanides are fairly mobile in soil. Some cyanide compounds in soil can form hydrogen cyanide and evaporate. Some cyanide compounds will be transformed into other chemical forms by microorganisms in soil.

Transport processes such as advection, dispersion, sorption, diffusion, etc., can result in decreases in metals concentrations dissolved in groundwater as the distance away from their source is increased.

5.3 Contaminant Migration

PCE, TCE and other VOCs at the Site were likely released into the soil above the groundwater table (i.e., at the ground surface, discharged into former pits in the building, etc.). The PCE/TCE was likely released in the form of pure product or in wastewater associated with the cleaning of equipment. PCE/TCE in soil could then have migrated vertically downward and also laterally via gravity, diffusion, groundwater movement, etc. This is supported by the fact that CVOCs were detected in soil at concentrations exceeding GWSCOs at various locations of the Site, and CVOCs were detected in groundwater at concentrations exceeding TOGS throughout the majority of the Site. Lateral dispersion was likely greater along the fractured rock (i.e., deepest portion of the overburden) overlying the bedrock at the Site. This is supported by the fact that PCE/TCE and related breakdown products were documented in the north portion of the Site, within and to the north of former operations at the Site. Possible upward hydraulic gradients in the bedrock in some areas of the Site in relation to the overlying overburden deposits likely inhibited further downward migration of the VOCs. This is supported by the fact that bedrock groundwater samples from test locations within the suspected locations of the contamination contain lower concentrations of VOCs in relation to the overburden groundwater at the same location (i.e., the concentration of CVOCs in MW-8 during the initial RI groundwater sampling event was 4,416.5 ppb vs 508.4 ppb in MW-7R; and the concentration of CVOCs in MW-8 during the 2016 Supplemental RI groundwater sampling event was 3,252 ppb vs 1,173 ppb in MW-7R).

The lowest concentrations of CVOCs were detected on the property boundaries in the west portion of the Site (i.e., MW-13), the southwest portion of the Site (i.e., MW-19), the east portion of the Site (i.e., MW-P), and the north portion of the Site (i.e., MW-9 and MW-10, located north of the phytoremediation area). Concentrations of CVOCs were also detected on the southeast property boundary (i.e., MW-1); however, CVOCs were not detected in the groundwater sample collected from off-site well ROW-1 in 2014 (refer to Section 3.1.1.1). Groundwater in the overburden over most of the Site generally flows easterly. Based on the groundwater data and the groundwater flow direction; it is possible that CVOC impacts in the overburden groundwater may have migrated off-site to the east and north of the Site. However, based on the analytical data from monitoring well ROW-1, CVOC impacts in the overburden groundwater do not appear to have migrated southeast of the Site. Also, subsequent to the planting of the phytoremediation trees, the average total CVOC concentrations in monitoring wells MW-9 and MW-10 located along the northern property line have decreased (refer to Section 1.4.8). As a result, it appears that the phytoremediation area may be effective in reducing the CVOC contamination in the overburden groundwater.

SVOCs that exceed ISCOs are primarily present in soil and urban fill material, which are located beneath the established turf/grass, crushed stone, or asphalt on the Site. Since the SVOCs are likely sorbed onto the soil and fill particles, it is anticipated that contaminant

migration would be minimal unless the soil or fill are physically disturbed; however, SVOCs sorbed to soil and fill particles in locations without cover material could migrate off-site via wind transport. Also, erosion and transport of SVOCs sorbed to soil and fill particles in surface water runoff is a potential migration pathway.

Metals exceeding TOGS are present in overburden and bedrock groundwater at the Site; however, many of these metals appear to be naturally occurring within the soil, bedrock and groundwater. Metals can migrate within the groundwater and/or attach to soil particles or fractured bedrock within the saturated zone.

5.3.1 Factors Affecting Contaminant Migration

Factors affecting contaminant migration include: groundwater flow; stormwater run-off and infiltration pathways; advection; mechanical dispersion; molecular diffusion; partitioning between air, soil and groundwater; and adsorption of constituents onto soil particles or particles suspended in groundwater.

The type of contamination currently present at the Site generally consists of CVOCs in soil and groundwater, some SVOCs in shallow soil/fill, and some metals in groundwater. In general, the detected CVOCs are more soluble in water than the detected SVOCs and metals; thus, the CVOCs tend to be more mobile in the environment (e.g., migrating through the groundwater and/or vaporizing into the unsaturated zone).

The calculated hydraulic conductivity for overburden at the Site ranged from 9.34 x 10^{-4} cm/sec (about 2.65 ft./day) in the area of MW-8 to 2.22 x 10^{-2} cm/sec (about 62.9 ft./day) in the area of MW-1. The calculated hydraulic conductivity for bedrock at the Site ranged from 1.19 x 10-4 cm/sec (about 0.34 ft./day) in the area of MW-1R to 3.06 x 10-4 cm/sec (about 0.87 ft./day) in the area of MW-7R. The seepage velocity of groundwater flow in overburden on the central portion of the Site was calculated to be 1.08 ft./day (about 394.2 ft/year); and, the seepage velocity of groundwater flow in the overburden on the northern portion of the Site (i.e., location of the highest concentrations of CVOCs in the overburden groundwater) was calculated to be 0.05 ft./day (about 18.25 ft./year). The seepage velocity of groundwater flow in bedrock on the central portion of the Site was calculated to be 0.01 ft./day (about 3.65 ft./year); and, the seepage velocity of groundwater flow in bedrock on the northern portion of the Site was calculated to be 0.03 ft/day (about 10.95 ft/year).

6.0 EXPOSURE ASSESSMENT

An assessment was conducted to evaluate the potential human and wildlife exposure to contaminants identified at the Site.

6.1 Qualitative Human Health Exposure Assessment

A qualitative human health exposure assessment was conducted as part of this project in accordance with the guidelines referenced in the document title "New York State Department of Health Qualitative Human Health Exposure Assessment" that is included as Appendix 3B of DER-10. The purpose of the qualitative human health exposure assessment was to identify the exposure setting and exposure pathways, and evaluate contaminant fate and transport in relation to human health exposure.

An exposure pathway is comprised of the following components:

- A contaminant source;
- Contaminant release and transport mechanisms;
- A point of exposure;
- A route of exposure; and
- A receptor population.

Contaminant Sources

Other than an abandoned UST that was encountered at the Site during the 2017 Supplemental RI investigation, on-going point sources of contamination are not present at the Site. The environmental media listed below are identified as sources of contaminants-of-concern at the Site:

- VOCs, primarily consisting of TCE, cis-1,2-DCE, and vinyl chloride, that are present in soil at concentrations exceeding GWSCOs (refer to Table 8 and Table 9).
- VOCs, primarily consisting of PCE; TCE; cis-1,2-DCE; trans-1,2-DCE; and, vinyl chloride are present in groundwater (refer to Table 16 and Table 17).
- LNAPL (refer to Section 3.2.4.1).
- Some SVOCs in HFM at concentrations exceeding ISCOs (refer to Table 10 and Table 11).
- Some metals in groundwater at concentrations exceeding TOGS (refer to Table 20 and Table 21).

Contaminant Release and Transport Mechanisms

Release and transport mechanisms for known or suspected contaminants-of-concern include:

- SVOCs in soil or fill material leaching and impacting groundwater through precipitation or contact with groundwater;
- SVOCs sorbed to soil and fill particles in locations without cover material via wind transport;
- Erosion and transport of SVOCs sorbed to soil and fill particles in surface water runoff;
- VOCs or metals migrating in a dissolved groundwater plume;
- VOC volatilization from groundwater or soil to soil vapor;
- VOCs migrating as a vapor in the unsaturated soil zone;
- VOC volatilization to air if impacted media are disturbed;
- Transportation of SVOCs in soil or fill on construction equipment/workers, if impacted media are disturbed.

Point of Exposure

Based on previous indoor air investigations completed, indoor air of the Main Building is no longer identified as a potential point of exposure. As discussed in the Construction Completion Report (CCR), (refer to Section 3.1.3), indoor air testing completed in the Main Building has shown that pressure changes have reduced the indoor air concentration of CVOCs. In addition, groundwater is not used for potable consumption or other purposes at, or in the vicinity of, the Site.

Potential future points of exposure include the following:

- Areas of future intrusive work or excavations that come into contact with contaminated soil, fill or groundwater.
- Indoor air of future buildings constructed over soil or groundwater containing VOCs.
- Future groundwater wells used for drinking water, etc. if placed in areas of contaminated groundwater. (Note: Chapter 59, Article III § 59-27 of the current Charter and Code of the City of Rochester, New York (Rochester Charter) states "No person shall use for drinking purposes, or in the preparation of food intended for human consumption, any water except the potable water supply authorized for public use by the City of Rochester").

Routes of Exposure

Under current site conditions and use, inhalation due to vapor migration does not exist as a route of exposure. If contaminated subsurface soil, fill material, or groundwater is disturbed or used in the future, or new buildings are to be constructed, then potential routes of exposure may include inhalation, ingestion, dermal contact, eye contact, and puncture/injection.

Receptor Population

The possible receptor population may include:

- Occupants of future buildings constructed over areas of groundwater containing VOCs on the Site.
- Workers that may disturb contaminated soil or groundwater, as part of their work in the future.
- Occupants of off-site residences and/or workers of off-site businesses constructed over areas of groundwater containing VOCs that have migrated off the Site.
- Occupants of off-site residences and/or workers of off-site businesses constructed over areas of soil vapor containing VOCs that have migrated off the Site.
- Occupants of off-site residences and/or workers of off-site businesses potentially impacted by on-site surface soil/fill material containing sorbed SVOCs that is transported off-site by wind or surface water runoff.
- Future population that may use groundwater that originates from the Site for drinking water, etc. (Note: This would require a change in the Rochester Charter).

Findings

No complete exposure pathway currently exists in relation to the contaminants that have been detected during the investigation. However, the findings of this human health exposure assessment have identified the following potential exposure pathways:

Workers and occupants of the buildings could be exposed under certain conditions to VOCs, SVOCs and metals that are present in subsurface soil, fill, vapor, or groundwater at concentrations exceeding SCG values. Examples of conditions that could lead to exposures include: disturbance of contaminated material; handling of contaminated groundwater, and vapor intrusion of VOCs into future buildings at the Site. The most likely potential routes of exposure include inhalation and dermal contact.

Occupants of off-site residences and/or workers of off-site businesses could be exposed under certain conditions to VOCs and SVOCs that are present in surface soil/fill material,

vapor, or groundwater at concentrations exceeding SCG values. Examples of conditions that could lead to exposures include: contact with or handling of contaminated groundwater, vapor intrusion of VOCs into off-site buildings, and/or contact with subsurface soil/fill material containing sorbed SVOCs that is transported off-site by wind or surface water runoff. The most likely potential routes of exposure include inhalation.

As discussed above, Chapter 59, Article III § 59-27 of the current Charter and Code of the City of Rochester, New York indicates that groundwater cannot be used within the City limits for drinking purposes, or in the preparation of food intended for human consumption. As such, ingestion of groundwater originating from the Site that contains VOCs and some metals is currently not considered a potential exposure pathway.

The findings of this human health exposure assessment have been used in the selection of the recommended remedial alternative for the Site as identified in Section 9.0 of this report.

6.2 Fish and Wildlife Resources Impact Analysis

A copy of a completed Fish and Wildlife Resources Impact Analysis (FWRIA) Decision Key is included as Table 29. The findings of the remedial investigation, and the information provided above, were used to assist in completing the FWRIA Decision Key. The Site is not considered a discharge or spill event, or a point source of contamination to the groundwater. The Site is located in an industrially zoned area. The NYSDEC's Environmental Resources Mapper indicates that the Site is not within an urban area of the City that is identified as a generalized location of animals and plants that are rare in New York State. The various areas of contamination at the Site are considered to be localized and should not migrate onto, or impact surface water. Therefore, it is concluded that a Fish and Wildlife Resources Analysis is not needed.

7.0 REMEDIAL INVESTIGATION CONCLUSIONS

The findings and conclusions of the RI conducted as part of this project are provided in this section of this report. The RI conclusions are based on the cumulative findings of the investigative studies completed at the Site to characterize Site conditions. Table 30 provides a summary of the nature and extent of contamination as determined by the RI.

7.1 AOCs Identified in the RI/FS Workplan

Based on the results of the data and information presented in this RI report, the AOCs identified in the RI/FS workplan were evaluated to determine whether or not these areas should remain AOCs. The results of the evaluation of each AOC are provided below:

- *Former TCE vapor degreaser*: Test boring TB-F was advanced in the location of the former TCE vapor degreaser. Olfactory or visual indications of gross CVOC impacts were not observed during advancement of the test boring. TCE was detected at a concentration exceeding the GWSCO in subsurface soil sample 050-TB-F (4-7). The area of the former TCE vapor degreaser is no longer being identified as an area of concern; however, the presence of TCE in subsurface soil sample 050-TB-F (4-7) at a concentration that exceeds the GWSCO is being identified as a potential secondary source of contamination.
- *The former area of two 3,000 gallon fuel oil USTs*: Test boring TB-N was advanced in the location of the two former 3,000 gallon underground storage tanks. Soil sample 057-TB-N-1 (6-8.5) did not have concentrations of petroleum related VOCs greater than USCOs. The area of the two 3,000 gallon fuel oil USTs is no longer being identified as an area of concern. [Note, during the 2017 Supplemental RI, a 10,000-gallon UST was encountered in the vicinity of the former 3,000 gallon fuel oil USTs. This 10,000 gallon UST contained approximately 6,000-gallons of water (Refer to Section 3.2.2.2.1). Although the NYSDEC has concurred that 10,000 gallon UST is not the source of the CVOC contamination that has been identified at the Site, the presence of the 10,000 gallon UST on the Site is being identified as an area of concern.]
- *The former area of one 6,000 gallon fuel oil UST*: Test boring/overburden monitoring well TB-P/MW-P was advanced/completed in the location of the former 6,000 gallon fuel oil UST. Soil sample 060-TB-P-1 (8-11.8) did not contain concentrations of petroleum related VOCs greater than USCOs. Also, overburden groundwater samples 081-MW-P and 121-MW-P did not have detectable concentrations of petroleum related VOCs. The former area of the 6,000 gallon fuel oil UST is no longer being identified as an area of concern.
- *Assumed location of former acetone tank*: Test boring TB-O was advanced in the assumed location of a former acetone tank. The detectable concentrations of VOCs in

soil sample 058-TB-O-1 (8-11.8) were below USCOs. Acetone was not detected in the soil sample. The assumed location of the former acetone tank is no longer being identified as an area of concern.

- *Assumed location where cleaning solvents were dumped on the ground at 271 Hollenbeck Street*. Test boring TB-O was advanced in the assumed location where cleaning solvents were dumped on the ground at 271 Hollenbeck Street. The detectable concentrations of VOCs in soil sample 058-TB-O-1 (8-11.8) were below USCOs. The assumed location where cleaning solvents were dumped on the ground at 271 Hollenbeck Street is no longer being identified as an area of concern.
- *Railroad tracks/siding formerly located on the Site*: Test pit TP-A, test boring TB-W-1, test boring MW-13R, and historic fill material samples SS-3 and SS-7 were advanced in the assumed locations of the former rail line. Historic fill material sample 104-SS-7 (0-1) had exceedances of ISCOs for SVOCs. Also, subsurface soil sample 054-TB-W-1 (0-4) had a concentration of one PAH SVOC that exceeded ISCOs. Both of these sample locations were beneath approximately 0.5 foot of crushed stone cover system. Historic fill material samples 023-TP-A (0-1) and 002-SS-3 (0-1) did not have concentrations of SVOCs that exceeded ISCOs. Indications of a former railroad tracks/siding were not observed at test boring MW-13R. The railroad tracks/siding formerly located on the Site is no longer being identified as an area of concern; however, the two locations where PAH SVOCs exceeded ISCOs are being identified as areas of concern.
- *Mounded area*: Test Pit TP-A, test boring MW-13R, and historic fill material sample SS-3 were advanced in the mounded area. No visual or olfactory signs of impacts were observed in test pit TP-A, which was advanced to a depth of 5 ft. bgs, and to a length of approximately 23 ft., or in test boring MW-13R which was advanced to a depth of 12.5 ft. bgs before augering. Samples 023-TP-A (0-1) and 002-SS-3 (0-1) did not have concentrations of constituents that exceeded USCOs. The mounded area is no longer being identified as an area of concern.
- *Floor spill/holding tank*: Test borings TB-J, TB-E, and TB-U were advanced to assess the areas near the floor spill/holding tank. Constituents were not detected in soil sample 033-TB-J (6-7) at concentrations above USCOs or GWSCOs. TCE was detected in soil sample 048-TB-E (5-7) at a concentration above GWSCO. Constituents were not detected in soil sample 031-TB-U (7-9) at concentrations above USCOs; however, the concentration of TICs exceeded 10 ppm. The floor spill/holding tank is no longer being identified as an area of concern; however, the presence of TCE in subsurface soil sample 048-TB-E (5-7) at a concentration that exceeds the GWSCO is being identified as a potential secondary source of contamination.
- *Automatic plating area*: Test boring/monitoring well TB-Q/MW-Q was advanced/installed to the south of the automatic plating line. Soil sample 042-TB-Q (10-11) did not have concentrations of constituents that exceeded the GWSCOs or

ISCOs. The overburden groundwater samples 087-MW-Q, 130-MW-Q, and 146-MW-Q had concentrations of cis-1,2-DCE, vinyl chloride, and cyanide that exceeded TOGS. The concentrations of iron and sodium in overburden groundwater samples 087-MW-Q and 130-MW-Q also exceeded TOGS, but these concentrations appear to be due to naturally occurring metals. Test borings TB-FF through TB-KK were advanced in the location of the former Barrel Plating Line. Soil samples 141-TB-FF (10-12), 135-TB-GG (10-12), and 142-TB-HH (11.5-12.5) did not have concentrations of VOCs that exceeded the GWSCOs or ISCOs. Soil sample 136-TB-II (11-12.7) had a concentration of TCE that exceeded the GWSCO, soil sample 139-TB-JJ (11-11.7) had a concentration of cis-1,2-DCE that exceeded the GWSCO, and soil sample 138-TB-KK (10-12) had concentrations of cis-1,2-DCE and vinyl chloride that exceeded the GWSCOs. Overburden groundwater sample 143-MW-FF had concentrations of cis-1,2-DCE, trans-1,2-DCE, TCE, and vinyl chloride that exceeded TOGS. Overburden groundwater sample 145-MW-II had concentrations of cis-1,2-DCE, isopropylbenzene, TCE, and vinyl chloride that exceeded TOGS. The presence of these contaminants (i.e., CVOCs, cyanide) in the automatic plating area may be due to the historical operations in the Main Building. Therefore, the automatic plating area is being identified as an area of concern.

- *Manual plating area*: Test borings TB-V and TB-F were advanced to the east and south of the manual plating area. Soil sample 034-TB-V (9.5-10.5) did not have concentrations of constituents that exceeded the USCOs. Soil sample 050-TB-F (4-7) had a concentration of TCE that exceeded the GWSCO. The manual plating area is no longer being identified as an area of concern; however, the presence of TCE in subsurface soil sample 050-TB-F (4-7) at a concentration that exceeds the GWSCO is being identified as a potential secondary source of contamination.
- *The industrial wastewater pre-treatment plant*: Test borings TB-J, TB-E, and TB-U were advanced to assess the areas near the industrial wastewater pre-treatment plant. Constituents were not detected in soil sample 033-TB-J (6-7) at concentrations above UCOs. TCE was detected in soil sample 048-TB-E (5-7) at a concentration above the GWSCO. Constituents were not detected in soil sample 031-TB-U (7-9) at concentrations above USCOs; however, the concentration of TICs exceeded 10 ppm. A water sample was collected from Sump 2 (i.e., the discharge sump for the wastewater, which was confirmed to discharge to the combined sewer system) and tested for VOCs. The total VOCs in Sump 2 sample was less than the Monroe County guidelines of 2.13 ppm when the parameters typically tested for are added together (i.e., if the sample had been tested using Purgeable Organics Method 624). The industrial wastewater pre-treatment plant is no longer being identified as an area of concern; however, the presence of TCE in subsurface soil sample 048-TB-E (5-7) at a concentration that exceeds the GWSCO is being identified as a potential secondary source of contamination.

- *The interior drum storage areas*: Test boring TB-CC was advanced in the location of the drum storage area. TCE was detected in soil sample 039-TB-CC (9-11.4) at a concentration above GWSCOs. The interior drum storage area is no longer being identified as an area of concern; however, the presence of TCE in subsurface soil sample 039-TB-CC (9-11.4) at a concentration that exceeds the GWSCO is being identified as a potential source of contamination in the primary plume area.
- *Former pad-mounted transformer location*: Test borings TB-W, TB-X, TB-Y, and TB-Z were advanced in the area of the former pad-mounted transformer (Note: a pad-mounted transformer is currently present in this location). Soil samples 054-TB-W-1 (0-4), 027-TB-Y (0.8), 028-TB-Z (0.6), and 029-TB-X (0.8) did not contain concentrations of PCBs that exceeded ISCOs. The former pad-mounted transformer location is no longer being identified as an area of concern.
- O*bserved surface soil area containing elevated TCE concentration*: Historic fill material/test boring/monitoring well TB-H/MW-H was advanced/installed in the location of a historically elevated TCE concentration in surface soil. Surface soil sample 017-TB-H (0-1) had a concentration of TCE that exceeded the GWSCO and subsurface soil sample 053-TB-H-1 (9.2-11.2) had a concentration of vinyl chloride that exceeded the GWSCO. Overburden groundwater sample 074-MW-H had concentrations of TCE; cis-1,2-DCE; and, vinyl chloride that exceeded TOGS. Additionally, the detected concentrations of acetone and benzene in overburden groundwater sample 074-MW-H exceeded TOGS. This area is being identified as a concern because it contains CVOC concentrations in surface and subsurface soil that exceed GWSCOs and in overburden groundwater that exceeds TOGS.
- *Compressor discharge and associated oil-water separator and Sump 1:* Test boring/monitoring well TB-B/MW-B was advanced/installed to assess potential discharges from this location. Soil sample 045-TB-B (4-6) had a concentration of TCE that exceeded the GWSCO. Overburden groundwater sample 092-MW-B had concentrations of CVOCs that exceeded TOGS. A water sample was collected from Sump 1 (confirmed to discharge to the combined sewer system) and tested for VOCs. The total VOCs in Sump 1 sample was less than the Monroe County guidelines of 2.13 ppm when the parameters typically tested for are added together (i.e., if the sample had been tested using Purgeable Organics Method 624). The compressor discharge and associated oil-water separator and Sump 1 are no longer being identified as an area of concern; however, the presence of TCE in subsurface soil sample 045-TB-B (4-6) at a concentration that exceeds the GWSCO, and the concentrations of CVOCs in the overburden groundwater in this area that exceed TOGS, are being identified as a potential secondary source of contamination.
- *Former Toledo Scale Oven Room and Spray Booth*: Test boring TB-K was advanced to assess possible impacts from the former Toledo Scale Oven Room and Spray Booth. Soil sample 035-TB-K (10-11) had non-detectable concentrations of PCBs; however, this soil sample had a concentration of TCE that exceeded the GWSCO and

a total VOC TICs concentration of 25.4 ppm. The former Toledo Scale Oven Room and Spray Booth is no longer being identified as an area of concern; however, the presence of TCE in subsurface soil sample 035-TB-K (10-11) at a concentration that exceeds the GWSCO is being identified as a potential secondary source of contamination.

- *Former oil room (1932 Sanborn Map)*: Test boring TB-S was advanced to assess possible impacts from the former oil room. Soil sample 041-TB-S (6.5-7.5) had concentrations of cis-1,2-DCE and TCE that exceeded the respective GWSCOs. The former oil room is no longer being identified as an area of concern; however, the presence of cis-1,2-DCE and TCE in subsurface soil sample 041-TB-S (6.5-7.5) at concentrations that exceeded GWSCOs is being identified as a potential secondary source of contamination.
- *Location of spillage through wall*: Test boring TB-V was advanced to assess possible impacts from the former spillage through a wall. Soil sample 034-TB-V (9.5-10.5) did not have concentrations of constituents that exceeded the ISCOs. This location of spillage is no longer being identified as an area of concern.
- *Spillage/leakage area*: Test borings TB-AA and TB-BB were advanced to assess possible impacts in the former spillage/leakage area and near location BH-01 (i.e., historic location of potential petroleum impacted soil). Soil sample 037-TB-AA (10-11) did not have concentrations of constituents that exceeded the USCOs. Soil sample 038-TB-BB (9-11) had concentrations of cis-1,2-DCE and vinyl chloride that exceeded the GWSCOs. Also, the concentration of total VOC TICs in the duplicate sample of 038-TB-BB (9-11) [i.e., 036-DUP3 (9-11)] exceeded 10 ppm. The spillage/leakage area is no longer being identified as an area of concern; however, the presence of CVOCs in subsurface soil sample 038-TB-BB (9-11) at concentrations that exceed GWSCOs is being identified as a potential source in the primary plume area.
- *Former Oil & Grease Room near northeast corner of the Main Building*. Test boring TB-I was advanced east of the former Oil & Grease Room. Additionally, test boring TB-DD was advanced within the Former Oil & Grease Room, southwest of a blocked hole (Hole #1) identified during the subsurface utility evaluation. Soil samples 059-TB-I-1 (0-4) and 040-TB-DD (5-7) did not have concentrations of constituents that exceeded the ISCOs. The Former Oil & Grease room is no longer being identified as an area of concern.
- *90-day hazardous waste storage area*: Test boring TB-T was advanced in the area of the 90-day hazardous waste storage area. Soil sample 032-TB-T (11-12) did not have concentrations of constituents that exceeded the USCOs; however, the concentration of total VOC TICs in this soil sample exceeded 10 ppm. The 90-day hazardous waste storage area is no longer being identified as an area of concern for site specific CVOCs.

- *Chemical storage area*: Test boring TB-K was advanced to assess possible impacts from the chemical storage area. Soil sample 035-TB-K (10-11) had a concentration of TCE that exceeded the GWSCO, and a total VOC TICs concentration of 25.4 ppm. The chemical storage area is no longer being identified as an area of concern; however, the presence of TCE in subsurface soil sample 035-TB-K (10-11) at a concentration that exceeds the GWSCO is being identified as a potential secondary source of contamination.
- *Assumed boiler discharge location*: Test boring/monitoring well TB-B/MW-B was advanced/installed to assess potential discharges from this location. Soil sample 045-TB-B (4-6) had a a concentration of TCE that exceeded the GWSCO. Overburden groundwater sample 092-MW-B collected during the initial RI groundwater sampling event had concentrations of CVOCs that exceeded TOGS, and a detectable concentration of ethanol. Overburden groundwater sample 116-MW-B collected during the 2016 Supplemental RI groundwater sampling event had concentrations of CVOCs that exceeded TOGS, but did not have a detectable concentration of ethanol. Other petroleum related compounds were not detected in the groundwater samples collected from monitoring well MW-B. The assumed boiler discharge location is no longer being identified as an area of concern; however, the presence of TCE in subsurface soil sample 045-TB-B (4-6) at a concentration that exceeds the GWSCOs, and the concentrations of CVOCs in the overburden groundwater in this area that exceeds TOGS , are being identified as a potential secondary source of contamination.
- *Observed areas of petroleum impacts including former test pits TP-1, TP-2 and TP-3 and former test boring TB-6, TB-104, BH-01, and BH-04, TB-119, TB-121 and TB-122*. Test borings/monitoring well TB-BB, TB-J, TB-T, TB-V, TB-M/MW-M, TB-N, and TB-R were advanced/installed in the previously observed areas of petroleum impacts, and overburden monitoring well MW-16 is located in an area with previously observed petroleum impacts. Soil samples 033-TB-J (6-7), 032-TB-T (11-12), 034-TB-V(9.5-10.5), 056-TB-M-1 (8-11.7), and 055-TB-R-1 (8-10) did not have concentrations of petroleum related constituents that exceeded the GWSCOs; however, soil samples 032-TB-T (11-12) and 055-TB-R-1 (8-10) had concentrations of total VOC TICs greater than 10 ppm. Soil sample 057-TB-N-1 (6-8.5) had a concentration of TCE that exceeded the GWSCO. Soil sample 038-TB-BB (9-11) had concentrations of cis-1,2-DCE and vinyl chloride that exceeded their respective GWSCOs. Also, the concentration of total VOC TICs in the duplicate sample of 038-TB-BB (9-11) [i.e., 036-DUP3 (9-11)] exceeded 10 ppm. Groundwater samples 076-MW-M (collected during the initial RI groundwater sampling event) and 120-MW-M (collected during the 2016 Supplemental RI groundwater sampling event) did not have concentrations of petroleum related constituents that exceeded TOGS. Groundwater sample 089-MW-16, collected during the initial RI groundwater sampling event, contained a concentration of 1,4-dichlorobenzene that exceeded

TOGS; however, groundwater sample 113-MW-16, collected during the 2016 Supplemental RI groundwater sampling event, did not contain concentrations of petroleum related VOCs above TOGS. The previously observed areas of petroleum impacts are no longer being identified as an area of concern; however, the presence of CVOCs in subsurface soil sample 038-TB-BB (9-11) at concentrations that exceed GWSCOs is being identified as a potential source in the primary plume area. In addition, the presence of TCE in subsurface soil sample 057-TB-N-1 (6-8.5) at a concentration that exceeds the GWSCO is being identified as a potential secondary source of contamination. (Note, the 10,000-gallon abandoned UST encountered during the 2017 Supplemental RI was located in this area [i.e., the previously observed areas of petroleum impacts]. The presence of the abandoned UST at the Site is being identified as an area of concern.)

- *SSV-06 (sub-slab vapor concentration of TCE of 19,200 ug/m3).* Test boring/monitoring wells TB-A, TB-B/MW-B, TB-C, and TB-D/MW-D were advanced/installed in locations in proximity to sub-slab vapor sample SSV-06. Soil samples 044-TB-A (4.5-7.5), 046-TB-C (4-6), and 047-TB-D (9-12) did not contain concentrations of constituents that exceeded the USCOs. Soil sample 045-TB-B (4-6) had a concentration of TCE that exceeded the GWSCO. TCE and cis-1,2-DCE were detected in overburden groundwater samples 088-MW-D (collected during the initial RI groundwater sampling event) and 117-MW-D (collected during the 2016 Supplemental RI groundwater sampling event) at concentrations that exceeded TOGS. TCE, cis-1,2-DCE, and vinyl chloride were detected in overburden groundwater samples 092-MW-B (collected during the initial RI groundwater sampling event) and 116-MW-B (collected during the 2016 Supplemental RI groundwater sampling event) at concentrations that exceeded TOGS. The location of SSV-06 is not being identified as an area of concern; however the presence of TCE in subsurface soil sample 045-TB-B (4-6) at a concentration that exceeds the GWSCO, and the concentrations of CVOCs in the overburden groundwater in this area that exceeds TOGS, are being identified as a potential secondary source of contamination.
- *Drainage system, including floor drains, trenches, roof leader discharges and storm sewers was also identified as an AOC.* Test borings TB-DD and TB-EE were advanced to assess possible impacts associated with drainage systems. Specifically, TB-DD was advanced in the location of a blocked hole (Hole 1) identified in the Former Oil & Grease Room; and, TB-EE was advanced to the west of a blocked sump (Sump 3) located to the northeast of the former TCE degreaser area. Soil sample 040-TB-DD (5-7) did not have constituents above ISCOs. The concentration of benzo(a)pyrene detected in subsurface soil samples 049-TB-EE (1-4) exceeded the Restricted Industrial Soil Cleanup Objective (ISCO). Benzo(a)pyrene was also detected above the ISCO in other sporadic HFM samples collected throughout the Site, so it appears likely that the presence of this contaminant in the soil beneath Sump 3 is related to HFM at this sample location. Evidence of a preferential pathway

was not identified. The drainage systems are not being identified as an area of concern.

7.2 Surface and Subsurface Soil

Human Exposure Surface Soil Samples

There were no exceedances of the ISCOs for VOCs, metals, cyanide, PCBs, and pesticides in the human exposure surface soil samples (refer to Section 3.2.3.1). The only exceedance of ISCOs detected in the human exposure surface soil samples was the concentration of benzo(a)pyrene in human exposure surface soil sample 024-SSE-2 (0-0.18), which is located under established turf/grass. The presence of this SVOC at location SSE-2 is being identified as a human exposure contaminant of concern.

Historic Fill Material (HFM) Surface Soil Samples

There were no exceedances of the ISCOs for VOCs, metals, cyanide, PCBs, and pesticides in the HFM surface soil samples (refer to Section 3.2.3.2). The concentration of methylene chloride and TCE detected in HFM surface soil sample 017-TB-H (0-1) and the concentration of acetone detected in HFM surface soil sample 022-SS-7 (1-2) exceeded GWSCOs. The concentration of TCE in the two groundwater samples collected from MW-H exceeded the TOGS standard, indicating that the presence of TCE in surface soil sample 017-TB-H (0-1) is a potential source of CVOC groundwater contamination at the Site. TCE in soil at this location is being identified as a contaminant of concern. Acetone was not detected at concentrations exceeding TOGS in groundwater samples collected from monitoring wells in proximity of surface soil sample 022-SS-7 (1-2). As a result, acetone in soil at this location is not being identified as a contaminant of concern.

Various SVOCs were detected in the 13 HFM surface soil samples that were collected for analyses from 10 different locations; however, only four of these 13 samples (from 3 locations) contained SVOCs that exceeded ISCOs. Specifically, HFM surface soil sample 012-MW-1R (0-1) contained benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene above ISCOs; HFM surface soil sample 013-SS-9 (0-1) contained benzo(a)pyrene above its ISCO; HFM surface soil sample 022-SS-7 (1-2) contained benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene above ISCOs; and, HFM surface soil sample 104-SS-7 (0-1) contained benzo(a)pyrene above its ISCO. HFM surface soil sample 012-MW-1R (0-1) was collected from beneath pavement; therefore, this location is not being identified as an area of concern. HFM surface soil sample 013-SS-9 (0-1) was located under established turf/grass, and HFM surface soil sample 022-SS-7 (1-2) was located under approximately 0.5 feet of

crushed stone. The presence of SVOCs in the surface soils at these two locations is being identified as a concern.

Subsurface Soil Samples

There were no exceedances of the ISCOs for metals, cyanide, PCBs, and pesticides in the subsurface soil samples (refer to Section 3.2.3.3).

CVOCs in subsurface soil are being identified as contaminants of concern at the Site. The concentrations of VOCs detected in the subsurface soils were below the USCOs, GWSCOs, and ISCOs except for CVOCs (i.e., cis-1,2-DCE, TCE, and/or vinyl chloride) detected in 12 of the subsurface soil samples [i.e., 035-TB-K (10-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 041-TB-S (6.5-7.5), 045-TB-B (4-6), 048-TB-E (5-7), 050-TB-F (4-7), 053-TB-H-1 (9.2-11.2), 057-TB-N-1 (6-8.5), 136-TB-II (11-12.7), 138-TB-KK (10-12), 139-TB-JJ (11-11.7)] which exceeded one or more GWSCOs. The top of the uppermost groundwater table in the overburden on the Site was generally encountered between approximately 7.0 and 10.9 ft. bgs (May-July 2016) and between approximately 8.5 ft. bgs and 12.5 ft. bgs (September-October 2016). Based on the measured depths to groundwater, the soil samples collected from test borings TB-K, TB-BB, TB-CC, TB-H-1, TB-II, TB-KK, and TB-JJ were collected from below the average groundwater elevation (i.e., within the saturated groundwater zone). The presence of these CVOCs in subsurface soil represent a potential source of groundwater contamination.

SVOCs were detected in 13 of the 28 subsurface soil samples tested; however, only two of these soil samples [049-TB-EE (1-4) and 054-TB-W-1 (0-4)] contained an SVOC [benzo(a)pyrene] that had a concentration that exceeded its ISCO. Subsurface soil sample 049-TB-EE (1-4) was collected from beneath a concrete floor slab, therefore this location is not being identified as an area of concern. Subsurface soil sample 054-TB-W-1 (0-4) was located under approximately 0.5 feet of crushed stone. The presence of an SVOC in the subsurface soil at this location is being identified as an area of concern.

7.3 Groundwater

VOCs

Non-Chlorinated VOCs:

Various non-chlorinated VOCs were detected in overburden groundwater at the Site during the groundwater sampling events (refer to Section 3.2.4.1). The detection of non-chlorinated VOCs in the overburden groundwater at the Site was sporadic, and there were exceedances of TOGS in only two of the 22 monitoring wells tested (MW-H and MW-16). Acetone and

benzene concentrations exceeded TOGS in groundwater sample 074-MW-H, collected during the initial RI groundwater sampling event; and, the 1,4-dichlorobenzene concentration in groundwater sample 089-MW-16, collected during the initial RI groundwater sampling event, also exceeded TOGS. These three contaminants were not detected above TOGS in the groundwater samples collected during the 2016 Supplemental RI groundwater sampling event and during the 2017 Supplemental RI groundwater sampling event. Based on the information presented above, non-chlorinated VOCs are not being identified as contaminants of concern in overburden groundwater at the Site; and, remediation for non-chlorinated VOCs is not warranted because the exceedances of TOGS were sporadic (i.e., limited to only two overburden monitoring wells in the initial RI groundwater sampling event).

Non-chlorinated VOCs were also detected in bedrock groundwater at the Site during both groundwater sampling events (refer to Section 3.2.4.2); however, the detected concentrations of non-chlorinated VOCs in bedrock groundwater did not exceed TOGS. As a result, non-chlorinated VOCs in bedrock groundwater are not being identified as a contaminant of concern at the Site.

CVOCs:

CVOCs in overburden and bedrock groundwater are being identified as contaminants of concern at the Site (refer to Sections 3.2.4.1 and 3.2.4.2) that require remediation.

The CVOCs that are specifically being identified as contaminants of concern in the overburden and bedrock groundwater at the Site are listed below:

- PCE
- TCE
- Cis-1,2-DCE
- Trans-1,2-DCE
- Vinyl chloride

CVOCs are present in overburden and bedrock groundwater at concentrations exceeding TOGS. Based on the work completed as part of the RI and the two Supplemental RIs, there appears to be a primary plume area in the overburden groundwater in the vicinity of MW-5 that contains the greatest concentration of CVOCs. In addition, there appears to be multiple secondary sources of CVOC contamination in overburden groundwater both upgradient and crossgradient of the primary plume area (i.e., test borings TB-K, TB-S, TB-B, TB-E, TB-F, TB-H, and TB-N). Individually these multiple secondary source areas have lower CVOC concentrations but the cumulative effect could be significant (refer to Figures 7A, 7B, 7C, 8A, and 8B). These conclusions are consistent with the groundwater investigations completed previous to the RI (refer to Section 1.4). As shown on Table 16, Table 17, and the

figures, CVOC concentrations greater than TOGS are present in the overburden and bedrock groundwater across the Site. The highest concentration of total CVOCs detected during the RI in the overburden groundwater at the Site was at monitoring well MW-5 (42,975 ppb), which also had the highest detected concentration of cis-1,2-DCE (40,500 ppb). The highest concentrations of TCE (286 ppb) and trans-1,2-DCE (30.8 ppb) detected during the RI in the overburden groundwater at the Site were detected at monitoring well MW-16, which is centrally located in the Main Building. The highest concentration of PCE (18.5 ppb) detected during the RI in the overburden groundwater at the Site was detected at monitoring well MW-P, which is to the east of the Hollenbeck Building. The highest concentration of vinyl chloride (3,880 ppb) detected during the RI in the overburden groundwater at the Site was detected at monitoring well MW-FF, which is located in the northern portion of the Main Building. The highest concentration of CVOCs in the bedrock groundwater at the Site was in bedrock monitoring well MW-7R, located closest to overburden monitoring wells MW-5 and MW-8. The CVOC concentration in bedrock monitoring well MW-7R was 1,173 ppb during the 2016 Supplemental RI groundwater sampling event, and it also contained the highest detected concentration of cis-1,2-DCE (543 ppb) and TCE (400 ppb). The highest concentration of PCE (5 ppb) in the bedrock groundwater at the Site was detected at monitoring well MW-3R, and the highest concentration of vinyl chloride (314 ppb) in the bedrock groundwater at the Site was detected at monitoring well MW-10R. TCE was detected in 86% of the bedrock wells sampled in the initial RI groundwater sampling event and in 57% of the bedrock wells sampled in the 2016 Supplemental RI groundwater sampling event; however, TCE only exceeded the TOGS standard of 5 ppb in 43% of the bedrock wells sampled in the initial RI groundwater sampling event and in 43% of the bedrock wells sampled in the 2016 Supplemental RI groundwater sampling event.

LNAPL

LNAPL was detected at monitoring well MW-17 at an approximate thickness of 0.05 ft. during the initial RI groundwater sampling event, and at an approximate thickness of 0.01 ft. during the 2016 Supplemental RI groundwater sampling event. A groundwater sample collected from monitoring well MW-17 had TPH, identified as #2 Fuel Oil. The presence of LNAPL is being identified as a contaminant of concern.

DNAPL

DNAPL was not detected during the RI groundwater sampling events.

SVOCs

SVOCs were not detected at concentrations that exceeded TOGS in either overburden groundwater or bedrock groundwater (refer to Sections 3.2.4.1 and 3.2.4.2). Based on the analytical results, SVOCs in overburden and bedrock groundwater are not being identified as contaminants of concern at the Site.

Metals and Cyanide:

Metals were detected at concentrations that exceeded TOGS in both overburden and bedrock groundwater (refer to Sections 3.2.4.1 and 3.2.4.2). The metals that exceeded TOGS were either attributable to naturally occurring metals (i.e., sodium, magnesium, iron, etc.), or were only detected sporadically at the Site (e.g., in only one or two locations). Based on the analytical results, metals are being identified as contaminants of concern in groundwater at the Site.

Cyanide was detected above TOGS in the samples collected from monitoring well MW-Q during the three groundwater sampling events (refer to Section 3.2.4.1). The concentrations of cyanide in the groundwater samples collected from MW-Q ranged from 0.257 µg/L to 0.738 µg/L. Based on the analytical results, cyanide is being identified as a contaminant of concern in groundwater at MW-Q.

PCBs and Pesticides:

PCBs and pesticides were not detected in the overburden and the bedrock groundwater samples that were tested. Based on the analytical results, PCBs and pesticides in overburden groundwater and bedrock groundwater are not being identified as contaminants of concern at the Site.

7.4 Conceptual Site Model (CSM)

The CSM presented in this section is a refinement of the CSM developed in the RI/FS workplan, which was based on the previous environmental studies summarized in Sections 1.4. The CSM presented in this section identifies and describes the following:

- The known or potential sources of contamination.
- The types of contaminants and affected media
- Release mechanisms and potential migration pathways
- Actual / potential human health and environmental pathways
- Extent of groundwater contamination on-Site, and the potential for off-Site migration of CVOCs

The Site is described in Section 1.2. The key structures and Site features are listed below:

- A single two-story concrete block Main Building covering approximately 134,000 square feet. There are two metal buildings attached to the Main Building. The Main Building and attached metal buildings are used for manufacturing operations (e.g., electroplating, metal stamping).
- A separate building located at 245-265 Hollenbeck Street that is used for storage.
- A parking lot at 50 Balfour Drive.
- A gravel roadway at 271 Hollenbeck Street.
- The Site is serviced by the public water supply system and the public sewer system. The buildings at the Site are currently heated with natural gas.
- A Site security system consisting of:
    - A perimeter fence;
    - An electronically controlled entrance gate;
    - A building access control system; and
    - Security cameras.

The remainder of the site is covered with vegetation, primarily grass and trees, with a portion of the Site north of the Main Building that has a stone cover system. The Site is generally level and the land surface slopes gently to the east. There is one elongated mounded area covered with vegetation (i.e., grass) along the western portion of the Site.

The Site was vacant land until the initial portion of the existing Main Building was constructed in 1923. As discussed in Section 1.3, the Site has been used for a variety of manufacturing operations, including printing, electroplating, tool and die, metal stamping, and welding. The types of chemicals that have been used at the Site include lubricating and cutting oils, acids, alkalis, zinc and cyanide. TCE was also used at the Site in the past but disposal records indicate that TCE was last used at the Site about 1992.

As shown on Figure 2, there is a former main railroad line adjacent to the western boundary of the site. Spur tracks that were once located on the Site formed a siding that connected to the former main railroad line located on the western boundary of the Site. These spur tracks and the tracks of the main railroad line have been removed. The former main railroad line is now part of the Genesee Riverway Trail.

The 271 Hollenbeck Street property is vacant following a fire that destroyed the building at that property sometime between 1992 and 1998.

Some current and former Site condition features shown on Figure 2 are identified below.

- Property and approximate site boundaries.
- Main Building and attached metal buildings at 50 Balfour Drive.
- Storage building at 245-265 Hollenbeck Street.
- Former railroad tracks/siding.
- Various current and former operations within the building at 50 Balfour Drive.

Current manufacturing operations (e.g., electroplating, metal stamping) are expected to continue at the Site for the foreseeable future.

The remainder of this CSM addresses the following issues:

- Subsurface Conditions and Hydrogeology
- Potential Sources of Site-Related Constituents
- Potential Current and Future Exposure Pathways
- Extent of groundwater contamination on-Site, and the potential for off-Site migration of CVOCs
- Potential Human and Environmental Receptors

7.4.1 Subsurface Conditions and Hydrogeology

Information collected during the installation of soil borings advanced across the Site during the RI identified a layer of fill material consisting of reworked soils (sand, silt, gravel, and clay) with lesser amounts of rock, asphalt, organics/wood, metal, glass, coal, slag, ash, cinders, brick, ceramic, crushed stone, and concrete. Native materials encountered beneath the fill material consisted of alternating layers or lenses of brown and gray silts and sands with lesser amounts of intermixed gravels, clays and fractured rock, with occasional clay lenses at some locations. Soil types generally became coarser with depth. Groundwater flow in the overburden was measured to be to the east for the majority of the Site, based on measurements taken on May 23, 2016 and September 19, 2016. Bedrock (i.e., Rochester Shale) was identified at depths ranging between 11.5 and 12.5 ft. bgs based on auger refusal. The groundwater flow direction in the bedrock was measured to the northeast, based on measurements taken on May 23, 2016 and September 19, 2016.

There are no surface water bodies on, or adjoining, the Site. The majority of the surface water run-off due to precipitation events appears to generally flow off the Site to the south onto the adjoining Balfour Drive ROW or the east onto the adjoining Hollenbeck Street ROW, and ultimately discharges into the public combined sewer system.

The calculated hydraulic conductivity for overburden at the Site ranged from 9.34×10^{-4} cm/sec (about 2.65 ft./day) in the area of MW-8 to 2.22×10^{-2} cm/sec (about 62.9 ft./day) in the area of MW-1. The calculated hydraulic conductivity for bedrock at the Site ranged from

1.19 x 10^{-4} cm/sec (about 0.34 ft./day) in the area of MW-1R to 3.06 x 10^{-4} cm/sec (about 0.87 ft./day) in the area of MW-7R. The seepage velocity of groundwater flow in overburden on the central portion of the Site was calculated to be 1.08 ft./day (about 394.2 ft/year) and the seepage velocity of groundwater flow in overburden on the northern portion of the Site (i.e., location of highest concentrations of CVOCs in overburden groundwater) was calculated to be 0.05 ft./day (about 18.25 ft./year). The seepage velocity of groundwater flow in bedrock on the central portion of the Site was calculated to be 0.01 ft./day (about 3.65 ft./year) and the seepage velocity of groundwater flow in bedrock on the northern portion of the Site was calculated to be 0.03 ft/day (about 10.95 ft/year).

7.4.2 Potential Sources of Site-Related Constituents

This CSM is based on historic documentation regarding use of the Site, the findings of previous studies conducted at the Site, and the findings of the current RI. Known or suspected sources of Site-related constituents detected in environmental media at the Site, including a summary of the petroleum and CVOC constituents present in Site soil and groundwater, is presented below.

Chlorinated Volatile Organic Compounds (CVOCs)

CVOCs associated with some of the manufacturing operations formerly conducted at the Site in the past within the Main Building have been detected in soil and groundwater samples collected at the Site since 1997. Current operations at the Site do not use the CVOC constituents that have been detected in environmental media at the Site, and these CVOC constituents have not been used at the Site since at least 1992. The CVOCs identified are similar to those identified in previous environmental studies, with the exception of increased concentrations of cis-1,2-DCE and vinyl chloride to the north of the Main Building, possibly resulting from the biostimulation evaluation conducted at the Site in about 2009.

Based on the work completed as part of the RI and the two Supplemental RIs, there appears to be a primary plume area in the overburden groundwater in the vicinity of MW-5 that contains the greatest concentration of CVOCs. In addition, there appears to be multiple secondary sources of CVOC contamination in overburden groundwater both upgradient and crossgradient of the primary plume area (i.e., test borings TB-K, TB-S, TB-B, TB-E, TB-F, TB-H, and TB-N). Individually these multiple secondary source areas have lower CVOC concentrations but the cumulative effect could be significant (refer to Figures 7A, 7B, 7C, 8A, and 8B).

Petroleum Constituents

Two 3,000 gallon fuel oil USTs and one 6,000 gallon UST were installed at the Site in 1974 during a natural gas shortage. The two 3,000 gallon USTs were formerly located immediately west of the boiler room (i.e., in the courtyard area located north of the Main Building) and were removed sometime between 1980 and 1985. The 6,000-gallon fuel oil UST was installed east of the building located on the 245-265 Hollenbeck Street portion of the Site and was removed in 2002. DAY representatives provided a summary of information to the NYSDEC to support the position that the approximate 10,000-gallon UST located in the north courtyard of the Site was formerly used to store fuel oil, and did not contain chlorinated solvents. A response was received from the NYSDEC, agreeing that the 10,000-gallon UST does not appear to be a source of CVOC contamination at the Site (refer to Section 3.2.2.2.1).

This RI did not identify petroleum constituents above ISCOs or TOGS with the exception of acetone and benzene detected in overburden groundwater sample 074-MW-H; and, 1,4-dichlorobenzene detected in overburden groundwater sample 089-MW-16. LNAPL was identified at overburden monitoring well MW-17 at an approximate thickness of 0.05 ft. during the initial RI groundwater sampling event and at an approximate thickness of 0.01 ft. during the 2016 Supplemental RI groundwater sampling event. A sample of the LNAPL was collected and submitted to Spectrum for testing of TPH and VOCs. Note: insufficient sample was available to complete TPH analysis on the non-aqueous portion of the sample, therefore, the TPH analysis was completed on the aqueous portion of the sample. TPH, identified as #2 Fuel Oil, was detected in the aqueous portion of the sample at a concentration of 229 µg/l. VOCs were detected in the non-aqueous portion of the sample, but the detected concentrations were below TOGS.

7.4.3 Potential Current and Future Exposure Pathways

Potential release mechanisms and migration pathways for Site-related constituents include one or more of the following:

- Volatilization from impacted soil and/or groundwater into the soil vapor that collects beneath the floor slab of the existing buildings at the Site and potentially discharges into the indoor air. Note, based on the indoor air and sub-slab vapor sampling work completed to date, this pathway is not currently being identified as a concern (refer to the CCR provided in Appendix B).
- Direct contact with fill material that is disturbed at the Site.
- Migration horizontally and vertically through the overburden soil, bedrock, or groundwater.
- Migration along impermeable subsurface layers (e.g., bedrock).

These potential exposure pathways were evaluated during the RI scope of work; as well as, during the SVI work completed at the Site, which was summarized in the CCR (refer to Appendix B).

7.4.4 Extent of Groundwater Contamination On-Site and Off-Site

CVOC impacts exceeding TOGS standards were identified in one of the three overburden groundwater samples tested in the Perimeter Off-Site Soil Vapor and Groundwater Evaluation. CVOC impacts exceeding TOGS standards were identified in all 20 overburden groundwater samples tested in the initial RI groundwater sampling event, in 18 of the 19 overburden groundwater samples tested in the 2016 Supplemental RI groundwater sampling event, and in six of the seven overburden groundwater samples tested in the 2017 Supplemental RI groundwater sampling event. The highest concentrations of CVOCs in the overburden groundwater are located in the north portion of the Site, specifically in the area of MW-5, MW-FF, and MW-8 (i.e., south of the phytoremediation area). The lowest concentrations of CVOCs were detected on the property boundaries in the west portion of the Site (i.e., MW-13), the southwest portion of the Site (i.e., MW-19), the east portion of the Site (i.e., MW-P), and the north portion of the Site (i.e., MW-9 and MW-10, located north of the phytoremediation area). Higher concentrations of CVOCs were detected on the southeast property boundary (i.e., MW-1); however, CVOCs were not detected in the groundwater sample collected from off-site well ROW-1 (refer to Section 3.1.1.1). Groundwater in the overburden over most of the Site generally flows easterly. Based on the groundwater data and the groundwater flow direction, it is possible that CVOC impacts in the overburden groundwater may have migrated off-site to the east and north of the Site. However, based on the analytical data from monitoring well ROW-1, CVOC impacts in the overburden groundwater do not appear to have migrated southeast of the Site. Also, subsequent to the planting of the phytoremediation trees, the average total CVOC concentrations in monitoring well MW-9 and MW-10, located along the northern property line, have decreased (refer to Section 1.4.8). As a result, it appears that the phytoremediation area may be effective in reducing the CVOC contamination in the overburden groundwater.

CVOC impacts exceeding TOGS standards were identified in four of the seven bedrock groundwater samples tested in the initial RI groundwater sampling event and in the 2016 Supplemental RI groundwater sampling event. The highest concentrations of CVOCs in the bedrock groundwater are located in the north portion of the Site, specifically in MW-7R and MW-10R. Groundwater in the bedrock over most of the Site generally flows northeasterly. Based on the groundwater data and the groundwater flow, it is possible that CVOC impacts in the bedrock groundwater have migrated to the north of the Site (i.e., based on the CVOC concentrations in monitoring well MW-10R). Also, CVOCs were detected in monitoring well MW-1R located on the southeast portion of the Site at concentrations exceeding TOGS. Based on the analytical data from monitoring well MW-12R, MW-13R, and MW-19R,

CVOC impacts in the bedrock groundwater do not appear to have migrated to the east, west, or southwest of the Site.

7.4.5 Potential Current Human and Environmental Receptors

Most of the Site is covered with a 134,000-square foot, two-story building with isolated parking and landscape areas on the eastern, western and southern sides of the building, and a gravel roadway on the northern side of the property (i.e., across the 271 Hollenbeck Street property). Access to the exterior portion of the Site is restricted by a perimeter fence and security cameras. As a result, direct contact of human receptors to any exposed environmental media (e.g., soil) containing Site-related constituents is unlikely. There is a potential that off-site migration of Site-related constituents could impact environmental and/or human receptors via the groundwater. Potential impacts from soil vapor and indoor air have been characterized through soil vapor and indoor air studies that have already been completed at the Site, and the results of these studies have already been submitted to NYSDEC.

Preferential pathways were not identified during the subsurface utility assessment and RI scope of work. Active sumps, interior catch basins, etc. were determined to discharge to the combined sewer system.

8.0 REMEDIAL GOALS, OBJECTIVES, CONSIDERATION FACTORS, AND EVALUATION CRITERIA

Remedial goals, objectives and other factors considered are provided in this section of the RI/FS report.

8.1 Cleanup Goals

NYSDEC standards, criteria and guidance (SCG) values to allow for unrestricted, restricted commercial and restricted industrial of the Site use are considered in conjunction with protection of groundwater SCOs in this FS. The SCG values assist in defining the extent of contamination requiring remediation, and are also used to evaluate the potential effectiveness of a remedy. The SCG values for soil and groundwater used for this FS are provided below.

- Analytical laboratory results for groundwater were compared to TOGS.
- Analytical laboratory results for surface soil and fill material were compared to USCOs, GWSCOs, CSCOs, and ISCOs.
- Analytical laboratory results for subsurface soil and fill material were compared to USCOs, GWSCOs, and ISCOs.

8.2 Remedial Action Objectives

Remedial Action Objectives (RAOs) are medium-specific objectives for the protection of human health and the environment. RAOs for this RI are as follows:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

RAOs for Environmental Protection

- Restore groundwater aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Prevent the discharge of contaminants to surface water.
- Remove the source of groundwater contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure from, contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Prevent impacts to biota from ingestion/direct contact with soil causing toxicity or impacts from bioaccumulation through the terrestrial food chain.

Soil Vapor

RAO for Public Health Protection

- Mitigate impacts to public health and on-site receptors resulting from existing, or potential, soil vapor intrusion into the on-site building or soil vapor migration off-site.

NAPL

RAOs for Public Health Protection

- Prevent ingestion/direct contact with NAPL.
- Prevent inhalation of, or exposure from, contaminants volatilizing from NAPL.

RAOs for Environmental Protection

- Prevent migration of NAPL that would result in further groundwater contamination.
- Prevent impacts to biota from ingestion/direct contact with NAPL causing toxicity or impacts from bioaccumulation through the terrestrial food chain.

8.3 Other Factors for Consideration

For this project, the following additional considerations were evaluated during the development of remedial alternatives:

- Eliminate or mitigate threats to public health and the environment.
- Address source areas of contamination using the following hierarchy in order of preference:
  - Removal and/or treatment;
  - Containment;
  - Elimination of exposure; and
  - Treatment of source at point of exposure.

- Protect groundwater using the following hierarchy in order of preference:
  - Source removal, treatment, or control;
  - Restoration of groundwater quality to meet applicable SCG values to the extent practicable; and
  - Plume containment/stabilization.

8.4 Contaminants of Concern

The contaminants of concern requiring remediation at the Site are identified in Section 7.0 of this report.

8.5 Development of Remediation Criteria

In order to evaluate the effectiveness of remedial alternatives for this Site, the following threshold criteria and primary balancing criteria were developed in accordance with the provisions set forth in DER-10. The threshold criteria (protection of human health and the environment, and compliance with SCGs) must be satisfied in order for an alternative to be considered for selection. The subsequent primary balancing criteria are used to compare the positive and negative aspects of each remedial alternative that meets the threshold criteria:

- Protection of Human Health and the Environment: This criterion is an evaluation of the remedy's ability to protect public health and the environment, and assesses how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, engineering controls or institutional controls. The remedy's ability to achieve each of the RAOs is evaluated.
- Compliance with Standards, Criteria and Guidance Values (SCGs): Compliance with SCG values addresses whether or not a remedy will meet applicable environmental laws, regulations, standards, and guidance.
- Long-Term Effectiveness and Permanence: This criterion evaluates the long-term effectiveness of the remedy after implementation. If wastes or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated:
  - Whether residual contamination will pose significant threats, exposure pathways, or risks to the community and environment;
  - The adequacy of the engineering and institutional controls intended to limit the risk;
  - The reliability of these controls; and,
  - The ability of the remedy to continue to meet RAOs in the future.

- Reduction of Toxicity, Mobility and Volume: The remedy's ability to reduce the toxicity, mobility or volume of site contamination is evaluated. Preference is given to remedies that permanently and significantly reduce the toxicity, mobility or volume of the wastes at the Site.
- Short-Term Impacts and Effectiveness: The potential short-term adverse impacts and risks of the remedy upon the community, the workers and the environment during its construction and/or its implementation are evaluated. This includes identification of short-term adverse impacts and health risks, the effectiveness of any engineering controls, and the length of time needed to achieve the remedial objectives.
- Implementability: The technical and administrative feasibility of implementing the remedy is evaluated. Technical feasibility includes the difficulties associated with the construction and the ability to monitor the effectiveness of the remedy. Administrative feasibility includes the availability of the necessary personnel and material, the evaluation of potential difficulties in obtaining specific operating approvals, access for construction, etc.
- Land Use: This criterion is intended to evaluate the remedial alternatives in relation to the planned future use of the Site.
- Cost Effectiveness: Capital, operation, maintenance and monitoring costs are estimated for the remedy and presented on a present worth basis. A remedy is cost effective if its costs are proportional to its overall effectiveness.
- Green Remediation: This criterion is intended to evaluate the environmental effects and potential environmental footprint of the remedial alternatives. Green remediation focuses on maximizing the net environmental benefit of cleanup, while persevering remedy effectiveness and protection of human health and the environment.
- Community Acceptance. This criterion is intended to select a remedial alternative that is acceptable to the community. Fact sheets will be provided to the public when various milestones associated with the project have been reached, which in part gives notice of the availability of the project documents for review at a public document repository as the project progresses. As such, community acceptance is not evaluated or discussed in this report.

8.6 General Response Actions

General response actions (GRAs) are medium-specific types of actions to address the RAOs. GRAs were identified to address soil, historic fill material, soil vapor, NAPL, overburden groundwater and bedrock groundwater. GRAs identified for the various media, based on the RAOs established herein, are summarized below:

- No Further Action.
- Institutional Controls
- Natural Attenuation
- In-Situ Containment/Control
- In-situ Treatment
- Removal and Treatment/Disposal

8.7 Identification and Preliminary Screening of Technologies

Potentially applicable remedial alternatives identified for each GRA were preliminarily screened on the basis of technical implementability. As the preliminary screening criteria, technical implementability was evaluated considering current site improvements in conjunction with site characterization data collected during the remedial investigation to eliminate remedial alternatives that could not effectively be implemented at the Site.

8.7.1 Surface Soils

As presented in Section 6.1, complete exposure pathways exist for human exposure to limited areas of surface soil. Maintaining the existing partial site cover system meeting DER-10 specifications (i.e., impermeable covers, documented top foot of surface soils meeting applicable SCOs, etc.) at the Site, and installing a protective cap and/or fencing with appropriate signage [e.g., Do Not Enter - Authorized Personnel Only], in areas at the Site where complete exposure pathways exist, would achieve the established RAOs for surface soil. As a result, engineering controls for surface soil will be retained throughout the screening process and included in each alternative, except the alternative in which the Site is remediated to unrestricted use. Using the information collected during the RI, it is estimated that approximately 2,572 ft^2 of surface soil needs a protective cap or fencing to meet the SCGs for industrial use, and approximately 16,608 ft^2 (2,572 ft^2 + 14,036 ft^2) of surface soil needs a protective cap or fencing to meet the SCGs for restricted commercial use (refer to Figure 16). The unrestricted use alternative assumes that surface soil containing a constituent above its applicable standard would be excavated and disposed off-site in accordance with applicable regulations. Screening of additional technology types and process options for surface soils is thereby not necessary in that case.

8.7.2 Subsurface Soil/Fill Material

The remedial technologies discussed below were identified to address the GRAs identified for subsurface soils. Using the information collected during the RI, it is estimated that approximately 62,352 cubic feet (assumes a treatment area of approximately 10,392 ft^2 by 6 ft of impacted zone, refer to Figure 16) of subsurface soil needs to be addressed to meet the SCGs in the MW-5 area. It is estimated that an additional approximately 87,615 cubic feet

(assumes a cumulative treatment area of 9,735 ft^2 by 9 ft of impacted zone, refer to Figure 16) of subsurface soil needs to be addressed to meet the protection of groundwater SCGs, referred to herein as secondary source areas. Also, it is estimated that approximately 1,260,460 cubic feet (assumes 279,314 ft^2 [entire area of Site, or approximately 6.4 acres] of fill to a depth of 2.9 ft, and an assumed impacted subsurface soil area of 52,994 ft^2 that has a thickness of 8.5 ft, refer to Figure 17) of soil/fill material needs to be remediated to meet the SCGs for unrestricted use.

- No Further Action: No additional remedial measures would be implemented to address impacted subsurface soil/fill material.

- Institutional Controls: Remedial technologies associated with this GRA consist of non-intrusive administrative controls focused on minimizing contact with impacted subsurface soils/fill materials. Institutional controls evaluated under the preliminary screening step included land use restrictions in the form of environmental easements.

- In-Situ Containment/Control: Remedial technologies associated with this GRA include addressing the mobility and/or exposure to impacted subsurface soil without physical removal from the ground surface. Remedial technologies evaluated under the preliminary screening process consisted of capping and containment.

  Note, solidification/stabilization is a process whereby contaminated soils are converted in-place into a stable matrix that reduces the mobility of COCs. Solidification/stabilization requires the injection and mixing of soils with a solidification agent. Considering the depth and location of the contamination (below and immediately adjacent to the on-site building with multiple below-grade infrastructure concerns), and the likely need for dewatering, this technology is being eliminated from further consideration due to its difficulty of implementation.

- In-Situ Treatment: Remedial technologies associated with this GRA involve treating impacted subsurface soil without physical removal. Remedial technologies evaluated for the Site under the preliminary screening process included soil vapor extraction, chemical oxidation, bioremediation and phytoremediation.

  Note, a significant portion of the area requiring treatment is covered by the existing building requiring injection of a chemical oxidant to be completed below the building slab and in proximity to sub-grade utilities. Typically, the chemical reaction between COC and the oxidizing reagent is exothermic and can compromise below-grade utility integrity if incompatible materials exist. As such, chemical oxidation is being eliminated from further consideration due to implementability for those remedial alternatives in which building demolition/removal of subgrade utilities are not

included. Chemical oxidation will be retained for the unrestricted use alternative since this alternative assumes the building and associated below-grade utilities will be removed prior to remedial alternative implementation.

- Removal and Treatment/Disposal: Remedial technologies associated with this GRA rely on physical removal of the soil from the ground followed by treatment or disposal. The implementability of this remedial technology is dependent on the alternative being evaluated. The unrestricted use alternative assumes the building would be removed, allowing physical removal of impacted soil/fill a technically feasible and implementable alternative. As such, the representative remedial technologies evaluated for the unrestricted use remedial alternative was removal with off-site disposal or off-site thermal desorption and reuse. The remaining remedial alternatives assume that the building will remain in place, occupied, and operational. Physical removal of soil/fill within an active facility to address the interior secondary sources (i.e., in proximity to TB-B, TB-E, TB-F, TB-K, TB-S, and MW-17, refer to Figure 16) is not implementable due to current below grade electrical infrastructure, wastewater treatment plant infrastructure, vibration concerns associated with the Site's cutting laser, and interruption of process work flow and production. In addition, the identified exterior secondary source (TB-H) is immediately adjacent to a high voltage electric line and bulk welding gas storage tanks. Exterior secondary source area TB-N is located in proximity to the UST and gas main. As such, physical removal of soil/fill in these areas is considered to be infeasible due to implementability. [Note: Partial excavation of the TB-N area may be feasible with air knife technology, however, based on the RI data, impacted soils are at least 6.5 feet below-grade, compromising the implementability of this technology.]

8.7.3 Groundwater

The following remedial technologies were identified to address the GRAs identified for groundwater. Using the information collected during the RI, it is estimated that approximately 1,742,304 gallons of overburden groundwater (assumes a 194,107 ft^2 plume with a saturated overburden thickness of 4 ft and a porosity of 0.3, refer to Figure 17), and approximately 1,811,581 gallons of bedrock groundwater (assumes a 121,095 ft^2 bedrock plume with a thickness of 20 ft and a porosity of 0.1, refer to Figure 18) need to be addressed to meet TOGs. Of the estimated 1,742,304 gallons of impacted overburden groundwater, it is estimated that 93,279 gallons of overburden groundwater (assumes 10,392 ft^2 with a saturated thickness of 4ft. and a porosity of 0.3, refer to Figure 16) comprise the primary plume (i.e., portion of the plume containing the greatest concentrations of CVOCs) and approximately 4,506 gallons of overburden groundwater (assumes 502 ft^2 with a saturated thickness of 4ft. and a porosity of 0.3, refer to Figure 16) comprise the TB-H area.

- No Further Action: No additional remedial measures would be implemented to address impacted groundwater.

- Institutional Controls: Remedial technologies associated with this GRA generally consist of non-intrusive administrative controls focused on minimizing contact or use of groundwater. Institutional controls evaluated under the preliminary screening step included environmental easement and/or permit controls.

- Natural Attenuation: Remedial technologies associated with this GRA involve monitoring geochemical and constituent concentrations in accordance with a NYSDEC-approved plan to evaluate the extent to which COCs are naturally being degraded.

- In-Situ Containment/Controls: Remedial technologies associated with this GRA include addressing the mobility and/or exposures to impacted groundwater below the subsurface under the preliminary screening process. Remedial technologies evaluated included hydraulic control, permeable reactive barriers (PRBs), and physical containment.

- In-situ Treatment: Remedial technologies associated with this GRA involve treating constituents in groundwater without physically extracting the groundwater. The implementability of this remedial technology is dependent on the alternative being evaluated. The unrestricted use alternative assumes the building and below-grade utilities would be removed, allowing site wide in-situ treatment to be technically feasible and implementable technologies. Chemical oxidation was the remedial technology evaluated as a site-wide in-situ remedial alternative. The remaining remedial alternatives assume that the building will remain in place, occupied, and operational. In-situ remedial technologies that could potentially achieve RAOs and are considered implementable within an active facility included, air sparging, chemical reduction and biological treatment. These in-situ remedial technologies will be retained for further evaluation.

- Removal and Treatment/Disposal: Remedial technologies associated with this GRA focus on the extraction of groundwater and subsequent treatment and/or disposal. The remedial technology type evaluated was groundwater extraction with on-site treatment prior to permitted discharge to the Monroe County Pure Waters sewer system.

8.7.4 NAPL

Complete human exposure pathways do not exist for NAPL. Maintaining the existing engineering controls (i.e., positive pressure vapor mitigation system and cover system) and institutional controls (i.e., groundwater use restrictions) at the Site would achieve the established public health protection RAOs for NAPL; thus, will be retained throughout the screening process. Using the information collected during the RI, it is estimated that approximately 20 gallons of NAPL (assumes a 300 ft^2 plume with a thickness of 0.03 ft. and a porosity of 0.3,) is located in proximity to monitoring well MW-17 and needs to be addressed to meet environmental protection RAOs. The following remedial technologies were identified to address the GRAs identified for NAPL.

- No Further Action: No additional remedial measures would be implemented to address NAPL.

- Institutional Controls: Remedial technologies associated with this GRA generally consist of non-intrusive administrative controls focused on minimizing contact or use of groundwater. Institutional controls evaluated under the preliminary screening step included an environmental easement and/or access controls.

- In-Situ Containment/Controls: Remedial technologies associated with this GRA include addressing the mobility and/or exposures to NAPL below the subsurface under the preliminary screening process. The remedial technology type evaluated was hydraulic control via groundwater extraction.

- Removal and Treatment/Disposal: Remedial technologies associated with this GRA focus on the extraction of NAPL and subsequent disposal. The remedial technology type evaluated was in-situ oil absorbent media.

8.7.5 Soil Vapor

As presented in Section 6.1, complete exposure pathways do not exist for human exposure to soil vapor. Maintaining the existing engineering control (i.e., positive pressure vapor mitigation system) at the Site would achieve the established RAOs for soil vapor. As such, with the exception of the no action and unrestricted use remedial alternatives, soil vapor mitigation via the existing positive pressure system will be included in each of the remaining remedial alternatives. The unrestricted use alternative assumes that surface soil, subsurface soil, overburden groundwater and bedrock groundwater containing a constituent above its applicable SCGs would be treated in accordance with applicable regulations. Screening of additional technology types and process options for soil vapor is thereby not necessary in that case.

8.8 Secondary Screening

Each of the remedial technologies listed above was evaluated for effectiveness in an effort to identify at least one process option to represent each technology type. For the purposes of the feasibility study, effectiveness evaluates the remedial technologies ability to reduce the toxicity, mobility and/or volume of chemical constituents in the impacted media. The effectiveness criterion includes impacts to human health and the environment during remedial alternative implementation. The comparison of the secondary screening criterion to the implementable remedial technologies identified in Section 8.7 for each media is presented below.

8.8.1 Surface Soils

No Further Action: The No Further Action alternative is included as a procedural requirement and as a baseline to evaluate other alternatives.

Institutional Controls: Institutional controls would include a Site Management Plan (SMP) that would identify requirements for conducting intrusive activities at the Site involving impacted surface soil and/or an environmental easement to restrict/prohibit the use of the land consistent with the remedy selected for the Site. Although institutional controls do not include active remedial measures, natural attenuation processes would potentially reduce the toxicity and volume of impacts to the environment over an extended period of time. Institutional controls themselves would not treat, contain or remove impacted surface soil, but would provide guidance to reduce the potential for exposure to COCs. Institutional controls may enhance the effectiveness of other remedial options by achieving RAOs administratively rather than physical treatment. This technology is readily implementable, and will be retained for further evaluation.

Industrial SCO Engineering Control: An engineering control meeting DER-10 specifications (i.e., impermeable materials, a minimum 1-foot thick layer of DER-10 approved material, and/or fencing with appropriate signage (i.e., Do Not Enter – Authorized Personnel Only) will be installed to provide a barrier to the impacted surface soil identified in the RI that contains one or more constituents exceeding their applicable restricted industrial SCOs. Inspection and maintenance of the engineering control would be specified in the site-specific SMP. Documentation of engineering control integrity and modifications would be provided to the NYSDEC in appropriate time frames and communications (e.g., monthly progress reports, emergency response action notices, annual inspection reports, etc.) and in compliance with the Site-specific SMP. This technology is readily implementable and will be retained for further evaluation.

Commercial SCO Engineering Control: An engineering control meeting DER-10 specifications (i.e., impermeable materials, a minimum 1-foot thick layer of DER-10 approved material, and/or fencing with appropriate signage (i.e., Do Not Enter – Authorized Personnel Only) will be installed to provide a barrier to the impacted surface soil identified in the RI that contains one or more constituents exceeding their applicable restricted commercial SCOs. Inspection and maintenance of the engineering control would be specified in the site-specific SMP. Documentation of engineering control integrity and modifications would be provided to the NYSDEC in appropriate time frames and communications (e.g., monthly progress reports, emergency response action notices, annual inspection reports, etc.) and in compliance with the Site-specific SMP. This technology is readily implementable and will be retained for further evaluation.

Removal and Off-Site Disposal: is a process in which contaminated media is physically removed from the surface and disposed off-site. Removal with off-site disposal is being retained for the unrestricted use alternative for further evaluation due to its effectiveness. [Note: Removal with off-site disposal for the remaining remedial alternatives was eliminated due to concerns with implementability.]

8.8.2 Subsurface Soils

No Further Action: The No Further Action alternative is included as a procedural requirement and as a baseline to evaluate other alternatives. Under this alternative, no remedial action would be completed to address impacted subsurface soil.

Institutional Controls: Institutional controls are administrative measures to reduce potential contact with impacted media. Institutional controls would include a SMP that would identify requirements for conducting intrusive activities at the Site, including handling and re-use/disposal of impacted subsurface soil that may be encountered, and/or an environmental easement to restrict/prohibit the use of the land that would be inconsistent with the remedy selected for the Site. Institutional controls themselves would not treat, contain or remove impacted subsurface soil, but would provide guidance to reduce the potential for exposure to COCs. Institutional controls may enhance the effectiveness and implementability of other remedial options by achieving RAOs administratively rather than through physical treatment (e.g., a groundwater extraction and treatment system would not prevent the public or workers from using the aquifer for potable water source before treatmet of the aquifer was complete. However, an environmental easement could prevent the use of the aquifer as a potable water source, thereby achieving the RAO). This technology is effective, and will be retained for further evaluation.

In-Situ Containment/Control: In-Situ containment/control is a process in which contact with impacted subsurface soil is impeded by a physical barrier. The existing partial cover system

meeting DER-10 specifications at the Site will continue to limit exposure to subsurface soil containing COCs. Additional cover alternatives (i.e., asphalt, concrete, a soil cover, fencing, etc.) may be implemented with similar relative costs and effectiveness to address areas in which a complete exposure pathway exists. Additional Site capping and/or fencing would not reduce toxicity or volume of COCs and would have a marginal improvement in preventing COC migration However, given the foreseeable future use of the property, maintaining and supplementing the existing cover materials is considered protective and more cost effective than other cover alternatives. A DER-10 compliant engineering control (i.e., cover system, fencing, etc.) is effective in achieving RAO's and will be retained for further evaluation.

Other containment options, including sheet pile and slurry walls, do not effectively treat and remove the COCs. In addition, these alternatives may alter the existing site conditions (e.g., change the direction of groundwater flow) potentially affecting the effectiveness of other remedial components. Due to effectiveness concerns alternative containment options (e.g., sheet piles and slurry walls) are not retained for further evaluation.

In-Situ Treatment: The remedial treatment technologies identified for subsurface soil include soil vapor extraction, chemical oxidation, bioremediation, and phytoremediation. Each of these technologies is discussed below.

Soil Vapor Extraction is a process in which a network of piping provides a vacuum to capture vapor phase volatile constituents within the subsurface. An emissions control system may be required to treat extracted vapor prior to release to the environment. A significant portion of the contaminant plume is under the building which contains subsurface infrastructure that may act as obstructions or preferential flow paths impeding the withdrawal or capture radius of vapor phase constituents. Also, as part of the vapor mitigation system evaluation, previously conducted at the Site under a separate NYSDEC work plan, communication testing w indicated that the heterogeneous subsurface conditions limit the effectiveness/capture zone of soil vapor extraction. Due to Site constraints, existing Site improvements and geology, this technology is eliminated from further consideration due to its limited effectiveness.

Chemical Oxidation is a process in which an oxidizing reagent is introduced into the subsurface to break down COCs into non-toxic byproducts. Fenton's reagent, permanganate and persulfate are common oxidation chemicals used for remediation of CVOCs. Typically, the oxidant is applied as a liquid and delivered via injection points or wells. Chemical oxidation as a site wide remedial alternative to address soil impacts has limited effectiveness due to its reliance on direct contact to remediate soil. It has been shown that low permeable soils retain significant mass of contaminant after the chemical oxidant reaction has reached completion. As such, chemical oxidation as a subsurface soil remedial alternative is being eliminated from further consideration due to effectiveness.

Biological Treatment is a process in which indigenous or inoculated microorganisms utilize COCs as an energy source. To stimulate microorganism growth, nutrients and electron donors and other amendments are added to the subsurface to accelerate the natural biodegradation processes thereby enhancing bioremediation and contaminant desorption from subsurface materials. The main advantage of this in-situ process is that it allows soil to be treated without being excavated and transported, resulting in less disturbance of Site activities. This technology is applicable and effective for the removal of CVOCs in impacted soils at the Site, and will be retained for further evaluation.

Phytoremediation is a process that relies on plants and trees to remediate contamination in soil. The mechanisms of phytoremediation include enhanced rhizosphere biodegradation, phyto-extraction, phyto-degradation and phyto-stabilization. Rhizosphere biodegradation occurs in the soil immediately adjacent to plant roots. Natural substances released by plant roots supply nutrients to microorganisms enhancing biological activities. Phyto-accumulation is the uptake of contaminants by plant roots and the accumulation of contaminants into plant shoots and leaves. Phyto-degradation is the metabolic conversion of contaminants within plant tissues. Phyto-stabilization is the process in which the plant produces chemical compounds that immobilize contaminants at the interface of roots and soil. This technology is applicable to exterior portions of the Site and effective for the removal of COCs in impacted soils at the Site. Due to its inability to treat soils below the on-site building, phytoremediation will be retained for further evaluation as a component of a remedial alternative.

Removal and Treatment/Disposal: The removal technologies identified for subsurface soil include off-site disposal and thermal treatment with on-site reuse. As previously discussed, removal and off-site disposal/thermal desorption is only being considered for the unrestricted use alternative due to implementability concerns associated with the other remedial alternatives. The unrestricted use alternative assumes that the building and associated below-grade utilities would be removed prior to remediation implementation. Each of these technologies is discussed below.

Off-Site disposal is a process in which contaminated media is physically removed from the subsurface. Removal with off-site disposal is an effective method to remediate subsurface soils to the unrestricted use SCOs and is being retained for further evaluation.

Thermal Desorption is a process in which COCs are thermally stripped from the soil. Prepared soils are introduced into an enclosed heated chamber where heating methods are used to volatilize organics from the soil. The off-gas containing the thermally stripped compounds is combusted in an afterburner, absorbed in a carbon adsorption unit or treated by catalytic oxidation. The removed materials would require screening and dewatering as

feedstock preparation for the process. The off-gas could potentially require the use of air pollution control devices. The residue would contain inorganics that may require additional treatment prior to landfill disposal. Thermal desorption would be accomplished at a permitted off-site facility prior to reuse at the Site. This technology is applicable and effective for removal of organic constituents in impacted soils at the Site. However, physical removal implementability is limited to the unrestricted use remedial alternative in which soils with various classes of constituents, including inorganics, would be generated. Thermal desorption is not effective for inorganics and is not being retained for further evaluation.

8.8.3 Overburden Groundwater

This section identifies the remedial technology types and process options that will be evaluated further for overburden groundwater. Overburden groundwater at, and in vicinity of the Site, is not used for potable water. The greatest potential for human contact with impacted overburden groundwater is related to potential future intrusive work (e.g., excavation, construction, building modification, etc.) and remedial system evaluation and/or maintenance.

No Further Action: The no further action alternative is included as a procedural requirement and as a baseline to evaluate other alternatives. Under this alternative, no remedial action would be taken to address impacted overburden groundwater. Although the no action approach does not include active remedial measures, natural attenuation processes would potentially reduce the toxicity and volume of impacts to the environment over an extended period of time; however, monitoring of Site conditions would not be conducted to document the natural attenuation processes.

Institutional Controls: Institutional controls are administrative measures to reduce potential contact with impacted media. Institutional controls would include a SMP that would identify requirements for conducting intrusive activities at the Site, (e.g., handling and disposing of impacted overburden groundwater) and/or an environmental easement to restrict/prohibit the use of the land that would be inconsistent with the remedy selected for the Site. Although institutional controls do not include active remedial measures, natural attenuation processes would potentially reduce the toxicity and volume of impacts to the environment over an extended period of time. Institutional controls themselves would not treat, contain or remove impacted overburden groundwater, but would provide guidance to reduce the potential for contact, inhalation and injection of COCs. Institutional controls may enhance the effectiveness of other remedial options. This technology is readily implementable, effective and will be retained for further evaluation.

Natural Attenuation: Natural attenuation is a process in which the natural degradation of COCs are monitored for appropriate pre-determined parameters; however, remedial activities

would not be completed to contain or remove constituents from the overburden groundwater. Based on sampling and analysis for geochemical parameters performed during previous investigations, a reducing environment is present in a majority of the impacted aquifer, providing opportunities for anaerobic microbial communities to degrade dissolved CVOCs in groundwater. Natural attenuation of the groundwater impacts would be appropriate in the absence of an on-going source of CVOCs. Long-term monitoring would be performed to evaluate the effectiveness of natural attenuation over an extended period of time. This process can be effective and will be retained for further consideration.

In-Situ Containment/Control: In-situ containment/control is a process in which contact with impacted overburden groundwater is impeded by a physical control. The existing cover material at the Site will continue to limit exposure to overburden groundwater containing COCs; however, additional containment could include an groundwater extraction system that is designed to contain potential COCs migrating off-site. Groundwater extraction is an effective containment technology and will be retained for further evaluation.

In-Situ Treatment: The remedial treatment technologies identified for groundwater include permeable reactive barrier, air sparging, chemical oxidation, chemical reduction, biological treatment and phytoremediation. Each of these technologies is discussed below.

Permeable Reactive Barrier is a process in which a permeable reactive wall is installed perpendicular to the flow path of a contaminant plume allowing the water portion of the plume to passively move through the wall, treating the groundwater as it moves through the reactive zone. Permeable reactive barrier reagents include one, or more types of media (i.e., zero-valent iron metals, emulsified vegetable oil (EVO), activated carbon, microbes, etc.). For the Site conditions and physical conditions present, this process option could be effectively implemented as a down-gradient containment measure to prevent off-site migration of COCs. As such, this technology will be retained for further evaluation.

Air Sparging is a process in which air is injected through a contaminated aquifer to remove COCs via volatilization. Air sparging is usually implemented in conjunction with soil vapor extraction to remove the generated vapor-phase contamination. The existing vapor mitigation system for the on-site building is a positive pressure system and air sparging may compromise the effectiveness of the vapor mitigation system by inducing elevated pressure gradients. Also, the heterogeneity and fine grained soil matrix will increase the difficulty of implementing an effective air sparging system at the Site. Due to limited effectiveness, air sparging is being eliminated from further consideration.

Chemical Oxidation is a process in which an oxidizing reagent is introduced into the subsurface to break down COCs into non-toxic byproducts. Fenton's reagent, permanganate and persulfate are commonly used oxidation chemicals used for remediation of CVOCs.

Typically, the oxidant is applied as a liquid and delivered via injection points or wells. Typically, the chemical reaction between COC and oxidizing reagent can be exothermic and/or can compromise sub-grade utilities made of incompatible materials. Due to implementability concerns, chemical oxidation was eliminated from remedial alternatives in which the building and below-grade utilities remain in place. However, the unrestricted use remedial alternative assumes the building and associated below-grade utilities are removed prior to remediation. As such, chemical oxidation is being retained for further consideration for the unrestricted use remedial alternative.

Chemical Reduction is a process in which a reductant or reductant generating material is introduced into the subsurface to degrade COCs into non-toxic byproducts. Zero-valent iron (ZVI) is commonly used for remediation of CVOCs and is typically applied as liquid slurry delivered via injection points or wells. This in-situ process allows overburden groundwater to be treated without being pumped from the ground, collected, and passed through an above-ground treatment system prior to discharge to the municipal sewer system, Chemical reduction reagents can also be mixed and/or injected with other reagents and carbon substrates (e.g., EVO, activated carbon, etc.) to take advantage of the synergistic abiotic and biotic reduction reactions created by the combination of remedial reagents. This technology is most applicable and effective for the removal of parent CVOCs (i.e., PCE and TCE) with a more limited effectiveness for the CVOC daughter products (i.e., cis-1,2 DCE). Considering daughter products account for a significant portion of the groundwater plume, chemical reduction is being eliminated from further consideration and evaluation due to effectiveness.

Biological Treatment is a process in which indigenous or inoculated microorganisms utilize COCs as an energy source by accelerating the natural biodegradation processes. To stimulate microorganism growth, nutrients and electron donors and other amendments are added to the subsurface to accelerate/promote the natural biodegradation processes, thereby enhancing bioremediation. Biological treatment can also be combined with other remedial technologies (i.e., chemical reduction and/or liquid activated carbon) to take advantage of the synergistic reactions. Specifically, the hydrophobic nature of many chlorinated compounds promotes their partitioning into vegetable oil through advective, diffusive and dispersive transport. When biological treatment is combined with adsopriton media (i.e., liquid activated carbon), available vendor literature suggests that following CVOC partitioning, the adsorption media will become colonized by dehalococcoides microbes resulting in anaerobic bioremediation of the sorbed CVOCs, thereby regenerating the sorption sites. This process promotes additional CVOC partitioning from the saturated zone and continuation of a regenerative remedial cycle. This technology can be applied to inhibit spreading of contaminant plumes, to protect sensitive receptors or to prevent contaminant migration across property lines. This technology is applicable and effective and will be retained for further evaluation.

Phytoremediation is a process that relies on plants and trees to remediate contamination in groundwater. The mechanisms of phytoremediation include enhanced rhizosphere biodegradation, phyto-extraction, phyto-degradation and phyto-stabilization. This technology is applicable to exterior portions of the Site and effective for the removal of COCs in impacted groundwater at the Site. Due to its inability to treat groundwater below the on-site building, phytoremediation will be retained for further evaluation only as a component of a remedial alternative.

Removal and Treatment/Disposal: Removal and treatment/disposal is a process in which groundwater is physically removed from the ground so that the dissolved phase constituents (i.e., CVOCs) can be treated. This process is typically coupled with hydraulic control. In general, physical removal of groundwater has limited remedial effectiveness in areas outside the source zone. As a result, the effectiveness of this remedial approach as a site-wide remedial alternative will not be further considered due to its inability to reduce the toxicity and mass of the COCs at the Site. However, groundwater extraction is readily implementable and an effective site perimeter groundwater control method and will be retained for further evaluation.

8.8.4 Bedrock Groundwater

This section identifies the remedial technology types and process options that will be evaluated further for bedrock groundwater. Bedrock groundwater at, and in vicinity of the Site, is not used for potable water; therefore, the greatest potential for human contact with impacted groundwater is related to potential future intrusive activities (i.e., excavation, construction, building modifications, etc.) that could encounter bedrock groundwater, and/or operation and maintenance of a bedrock groundwater extraction and/or treatment system.

No Further Action: The no further action alternative is included as a procedural requirement and as a baseline to evaluate other alternatives. Under this alternative, no remedial action would be taken to address impacted bedrock groundwater. Although the no action approach does not include active remedial measures, natural attenuation processes would potentially reduce the toxicity and volume of impacts to the environmental over an extended period of time; however, monitoring of Site conditions would not be conducted to document the natural attenuation processes.

Institutional Controls: Institutional controls are administrative measures to reduce potential contact with impacted media. Institutional controls would include a SMP that would identify requirements for conducting intrusive activities at the Site, (e.g., handling and disposing of impacted bedrock groundwater) and/or an environmental easement to restrict/prohibit the use of the land that would be inconsistent with the remedy selected for the Site. Although institutional controls do not include active remedial measures, natural attenuation processes

would potentially reduce the toxicity and volume of impacts to the environment over an extended period of time. Institutional controls themselves would not treat, contain or remove impacted bedrock groundwater, but would provide guidance to reduce the potential for contact, inhalation and injection of COCs. Institutional controls may enhance the effectiveness of other remedial options and will be retained for further evaluation.

Natural Attenuation: Natural attenuation is a process in which the natural degradation of COCs are monitored for appropriate pre-determined parameters; however, active remedial measures would not be completed to contain or remove constituents from bedrock groundwater. Based on sampling and analysis for geochemical parameters performed during previous investigations, a reducing environment is present in a majority of the impacted aquifer, providing opportunities for anaerobic microbial communities to degrade dissolved CVOCs in bedrock groundwater. Natural attenuation of the bedrock groundwater impacts would be an appropriate and effective technology in the absence of an on-going source of CVOC and will be retained for further consideration.

In-Situ Containment/Control: In-situ containment/control is a process in which contact with impacted groundwater is impeded by a physical control. The existing cover material at the Site will continue to limit exposure to groundwater containing COCs; however, additional containment could include a groundwater extraction system designed to contain COCs and prevent further migration. Bedrock groundwater extraction is an effective containment technology and will be retained for further evaluation.

In-Situ Treatment: The remedial treatment technologies identified for bedrock groundwater include permeable reactive barrier and biological treatment. Each of these technologies is discussed below.

Permeable Reactive Barrier is a process in which a permeable reactive wall is installed perpendicular to the flow path of a contaminant plume, allowing the water portion of the plume to passively move through the wall, resulting in treatment of the bedrock groundwater as it moves through the reactive zone. Permeable reactive barrier reagents include one, or a combination of, zero-valent iron metals, emulsified vegetable oil (EVO), activated carbon, microbes, etc.). A PRB could be effectively implemented as a down-gradient containment/perimeter bedrock groundwater control measure to address potential off-site migration. As such, this technology will be retained for further evaluation.

Biological Treatment is a process in which indigenous or inoculated microorganisms utilize COCs as an energy source by accelerating the natural biodegradation processes. To stimulate microorganism growth, nutrients and electron donors and other amendments are added to the subsurface to accelerate/promote the natural biodegradation processes, thereby enhancing bioremediation and contaminant desorption from subsurface materials. Biological treatment

can also be combined with other remedial technologies (i.e., chemical reduction and/or liquid activated carbon) to take advantage of the synergistic reactions (e.g.,, the hydrophobic nature of many chlorinated compounds promotes their partitioning into vegetable oil through advective, diffusive and dispersive transport). When biological treatment is combined with adsorption media (e.g., liquid activated carbon) available vendor literature suggests that following CVOC partitioning, the adsorption media will become colonized by dehalococcoides microbes resulting in anaerobic bioremediation of the sorbed CVOCs, thereby regenerating the sorption sites. This process promotes additional CVOC partitioning from the saturated zone and continuation of a regenerative remedial cycle. This technology can be applied to inhibit spreading of contaminant plumes, to protect sensitive receptors or to prevent contaminant migration across property lines. This technology is applicable and an effective site perimeter control of CVOCs within impacted bedrock groundwater at the Site, and will be retained for further evaluation.

Removal and Treatment/Disposal: Removal and treatment/disposal is a process in which groundwater is physically removed from the ground so that the dissolved phase constituents (i.e., CVOCs) can be treated. This process is typically coupled with hydraulic control. Bedrock groundwater extraction as a site-wide remedial alternative or component or select remedial alternatives will be further considered due to its effectiveness to contain CVOCs in bedrock groundwater.

8.8.5 NAPL

This section identifies the remedial technology types and process options that will be evaluated further for NAPL. Overburden groundwater at, and in vicinity of the Site, is not used for potable water. Therefore, the greatest potential for human contact with NAPL is related to potential future intrusive activities (i.e., excavation, construction, building modifications, etc.) that could encounter NAPL, operation and maintenance of an overburden groundwater extraction and treatment system and/or operation and maintenance of a NAPL recovery system.

No Further Action: The no further action alternative is included as a procedural requirement and as a baseline to evaluate other alternatives. Under this alternative, no remedial action would be taken to address NAPL. Although the no action approach does not include active remedial measures, natural attenuation processes would potentially reduce the toxicity and volume of impacts to the environment over an extended period of time; however, monitoring of Site conditions would not be conducted to document the natural attenuation processes.

Institutional Controls: Institutional controls are administrative measures to reduce potential contact with NAPL. Institutional controls would include a SMP that would identify requirements for conducting intrusive activities at the Site including the handling and

disposing of NAPL and/or an environmental easement to restrict/prohibit the use of the land inconsistent with the remedy selected for the Site. Institutional controls themselves would not treat, contain or remove NAPL, but would provide guidance to reduce the potential for contact, inhalation and injection of NAPL. Institutional controls may enhance the effectiveness of other remedial options and will be retained for further evaluation.

In-Situ Containment/Control: In-situ containment/control is a process in which contact with NAPL is impeded by a physical control. The existing cover material at the Site will continue to limit exposure to NAPL; however, additional containment could include a groundwater extraction system to prevent further NAPL migration. NAPL containment is effective and will be retained for further evaluation.

Removal and Treatment/Disposal: Removal and treatment/disposal is a process in which NAPL is physically removed from the ground. In general, physical removal of NAPL has moderate remedial effectiveness and will be retained for further evaluation.

8.8.6 Soil Vapor

This section identifies the remedial technology types and process options that will be evaluated further for soil vapor. The existing engineering control at the Site mitigates the greatest potential for human contact with soil vapor. The greatest remaining potential for human contact with impacted soil vapor is related to intrusive activities (i.e., excavation, construction, building modifications, etc.) at the Site.

No Further Action: The no further action alternative is included as a procedural requirement and as a baseline to evaluate other alternatives. Under this alternative, no remedial action would be taken to address soil vapor or maintain the existing engineering control. Although the no action approach does not include active remedial measures, natural attenuation processes would potentially reduce the toxicity and volume of impacts to the environment over an extended period of time; however, monitoring of Site conditions would not be conducted to document the natural attenuation processes.

Institutional Controls: Institutional controls are administrative measures to reduce potential contact with impacted media. Institutional controls would include a SMP that would identify requirements for conducting intrusive activities at the Site in which exposure to impacted vapors is a concern and/or an environmental easement to restrict/prohibit the use of the land inconsistent with the remedy selected for the Site. Although institutional controls do not include active remedial measures, natural attenuation processes would potentially reduce the toxicity and volume of impacts to the environment over an extended period of time. Institutional controls themselves would not treat, contain or remove soil vapor, but would provide guidance to reduce the potential for contact and inhalation. Institutional controls may

enhance the effectiveness of other remedial options. This effective technology has been implemented at the Site via an Interim Site Management Plan (ISMP), and will be retained for further evaluation.

Engineering Controls: Engineering controls are designs or modifications to equipment, industrial plants, processes or systems that reduce the risk of worker exposure to soil vapor intrusion. Generally, these methods control hazards either at the source or in transmission, rather than protecting the worker at the point of exposure. The currently operating soil vapor engineering control is comprised of the positive pressure vapor mitigation system. The monitoring and maintenance of this engineering control is specified in the ISMP developed for the Site. This technology has already been implemented and remains effective, and will be retained for further evaluation.

8.9 Development of Alternatives

This section uses the screened technologies presented in Sections 8.7 and 8.8 to assemble remedial alternatives into site wide alternatives, or components of a remedial strategy, that meet the RAOs established for the Site. These remedial alternatives are evaluated further in an effort to select the most appropriate remedial alternative for the Site.

8.9.1 Surface Soil Remedial Alternatives

Four remedial alternatives, SS1 through SS4, have been identified to address the RAOs for surface soils at the Site. Alternative SS1, No Further Action, is provided as a baseline to which other soil alternatives can be compared. Alternative SS2 consists of addressing the COCs exceeding restricted industrial SCOs via engineering and institutional controls. Alternative SS3 consists of addressing the COCs exceeding restricted commercial SCOs via engineering and institutional controls. Alternative SS4, consists of removing soils that exhibit constituent concentrations exceeding the unrestricted use SCOs.

Brief descriptions of the potential remedial alternatives are provided below with greater details presented in Sections 9.1, 9.2, and 9.3.

Alternative SS1 – No Further Action

Under this alternative, no additional active remedial measures or monitoring would be completed.

Alternative SS2 – Restricted Industrial Use Engineering Control and Institution Controls

As part of this alternative, an engineering control meeting DER-10 specifications (i.e., impermeable materials, a minimum 1-foot thick layer of DER-10 approved material, fencing with appropriate signage, etc.) would be installed to provide a barrier to impacted surface soils identified in the RI that contains one or more constituents exceeding their applicable restricted industrial SCOs. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Inspection and maintenance of the engineering control would be specified in the Site-specific SMP. Documentation of the engineering control integrity and modifications would be provided to the NYSDEC in appropriate time frames and communications (e.g., monthly progress reports, emergency response action notices, annual inspection reports, etc.) and in compliance with the Site-specific SMP.

Alternative SS3 – Restricted Commercial Use Engineering Controls and Institutional Controls

As part of this alternative, an engineering control meeting DER-10 specifications (i.e., impermeable materials, a minimum 1-foot thick layer of DER-10 approved material, fencing with appropriate signage, etc.) would be installed to provide a barrier to impacted surface soil identified in the RI that contains one or more constituents exceeding their applicable restricted commercial SCOs. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Inspection and maintenance of the engineering control would be specified in the Site-specific SMP. Documentation of the engineering control integrity and modifications would be provided to the NYSDEC in appropriate time frames and communications (e.g., monthly progress reports, emergency response action notices, annual inspection reports, etc.) and in compliance with the Site-specific SMP.

Alternative SS4 – Physical Removal and Off-Site Disposal

Under this alternative, removal and off-site disposal of subsurface soil containing one or more constituents exceeding their applicable unrestricted use SCOs will be physically removed from the Site and disposed off-site. A Site specific SMP for surface soil would not be required in that case.

8.9.2 Subsurface Soil Remedial Alternatives

Three subsurface remedial alternatives, S1 through S3, have been identified to address the RAOs for soils at the Site. Alternative S1, No Further Action, is provided as a baseline to which other soil alternatives can be compared. Alternative S2, is consists of addressing the

CVOCs via bioremediation, and phytoremediation and protection of on-site receptors from residual impacts via institutional controls. Alternative S3 focuses on removing subsurface soils that exhibit constituent concentrations exceeding the unrestricted use SCOs.

Brief descriptions of the potential remedial alternatives are provided below with greater details presented in Sections 9.1, 9.2, and 9.3.

Alternative S1 – No Further Action

Under this alternative no additional active remedial measures or monitoring would be completed.

Alternative S2 – Institutional Controls / Bioremediation / Phytoremediation

This alternative involves, in part, institutional controls in the form of an environmental easement to limit the Site's use and access. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. In-situ injection of electron donor and nutrients (i.e., bioremediation) would be completed in proximity to MW-5 where the greatest CVOC concentrations were identified in the RI and in proximity to TB-H where accessible CVOC concentrations in soil were identified in the RI (refer to Figure 16). In-situ injections would be completed in accessible and feasible locations between approximately 8 ft. below the ground surface (bgs) and 12 ft. bgs to promote the growth of the dehalococcoides microbe population, resulting in anaerobic bioremediation of the CVOCs identified in the saturated zone. Lastly, the existing phytoremediation system located along the northern property boundary will continue to be maintained. Phytoremediation was completed to a depth of approximately 10 ft. bgs using poplar and willow trees, and will be maintained to assist in addressing the saturated zone soils along the northern property line, (refer to Figure 16). Residual COCs within the soils would be addressed via institutional and engineering controls (e.g., cover system, fencing, SMP, environmental easement, etc.). Compliance with the site-specific SMP will ensure engineering controls remain effective and are properly maintained.

Alternative S3 – Site Wide Excavation

This alternative involves excavating subsurface soils (i.e., unsaturated and saturated) for off-site disposal. The approximate 810,010 cubic feet (279,314 ft^2 with a thickness of 2.9 ft.) of historic fill material identified across the Site would be removed (refer to Figure 17) and disposed off-site in accordance with applicable regulations. Thereafter, the estimated 450,449 cubic feet (assumes approximately 52,994 ft^2 of impacted subsurface soil that has a thickness of 8.5 ft, refer to Figure 17) of soils containing VOCs and metals above unrestricted use SCOs would be removed and disposed off-site in accordance with applicable regulations.

This alternative would include building and below-grade utility demolition, reconstruction of the on-site building and utilities, and excavation dewatering.

8.9.3 Overburden Groundwater Remedial Alternatives

Four remedial alternatives have been developed for addressing impacted overburden groundwater at the Site and are presented in the following subsections. Alternative OBGW1, No Further Action, is provided as a baseline to which other soil alternatives can be compared. Alternative OBGW2 and OBGW3 consists of bioremediation and containment of the greatest CVOC concentrations, phytoremedation along the northern property boundary, engineering controls and institutional controls. Alternative OBGW3 addresses interior secondary sources of CVOC contaminants (i.e., areas where soils contain CVOC concentrations that exceed protection of groundwater SCOs.) and also contains a contingency site perimeter groundwater control measure to be implemented if warranted by post-bioremediation groundwater sample results. Alternative OBGW4, consists of site-wide chemical oxidation of the groundwater plume to achieve unrestricted use SCOs.

Alternative OBGW1 – No Further Action

Under this alternative, no additional active remedial measures or monitoring would be completed.

Alternative OBGW2 – Institutional Controls / Containment / Groundwater Monitoring / Bioremediation / Phytoremediation / Natural Attenuation

This alternative involves institutional controls in the form of environmental easements to limit the Site's use and access. In addition, a SMP would be completed for the Site outlining the necessary procedures, requirements and responses when completing intrusive activities at the Site that have the potential to encounter impacted overburden groundwater. To address the overburden groundwater CVOC concentrations identified at MW-5 (i.e., the area of greatest CVOC concentrations, or the primary plume area), groundwater extraction will be completed to remove CVOC mass and aid in containment of the existing CVOC (e.g., primarily cis-1,2-DCE) plume (refer to Figure 16). Initially one groundwater extraction well will be completed and its associated radius of influence will be evaluated. Following a determination of the approximate radius of influence and the hydraulic control effectiveness, it will be determined if additional groundwater extraction wells are warranted, and if so, the additional extraction well locations. [Note: The opinion of probable cost associated with this alternative allows for up to three groundwater extraction wells to be installed; however, the other two extraction wells will not be installed unless needed to provided sufficient containment of the CVOCs at the Site perimeter.] The extracted overburden groundwater will be treated in an on-site groundwater treatment system prior to being discharged to the

Monroe County Pure Waters (MCPW) sewer system in accordance with applicable MCPW permit requirements. The location of the treatment system will consider the possibility of off-gassing from the system and the potential impacts to the indoor air quality that may be created (i.e., use a separate structure [shed, trailer, etc.] for housing the system).

Subsequent to groundwater extraction, in-situ injection of electron donor and nutrients (bioremediation amendments) in proximity to MW-5 (refer to Figure 16) will be completed once asymptotic concentrations of CVOCs are observed in the MW-5 area. The bioremediation amendments would be introduced into the subsurface via injection points spaced in an approximate grid pattern in accessible and feasible locations targeting the saturated zone (i.e., between 8 ft. bgs and 12 ft. bgs). The intent of amending the subsurface is to promote the growth of the dehalococcoides microbe population resulting in anaerobic bioremediation of the CVOCs identified in the saturated zone. The initial amendment injection volume would be sufficient to theoretically treat the delineated area identified on Figure 16; however, the opinion of probable cost for this alternative allows for two additional injection events of lesser mass if warranted by field and/or analytical data. [Note, the lesser injection events will not be implemented unless needed to achieve the SCGs.] Depending on the overburden groundwater extraction drawdown rates, the operation of the groundwater extraction system may be altered to accelerate and better distribute the electron donor and nutrients. Overburden groundwater extraction system alterations will be approved by the appropriate entities (i.e., NYSDEC) prior to initiation. Residual CVOCs within the groundwater would be addressed via natural attenuation, in which the sampling program and protocol would be approved by the NYSDEC and included as part of the institutional controls. Lastly, in the downgradient direction, the existing phytoremediation system, which was completed to a depth of approximately 10 ft. bgs, using poplar and willow trees, will be maintained to assist in addressing the overburden groundwater conditions along the northern property line (refer to Figure 16).

Alternative OBGW3 – Institutional Controls / Containment / Groundwater Monitoring / Bioremediation / Phytoremediation / Site Perimeter Groundwater Controls / Natural Attenuation

This alternative involves institutional controls in the form of environmental easements to limit the Site's use and access. In addition, an SMP would be completed for the Site outlining the necessary procedures, requirements and responses when completing intrusive activities at the Site that have the potential to encounter impacted overburden groundwater.

To address the overburden groundwater CVOC concentrations identified at MW-5 (i.e., the area of highest CVOC concentrations, or the primary plume area), a bedrock interface groundwater extraction well [EW-1] will be completed to remove CVOC mass and contain the existing CVOC (e.g., primarily cis-1,2-DCE) plume area (refer to Figure 16) associated

with the MW-5 area. To address the interior secondary sources (TB-B, TB-E, TB-F, TB-K, and TB-S) an additional, overburden groundwater extraction well (EW-2) will be installed in proximity to the interior secondary sources (refer to Figure 16). To address the CVOC contamination and LNAPL impacts identified in monitoring well MW-17, this monitoring well will converted into an overburden extraction well (EW-3). This remedial alternative assumes that exterior secondary source TB-N and interior cyanide source MW-Q will be within the capture zone of the three extraction wells described above. The intent of the three extraction wells is to provide adequate Site perimeter groundwater control (i.e., to eliminate or minimize off-site migration of contaminants). Initially, the three groundwater extraction wells will be completed and their associated radius of influence will be evaluated. Following an evaluation of the approximate radius of influence and the hydraulic control effectiveness, it will be determined if additional groundwater extraction wells are warranted, and if so, the locations of the additional extraction wells. [Note: The opinion of probable cost associated with this alternative allows for up to four groundwater extraction wells to be installed; however, any other extraction wells that may be needed will not be installed unless warranted to provide sufficient containment of the CVOCs at the perimeter of the Site.] In the event the groundwater extraction system is unable to provide adequate site perimeter groundwater control, additional overburden groundwater controls will be considered (refer to the contingency measures discussed below). The extracted overburden groundwater will be treated in an on-site groundwater treatment system prior to being discharged to the MCPW sewer system in accordance with applicable MCPW permit requirements. For the purposes of this FS, an assumed cumulative average flow of 10 GPM was used to develop the associated cost estimate. The location of the treatment system will consider the possibility of off-gassing from the system and the potential impacts to the indoor air quality that may be created (i.e., use a separate structure [shed, trailer, etc.] for housing the system).

Subsequent to groundwater extraction system startup, in-situ injection of electron donor and nutrients (bioremediation amendments) in proximity to MW-5 and TB-H (refer to Figure 16) will be completed once asymptotic concentrations of CVOCs are observed in the MW-5 area. The bioremediation amendments would be introduced into feasible and accessible locations within the subsurface using injection points with injection intervals between 8 ft. bgs and 12 ft. bgs. The bioremediation amendments are intended to promote the growth of the dehalococcoides microbe population resulting in anaerobic bioremediation of the CVOCs identified in the saturated zone. The initial amendment injection volume would be sufficient to theoretically treat the delineated areas identified on Figure 16; however, the opinion of probable cost for this alternative allows for two additional injection events of lesser mass if warranted by field and/or analytical data. [Note; the lesser injection events will not be implemented unless needed to achieve the RAOs.] Depending on the overburden groundwater extraction drawdown rates, the operation of the groundwater extraction system may be altered to accelerate and better distribute the electron donor and nutrients. Overburden groundwater extraction system alterations will be approved by the appropriate

entities (i.e., NYSDEC) prior to initiation. Residual CVOCs within the groundwater would be addressed via natural attenuation, in which the sampling program and protocol would be approved by the NYSDEC and included as part of the institutional controls. Lastly, in the downgradient direction, the existing phytoremediation system, which was completed to a depth of approximately 10 ft. bgs using poplar and willow trees, will be maintained to assist in addressing the overburden groundwater conditions along the northern property line (refer to Figure 16).

In the event the groundwater extraction system is unable to provide adequate Site perimeter groundwater control, additional Site perimeter overburden groundwater controls (i.e., additional extraction wells, permeable reactive barrier [PRB], etc.) will be installed. The need for the contingency measures will be evaluated on a periodic basis (e.g., after each annual groundwater monitoring event, etc.) after the bioremediation injections are completed, and will be based on the observed trends of the groundwater monitoring results from the perimeter wells during that period of time. If warranted, the Site perimeter overburden groundwater contingency measure (i.e., a PRB of liquid activated carbon and emulsified vegetable oil [EVO] injections, etc.) will be completed up-gradient of sensitive receptors. If a PRB is selected, it is anticipated that it will consist of liquid activated carbon and EVO, and completed within the saturated zone to the top of bedrock (i.e., approximately 8 ft. bgs to 12 ft. bgs) using direct-push injection equipment. Based on available vendor literature, and assuming the presence of sufficient available substrate (i.e., EVO), the activated carbon particles will become colonized by dehalococcoides microbes resulting in anaerobic bioremediation of the sorbed CVOCs; thereby, regenerating the activated carbon sorption sites. This process promotes additional CVOC partitioning from the saturated zone and continuation of a regenerative remedial cycle. For the purposes of this FS it was assumed the overburden groundwater PRB would be 240 ft. long and 5 ft. wide. Note, the length of the PRB was based on the current site model and the estimated linear feet of barrier required to provide protection of the down-gradient receptors. The PRB width was based on hydraulic conductivity data collected during the RI. It should also be noted that hydraulic controls and active remedial measures (i.e., bioremediation) will alter the site model and likely reduce the PRB dimensions. As such, if needed, a site specific PRB should be designed using post-remediation groundwater data and post groundwater extraction hydraulic data.

Alternative OBGW4 – Site Wide Chemical Oxidation

This alternative involves restoring the overburden groundwater to unrestricted use. To attain this goal, chemical oxidation reagent (e.g. potassium permanganate) would be applied to the entire overburden groundwater plume containing dissolved constituents exceeding TOGs, as delineated by the RI work. The chemical oxidant would be applied in a grid pattern throughout the saturated zone (8 ft. bgs to the top of rock at approximately 12 ft. bgs) after the existing building and associated utilities have been demolished (refer to Figure 17). The

radius of influence and mass of chemical oxidant would need to be determined through a treatability study. For the purposes of this FS, it was assumed that a radius of influence of 15 ft. could be achieved and that approximately 250,000 pounds of potassium permanganate would be needed to remediate the overburden groundwater to TOGs SCGs. Following the chemical oxidant injection events and completion of other remedial activities, the building and associated utilities would be reconstructed. Since the impacted media would be addressed and meet regulatory standards, an SMP and other institutional controls (e.g., an environmental easement) and engineering controls (e.g., vapor mitigation system) would not be necessary.

8.9.4 Bedrock Groundwater Remedial Alternatives

Three remedial alternatives have been developed for addressing impacted bedrock groundwater at the Site and are presented in the following subsections. Alternative BRGW1, No Further Action, is provided as a baseline to which other soil alternatives can be compared. Alternative BRGW2 and BRGW3 consists of bedrock groundwater monitoring and institutional controls to achieve RAOs. Alternative BRGW3 also contains a contingency site perimeter bedrock groundwater control measure to be implemented if warranted by post-bioremediation groundwater sample results. Alternative BRGW4, consists of site-wide groundwater extraction system to achieve unrestricted use SCOs.

Alternative BRGW1 – No Further Action

Under this alternative no additional active remedial measures or monitoring would be completed.

Alternative BRGW2 – Institutional Controls/Bedrock Groundwater Monitoring

This alternative involves institutional controls in the form of environmental easements to limit the Site's use and access. The bedrock groundwater CVOC concentrations would be addressed via natural attenuation that would include monitoring and documentation in accordance with a NYSDEC-approved sampling program and protocol. It is anticipated that by addressing the overburden groundwater impacts, coupled with natural attenuation processes, the bedrock groundwater CVOC concentrations would eventually be reduced to levels acceptable to the NYSDEC. For the purposes of this FS, it was assumed that bedrock groundwater would be monitored for thirty years following initiation of remedial activities.

Alternative BRGW3 – Institutional Controls / Bedrock Groundwater Monitoring / Contingency Permeable Reactive Barrier

This alternative involves institutional controls in the form of environmental easements to limit the Site's use and access. The bedrock groundwater CVOC concentrations along the northern portion of the Site would be addressed by groundwater extraction in the MW-5 area using a bedrock interface well [EW-1]. It is anticipated that by addressing the overburden groundwater impacts, the CVOC concentrations in the bedrock groundwater would be reduced to levels acceptable to the NYSDEC. For the purposes of this FS, it was assumed that bedrock groundwater would be monitored for thirty years following initiation of remedial activities.

In the event the groundwater extraction system is unable to provide adequate site perimeter bedrock groundwater control, additional Site perimeter bedrock groundwater controls (i.e., additional extraction wells, PRBs, etc.) would be installed. The need for the contingency measures will be evaluated on a periodic basis (e.g., after each annual groundwater monitoring event, etc.) after the final bioremediation injections are completed, and will be based on the observed trends of the groundwater monitoring results from the perimeter wells during that period of time. If warranted, contingency Site perimeter groundwater controls will be completed up-gradient of sensitive receptors. If selected, it is anticipated that the bedrock PRB would be installed using bedrock injection wells with an open core from the top of bedrock to approximately 10 feet below the top of bedrock (i.e., approximately 15 ft bgs to 25 ft bgs) and consist of liquid activated carbon and EVO. Based on available vendor literature, and assuming the presence of sufficient available substrate (i.e., EVO), the activated carbon particles will become colonized by dehalococcoide microbes resulting in anaerobic bioremediation of the sorbed CVOCs; thereby, regenerating the activated carbon sorption sites. This process promotes additional CVOC partitioning from the saturated zone and continuation of a regenerative remedial cycle. For the purposes of this FS it was assumed the bedrock PRB would be 120 ft. long and 5 ft. wide. Note, the length of the PRB was based on the current site model and the estimated linear feet of barrier required to provide adequate protection of the down-gradient receptors. The PRB width was based on hydraulic conductivity data collected during the RI. It should also be noted that hydraulic controls and active remedial measures (i.e., bioremediation) will alter the site model and likely reduce the PRB dimensions. As such, if needed, a site specific PRB should be designed using post-remediation groundwater data and post groundwater extraction hydraulic data.

Alternative BRGW4 – Site Wide Bedrock Groundwater Extraction and Treatment

This alternative involves extracting bedrock groundwater to remove COCs and containing the bedrock groundwater (refer to Figure 18). Following extraction, the groundwater would be treated in an on-site treatment system prior to being discharged to the MCPWs sewer

system in accordance with applicable permit requirements. A pump test and a treatability study will be required to determine the exact pumping rates and system size/requirements. The site-wide bedrock groundwater pump and treatment system included in this FS is based on preliminary design calculations that use information collected as part of the RI. Based on the preliminary design calculations, approximately 55 bedrock extraction wells (i.e., depths of 40 ft. bgs) will be used to extract bedrock groundwater from the Site with an anticipated radius of influence of 40 ft. and a combined extraction rate of 30 gallons per minute.

8.9.5 NAPL Remedial Alternatives

Three remedial alternatives have been developed for addressing NAPL at the Site and are presented in the following subsections. Alternative N1, No Further Action, is provided as a baseline to which other soil alternatives can be compared. Alternative N2 consists of NAPL containment via groundwater extraction and institutional controls to achieve RAOs. Alternative N3 consists of NAPL containment via groundwater extraction, NAPL removal via in-situ absorbent media and institutional controls to achieve RAOs.

Alternative N1 – No Further Action

Under this alternative no additional active remedial measures or monitoring would be completed.

Alternative N2 – Institutional Controls/Containment

This alternative involves, in part, institutional controls in the form of an environmental easement to limit the Site's use and access. An SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. In addition, it is assumed that the groundwater extraction system would limit/prevent NAPL migration.

Alternative N3 – Institutional Controls/Removal

This alternative involves, in part, institutional controls in the form of an environmental easement to limit the Site's use and access. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Also, it is assumed that the groundwater extraction system would limit/prevent NAPL migration. Lastly, adsorbent media would be installed, and replaced when necessary, in monitoring well MW-17 to reduce the NAPL volume at this location of the Site.

8.9.6 Soil Vapor Remedial Alternatives

Two remedial alternatives have been developed for addressing soil vapor intrusion at the Site and are presented in the following subsections. Alternative SV1, No Further Action, is provided as a baseline to which other soil vapor remedial alternatives can be compared. Alternative SV2 consists of maintaining the existing engineering controls (e.g., positive pressure vapor mitigation system) and institutional controls to achieve RAOs.

Alternative SV1 – No Further Action

Under this alternative, no additional active remedial measures or monitoring would be completed and the existing soil vapor engineering control would not be maintained or monitored for effectiveness.

Alternative SV2 – Institutional and Engineering Controls

This alternative involves, in part, institutional controls in the form of an environmental easement to limit the Site's use and access. An SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. In addition, the currently operating vapor mitigation engineering control (i.e., positive pressure system) would be maintained to prevent vapor intrusion, eliminating a possible exposure pathway associated with soil vapor.

9.0 DETAILED EVALUATION OF REMEDIAL ALTERNATIVES

This section further evaluates the remedial alternatives identified in Section 8.9 with respect to the evaluation criteria provided in DER-10 to gauge each of the alternative's overall feasibility and acceptability. The detailed evaluation of each alternative presented in this section include comparison to the following nine criteria:

- Protection of Human Health and the Environment
- Compliance with SCG values
- Long-term Effectiveness and Permanence
- Reduction of Toxicity, Mobility and Volume
- Short-Term Impacts and Effectiveness
- Implementability
- Land Use
- Cost
- Sustainability/Green Remediation

As presented in DER-10, other criterion to be considered when evaluating potential remedial alternatives is community acceptance. The community acceptance assessment will be completed by the NYSDEC after the community comments on the proposed remedial action plan (PRAP) are received, and therefore, the community acceptance assessment is not discussed any further in this FS.

9.1 Alternative SS1 – No Further Action

Alternative SS1 involves no further action for surface soils. Alternative SS1 serves as a baseline to which the other remedial alternatives can be compared for assessment of overall effectiveness. Under the SS1 alternative, the Site would remain in its current condition and would involve natural attenuation to reduce concentrations of COCs in soil. However, no monitoring would be completed to evaluate the effectiveness of natural degradation. It is anticipated that the current cover and fencing would remain in-place and continue to be maintained.

Protection of Human Health and the Environment: Alternative SS1would not be an effective or an independent means of achieving the RAOs. The No Further Action alternative does not include any additional remedial measures to address the Site's COCs. However, to the extent that the existing Site features and conditions (i.e., cover system) are already protective of human health and the environment, and remain intact, aspects of the RAOs would be achieved. Specifically, the existing cover system in the form of established concrete/asphalt/crushed stone and building structures prevents direct contact with or ingestion of soil by site workers and prevents exposures due to windblown dust. However,

this alternative would not be protective of surface soils containing constituents exceeding applicable SCOs or activities involving subsurface intrusive work (i.e., excavation, construction, etc.) in the future, until natural attenuation processes reduce the Site's COCs to acceptable concentrations.

Compliance with SCGs: Removal and/or treatment are not included as part of this remedial alternative, and the RAOs that relate to chemical-specific SCGs would not be obtained. Active remedial measures would not be conducted under this alternative and, as such, action-specific and location-specific SCGs would not be applicable.

Long-Term Effectiveness: There is no remediation technology being implemented; therefore, the environmental and exposure risks at Site will remain the same for the foreseeable future. However, the concentrations of COCs in the soil will persist longer than other alternatives and the risks of future exposures to contaminants can increase if the use of the Site changes, the Site is modified, or if subsurface intrusive work is conducted.

Reduction of Toxicity, Mobility or Volume: With the exception of natural attenuation processes, there will be no change in the contaminant characteristics of the soil by implementing the No Further Action alternative.

Short-Term Effectiveness: Alternative SS1 will not provide any benefits in the short term. However, since there are no additional remediation technologies being implemented, there are no significant short-term risks to the community or environment that must be addressed by this alternative. If future Site activities compromise the integrity of the existing Site cover system, or if interaction with uncovered soils exceeding applicable SCGs is conducted, human exposure to contaminated soils could occur.

Implementability: This alternative is easy to implement. This alternative makes no modifications to the existing conditions at the Site.

Land Use: It is anticipated that regulatory agencies will not accept the alternative SS1 for existing or future land use of the Site or surrounding areas.

Cost: This alternative is the lowest cost alternative evaluated for soil with a total present worth of $0.00 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative SS1 will not use electricity over the life of remedy, generate greenhouse gasses or use heavy equipment resulting in no direct emissions and fuel use. However, alternative SS1 is also not sustainable.

Summary: Although alternative SS1 would be the least expensive alternative, it would represent the greatest risk to public health and the environment. This alternative offers the lowest level of compliance with SCGs. This alternative does not limit the exposure to the existing onsite contamination and, therefore, the Site's RAO's would not be achieved. This alternative has a limited environmental footprint since the use of heavy equipment would be avoided and a remediation system/alternative would not be implemented. However, for the reasons stated herein, alternative SS1 is an impractical alternative.

9.2 Alternative SS2 – Restricted Industrial SCO Engineering Control

Under this alternative an engineering control meeting DER-10 specifications (i.e., impermeable materials, a minimum 1-foot thick layer of DER-10 approved material, fencing with appropriate signage, etc.) will be installed to provide a barrier to the impacted surface soils identified in the RI that contains one or more constituents exceeding their applicable restricted industrial SCOs. This equates to an approximate cumulative area of 2,572 ft^2 (refer to Figure 16). In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Inspection and maintenance of the engineering control would be specified in the site-specific SMP. Documentation of the engineering control integrity and modifications would be provided to the NYSDEC in appropriate time frames and communications (e.g., monthly progress reports, emergency response action notices, annual inspection reports, etc.) and in compliance with the Site-Specific SMP.

Protection of Public Health and the Environment: This alternative provides sufficient protection to both public health and the environment by addressing the surface soils impacted with constituents exceeding the restricted industrial use SCOs. In addition, the SMP to be prepared would address exposures to construction workers performing intrusive activities at the Site. The SMP would identify requirements for use of personal protective equipment, and proper management of any impacted surface soil that is encountered. This alternative would achieve the Site RAO's.

Compliance with SCGs: This alternative would not satisfy all the applicable SCGs. Chemical SCGs would not be achieved since COC concentrations would not be directly addressed. However, interaction with COCs in the surface soils would be prevented by the installation of a DER-10 compliant engineering control (i.e., cover system, fencing, etc.) that provides a barrier to the impacted surface soil that contains constituents exceeding the restricted industrial use SCOs. Compliance with action-specific SCGs would be accomplished by following a NYSDEC-approved remedial action plan and site-specific HASP. Measures would be taken as appropriate to control levels of airborne particulates during ground intrusive activities. Location-specific SCGs would be maintained by conducting work in accordance with local codes and ordinances.

Long Term Effectiveness: This alternative will constitute an effective long term solution due by creating a barrier to impacted surface soils. In addition, the Site' SMP and easements would limit the property uses and provide procedures and guidance for ground intrusive activities.

Reduction in Toxicity, Volume and Mobility: This alternative will not decrease the toxicity and volume of the contaminants in the surface soils. The mobility of the contaminants may be reduced by eliminating windblown migration. Access to the remaining impacted surface soils will be mitigated by the engineering controls, while ground intrusive activities will be conducted in compliance with the Site's SMP.

Short Term Effectiveness: This alternative would provide significant benefits in the short term since an exposure pathway would be eliminated immediately after installation. Relatively low risks to remedial workers would be incurred during installation of the engineering control and could be avoided through the proper use of PPE and work practices.

Implementability: This alternative is implementable using available qualified contractors under the supervision and oversight of qualified field personnel to perform the work. The time to implement this alternative is several weeks, or longer.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: The cost to implement this alternative has an estimated present worth cost of about $10,000 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative SS2 will use minimal electricity over the life of remedy and generate limited greenhouse gasses. Heavy equipment used on the Site would primarily consist of a dump trucks, bulldozers and/or excavators for a limited time, resulting in limited emissions and fuel use. Alternative SS2 is sustainable with proper monitoring and maintenance of the engineering control.

Summary: This alternative provides protection of human health and the environment. Alternative SS2 is comprised of green remediation alternatives and is sustainable. The risk of exposure to soil contamination is low since there will be limited complete pathways through which the public and future workers at the Site may be exposed, and those pathways would be controlled through the institutional and engineering controls. This alternative would remediate the Site in a quicker timeframe than Alternative SS1. This alternative would be

less cost effective than SS3 and more cost effective than Alternative SS4. This alternative would be greener than Alternative SS4.

9.3 Alternative SS3 – Restricted Commercial SCO Engineering Control

Under this alternative an engineering control meeting DER-10 specifications (i.e., impermeable materials, a minimum 1-foot thick layer of DER-10 approved material, fencing with appropriate signage, etc.) will be installed to provide a barrier to the impacted surface soils identified in the RI that contains one or more constituents exceeding their applicable restricted commercial SCOs. This equates to an approximate cumulative area of 16,608 ft^2 (i.e., 2,572 ft^2 + 14,036 ft^2) (refer to Figure 16). In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Inspection and maintenance of the engineering control would be specified in the site-specific SMP. Documentation of engineering control integrity and modifications would be provided to the NYSDEC in appropriate time frames and communications (e.g., monthly progress reports, emergency response action notices, annual inspection reports, etc.) and in compliance with the Site-Specific SMP.

Protection of Public Health and the Environment: This alternative provides sufficient protection to both public health and the environment by addressing the surface soils impacted with constituents exceeding the restricted commercial use SCOs. In addition, the SMP to be prepared would address exposures to construction workers performing intrusive activities at the Site. The SMP would identify requirements for use of personal protective equipment, and proper management of any impacted surface soil that is encountered. This alternative would achieve the Site RAO's.

Compliance with SCGs: This alternative would not satisfy all the applicable SCGs. Chemical specific SCGs would not be achieved since COC concentrations would not be directly addressed. However, COCs in the surface soils would be prevented by the installation of a DER-10 compliant engineering control (i.e., cover system, fencing etc.) that provides a barrier to the impacted surface soil that contains constituents exceeding the restricted industrial use SCOs. Compliance with action-specific SCGs would be accomplished by following a NYSDEC-approved remedial action plan and site-specific HASP. Measures would be taken as appropriate to control levels of airborne particulates during ground intrusive activities. Location-specific SCGs would be maintained by conducting work in accordance with local codes and ordinances.

Long Term Effectiveness: This alternative will constitute an effective long term solution due by creating a barrier to impacted surface soils. In addition, the Site' SMP and easements would limit the property uses and provide procedures and guidance for ground intrusive activities.

Reduction in Toxicity, Volume and Mobility: This alternative will not decrease the toxicity and volume of the contaminants in the surface soils. The mobility of the contaminants may be reduced by eliminating windblown migration. Access to the remaining impacted surface soils will be mitigated by a DER-10 engineering control, while ground intrusive activities will be conducted in compliance with the Site's SMP.

Short Term Effectiveness: This alternative would provide significant benefits in the short term since an exposure pathway would be eliminated immediately after installation. Relatively low risks to remedial workers would be incurred during installation of the engineering control and could be avoided through the proper use of PPE and work practices.

Implementability: This alternative is implementable using available qualified contractors under the supervision and oversight of qualified field personnel to perform the work. The time to implement this alternative is several weeks, or longer.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: The cost to implement this alternative has an estimated present worth cost of about $20,000.00 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative SS3 will use minimal electricity over the life of remedy and generate limited greenhouse gasses. Heavy equipment used on the Site would primarily consist of a dump trucks, bulldozers and excavators for a limited time, resulting in limited emissions and fuel use. Alternative SS3 is sustainable with proper monitoring and maintenance to maintain the integrity of the engineering control.

Summary: This alternative provides protection of human health and the environment. Alternative SS3 is comprised of green remediation alternatives and is sustainable. The risk of exposure to soil contamination is low since there will be limited complete pathways through which the public and future workers at the Site may be exposed, and those pathways would be controlled through the institutional and engineering controls. This alternative would remediate the Site in a quicker timeframe than Alternative S1. This alternative would be more costly than SS2 but less costly than SS4. This alternative would be greener than Alternative SS4.

9.4 Alternative SS4 – Unrestricted Use

Under this alternative an approximate cumulative area of 279,314 ft^2 to a depth of 1 ft. of surface soils containing one or more constituents exceeding their applicable unrestricted use SCOs and/or historic fill material will be physically removed from the surface and disposed off-site refer to Figure 17.

Protection of Human Health and the Environment: This alternative provides sufficient protection to both public health and the environment by physically removing the threat of exposure associated with surface soils. Implementation of this alternative would meet the soil RAOs related to protecting human health and the environment.

Compliance with SCGs: This alternative would satisfy the SCGs by addressing the soils in which existing data indicates that constituent concentrations exceed the unrestricted use SCOs. Action specific SCGs that apply to this alternative are associated with the excavation and disposal of impacted soils, monitoring requirements and health and safety requirements. Compliance with action-specific SCGs will be accomplished by following a NYSDEC-approved remedial action work plan and site-specific HASP. Also, licensed waste transporters and properly permitted disposal facilities would be used to ensure compliance. Lastly, remedial activities would be designed and conducted in accordance with local codes and ordinances.

Long-Term Effectiveness and Permanence: This alternative will constitute an effective long-term solution due to the removal of contaminated surface soil at the Site. There would be no residual risks since the source of the contamination would be removed.

Reduction in Toxicity, Volume and Mobility: This alternative will significantly decrease the volume, toxicity and mobility of the contaminants in the soils at the Site through soil excavation.

Short-Term Effectiveness: This alternative would provide significant benefits in the short term by direct removal of contaminated soil. Potential human exposure, adverse environmental impacts and nuisance conditions at the Site resulting from implementation of this alternative may occur during the implementation of this remedial alternative, which is anticipated to take months to years or more to complete.

Implementability: This alternative is implementable using available and qualified contractors under the supervision and oversight of qualified field personnel to excavate and dispose the contaminated soil, conduct backfill activities and perform site restoration activities. The time frame to complete this remedial alternative is months to a year or more.

Land Use: Once the work was completed, uninterrupted use of the Site would be possible. It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current and anticipated zoning and surrounding land use. The general public that uses the adjacent properties would be affected by increased truck traffic and noise during the work, but would not be affected once the work was completed.

Cost: The cost to implement this soil alternative would be the most expensive alternative with a present worth cost of about $3,860,713.00 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative SS4 will use minimal electricity over the life of remedy. However, heavy equipment used on the Site would primarily consist of excavator, loader, bulldozer and dump trucks resulting in significant emissions, fuel use and greenhouse gasses. Alternative SS4 is sustainable.

Summary: This alternative is the most expensive remedial alternative, although it would restore the Site to unrestricted SCOs and thus be protective to public health and the environment and is sustainable. This alternative would provide more protection to human health and the environment than alternatives SS1, SS2 and SS3. Alternative SS4 is the least green alternative. A site management plan would not be required.

9.5 Alternative S1: No Further Action

Alternative S1 involves no further action for subsurface soils beyond the existing phytoremediation system that was completed prior to the remedial investigation. Alternative S1 serves as a baseline to which the other remedial alternatives can be compared. Under the S1 alternative, the Site would remain in its current condition and would involve phytoremediation processes to reduce concentrations of CVOCs in soil. However, no monitoring would be completed to evaluate the effectiveness of natural degradation or phytoremediation. It is assumed that the current cover system and fencing would remain in-place and be maintained.

Protection of Human Health and the Environment: Alternative S1would not be an effective or an independent means of achieving the RAOs. The No Further Action alternative does not include any additional remedial measures to address the Site's COCs. However, to the extent that the existing Site features and conditions (i.e., cover system) are already protective of human health and the environment, and remain intact, aspects of the RAOs would be achieved. Specifically, the existing cover system in the form of established concrete/asphalt/crushed stone and building structures prevents direct contact with, or ingestion of, soil by site workers and reduces exposures due to windblown dust. However, the current cover system is incomplete, and some complete exposure pathways exist in select

areas. In addition, this alternative would not be protective of activities involving subsurface intrusive work (i.e., excavation, construction, etc.).

Compliance with SCGs: Removal and/or treatment are not included as part of this remedial alternative, and the RAOs that relate to chemical-specific SCGs would not be obtained. Active remedial measures would not be conducted under this alternative and, as such, action-specific and location-specific SCGs would not be applicable.

Long-Term Effectiveness: With the exception of the existing phytoremediation system, there is no remediation technology being implemented; therefore, the environmental and exposure risks at Site will remain the same for the foreseeable future. The concentrations of COCs in the soil will persist posing risks of future exposures. Greater risks may be posed if the use of the Site changes, the Site is modified, or if subsurface intrusive work is conducted.

Reduction of Toxicity, Mobility or Volume: With the exception of the existing phytoremediation system, there will be no change in the contaminant characteristics of the soil by implementing the alternative S1.

Short-Term Effectiveness: Alternative S1 will not provide any benefits in the short term. However, since there are no additional remediation technologies being implemented, there are no significant short-term risks to the community or environment that must be addressed by this alternative. Also, in select areas of the Site, and/or if future Site activities compromise the integrity of the existing Site cover system, human exposure to contaminated soils could occur.

Implementability: This alternative is easy to implement. This alternative makes no modifications to the existing conditions at the Site.

Land Use: It is anticipated that regulatory agencies will not accept alternative S1 for existing or future land use of the Site or surrounding areas.

Cost: This alternative has an estimated total present worth of $0.00 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative S1 will not use electricity over the life of remedy, generate greenhouse gasses or use heavy equipment resulting in no direct emissions and fuel use. However, alternative S1 is also not sustainable.

Summary: Although alternative S1 would be the least expensive alternative, it would represent the greatest risk to public health and the environment and is not sustainable. This alternative offers the lowest level of compliance with SCGs. This alternative does not limit the exposure to the remaining onsite contamination and, therefore, the Site's RAO's would

not be achieved. This alternative has a limited environmental footprint since the use of heavy equipment would be avoided and a remediation system/alternative would not be implemented. However, for the reasons stated herein, alternative S1 is an impractical alternative.

9.6 Alternative S2: Institutional Controls / Bioremediation / Phytoremediation

Alternative S2 involves institutional controls (e.g., environmental easement, etc.) to restrict Site use and the implementation of a SMP. The SMP will provide procedures for handling, characterizing, transporting and disposing of subsurface soil in the event ground intrusive work is performed at the Site. A second component of Alternative S2 involves bioremediation of the saturated soils and capillary fringe zone by amending, the subsurface with electron donor and nutrients to promote the growth of dehalococcoides microbes capable of respiring CVOCs, (refer to Figure 16). The contaminated saturated zone soils along the northern property boundary will continue to be remediated via phytoremediation by promoting the growth and development of the hybrid poplar and willow trees currently established along the northern property line of the Site.

Current and future property owners would be required to complete and submit annual certification to the NYSDEC that administrative controls and remedial components were put in place as part of the Site remedy, are still in place, have not been altered, and are still effective.

Protection of Public Health and the Environment: This alternative provides sufficient protection to both public health and the environment by addressing the most contaminated subsurface soils and limiting access to subsurface contaminated soils with site management options. In addition, the SMP to be prepared would address exposures to construction workers performing intrusive activities at the Site. The SMP would identify requirements for use of personal protective equipment, and proper management of any impacted subsurface soil that is encountered. The saturated soils along the northern property boundary will continue to be addressed via phytoremediation. This alternative would achieve the Site RAO's.

Compliance with SCGs: This alternative would not satisfy the SCGs in all locations. CVOCs in the area where the greatest CVOC concentrations were identified (i.e., in proximity to MW-5), and in a secondary source area (i.e., in proximity to TB-H), would be addressed via bioremediation. However, the interior secondary source areas (i.e., in proximity of TB-B, TB-E, TB-F, TB-K, TB-S and MW-17) and exterior source area TB-N would remain untreated and above the applicable SCGs. While exceedance of certain chemical specific SCGs exist, such exceedances do not necessarily equate to current risk to human health or the environment. Measures to address potential exposure pathways could be implemented as part

of this alternative. Compliance with action-specific SCGs would be accomplished by following a NYSDEC-approved remedial action plan and site-specific HASP. Measures would be taken as appropriate to control levels of airborne particulates during ground intrusive activities. Prior to completing injection work, an EPA Underground Injection Control Permit Application will be completed. Location-specific SCGs would be maintained by conducting work in accordance with local codes and ordinances.

Long Term Effectiveness: This alternative will constitute an effective long-term solution due to bioremediation of the subsurface soils that contained the greatest CVOC concentrations at the Site. There may be some residual risks due to inefficiencies in amendment distribution, and presence of secondary source areas; however, the Site's SMP and environmental easement would limit the property uses and provide procedures and guidance when conducting ground intrusive activities.

Reduction in Toxicity, Volume and Mobility: This alternative will decrease the toxicity and volume of the contaminants in the saturated soils. Access to the remaining impacted subsurface soils will be mitigated by the engineering control, while ground intrusive activities will be conducted in compliance with the Site's SMP. In addition, saturated soils along the northern property boundary will continue to be addressed via phytoremediation.

Short Term Effectiveness: This alternative would not provide significant benefits in the short term since it would take months to years to establish a dehalococcoides microbe population large enough to reduce the COC concentrations. However, since direct contact with the contaminated soils will be limited to intrusive activities, exposure during implementation of remedial activities would be limited.

Implementability: This alternative is implementable through temporary injection points using available qualified contractors under the supervision and oversight of qualified field personnel to perform the injections and site restoration. The time to implement this alternative is several months, or longer.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: The cost to implement this alternative has an estimated present worth cost of about $180,836.15 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative S2 will use minimal electricity over the life of remedy and generate limited greenhouse gasses. Heavy equipment used on the Site would primarily consist of a direct push injection rig resulting in limited emissions

and fuel use. Alternative S2 is sustainable with proper monitoring and maintenance to keep viable populations of microbes present in the MW-5 area and TB-H area, and the phytoremediation tress pruned and healthy.

Summary: This alternative provides protection of human health and the environment. Alternative S2 is comprised of green remediation alternatives and is sustainable. Some locations will not achieve the chemical specific SCGs. The risk of exposure to remaining soil contamination is low since there will be limited complete pathways through which the public and future workers at the Site may be exposed to contaminated soil, and those pathways would be controlled through the institutional and engineering controls. This alternative would remediate the Site in a quicker timeframe than Alternative S1. This alternative would be more cost effective than Alternatives S3.

9.7 Alternative S3: Site Excavation

Alternative S3 includes excavation and removal of historic fill, unsaturated soil and saturated soil that exhibit constituents at concentrations exceeding their unrestricted use SCOs. Alternative S3 results in the excavation of approximately 19,655 cubic yards of historic fill material over an approximate area of 279,314 ft^2 and would extend to an average depth of approximately 1.9 ft. bgs (actual excavation depths are anticipated to range between 0.5 ft. and 7.5 ft. bgs). In addition, approximately 16,683 cubic yards of impacted soil over an approximate area of 52,994 ft^2extending to an average depth of 8.5 ft. bgs would be excavated. [Note: The FS assumes that impacted soil below the historic fill material would be removed prior to backfilling the historic fill excavation.] The approximate excavation limits under this alternative are presented on Figure 17. It is assumed that dewatering, shoring, air monitoring, vapor control, confirmatory sampling, water treatment etc. would be necessary measures to ensure a successful project. Alternative S3 is the most aggressive and expensive soil remedial alternative.

Protection of Human Health and the Environment: This alternative provides sufficient protection to both public health and the environment by physically removing the threat of exposure associated with soils. Implementation of this alternative would meet the soil RAOs related to protecting human health and the environment.

Compliance with SCGs: This alternative would address the soils in which existing data indicates that constituent concentrations exceed the unrestricted use SCOs. Action specific SCGs that apply to this alternative are associated with the excavation and disposal of impacted soils, removal and treatment of groundwater and/or storm water from the excavation, monitoring requirements and health and safety requirements. Process residuals generated during the implementation of this remedial alternative that are not re-used (i.e., activated carbon associated with a temporary groundwater treatment system, etc.) would be

characterized to determine the appropriate off-site disposal requirements. Compliance with action-specific SCGs will be accomplished by following a NYSDEC-approved remedial action work plan and site-specific HASP. Also, licensed waste transporters and properly permitted disposal facilities would be used to ensure compliance. Lastly, remedial activities would be designed and conducted in accordance with local codes and ordinances. As such, Alternative S3 would satisfy the Site SCGs.

Long-Term Effectiveness and Permanence: This alternative will constitute an effective long term solution due to the removal of all the contaminated soil at the Site. There would be no residual risks since the source of the contamination would be removed.

Reduction in Toxicity, Volume and Mobility: This alternative will eliminate the volume, mobility, and toxicity of the contaminants in the soils at the Site through soil excavation. [Note: The dewatering under this alternative would also result in the capture, removal and treatment of potentially impacted overburden groundwater at the Site. Dewatering of the excavation areas would be considered complementary to the selected groundwater remedial alterative and would not be relied upon to meet SCGs. If required, the collected excavation water would be treated prior to discharge to the sanitary or combined public sewer system in order to meet effluent requirements as specified in the regulatory permit.]

Short-Term Effectiveness: This alternative would provide significant benefits in the short term by direct removal of contaminated soil. Potential human exposure, adverse environmental impacts and nuisance conditions at the Site may occur during the implementation of this remedial alternative, which is anticipated to take years to complete.

Implementability: This alternative is implementable after building and associated utilities demolition using available and qualified contractors under the supervision and oversight of qualified field personnel. The time frame to complete this remedial alternative is several years.

Land Use: Once the work was completed, uninterrupted use of the Site would be possible. It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be less restricted than the current and anticipated zoning and surrounding land use. The general public that uses the adjacent properties would be affected by increased truck traffic and noise during the work, but would not be affected once the work was completed.

Cost: The cost to implement this soil alternative has an estimated with a present worth cost of about $7,721,426.00 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative S3 will use minimal electricity over the life of remedy. Use of heavy equipment (i.e., excavator, loader, and dump trucks, etc.) during implementation of this alternative would result in significant emissions, fuel use and greenhouse gasses. Alternative S3 is sustainable.

Summary: This alternative is the most expensive remedial alternative, although it would restore the Site to unrestricted SCOs and thus be protective to public health and the environment and it would be sustainable. This alternative would provide more protection to human health and the environment than alternatives S1, and S2. Alternative S3 is the least green alternative. A site management plan would not be required.

9.8 Alternative OBGW1: No Action

Alternative OBGW1 involves no further action beyond the phytoremediation measure completed prior to the remedial investigation. Alternative OBGW1 serves as a baseline to which the other remedial alternatives can be compared. Under the OBGW1 alternative, the Site would be allowed to remain in its current condition and would involve natural attenuation and phytoremediation processes to reduce concentrations of CVOCs in overburden groundwater. However, no monitoring would be completed to evaluate the effectiveness of natural degradation and the phytoremediation. It is anticipated that the current Site cover and fencing would remain and be maintained.

Protection of Human Health and the Environment: Alternative OBGW1 would not be an effective or an independent means of achieving the RAOs. Alternative OBGW1 does not include any additional remedial measures to address the Site's COCs beyond the phytoremediation being implemented along the Site's northern property line. However, to the extent that the existing site features and conditions (i.e., cover system) are already protective of human health and the environment, and remain intact, aspects of the RAOs would be achieved. Specifically, the existing cover system in the form of established concrete/asphalt/crushed stone and building structures prevents direct contact with or ingestion of groundwater by site workers. However, this alternative would not be protective of activities involving subsurface intrusive work (i.e., excavation, construction, etc.) that encounter groundwater. Also, if future Site activities compromise the integrity of the existing cover system at the Site, or groundwater use is initiated, human exposure to contaminated groundwater could occur.

Compliance with SCGs: Removal and/or treatment of overburden groundwater is not included as part of this remedial alternative, and the RAOs that relate to chemical specific SCGs would not be achieved. Additional active remedial measures would not be conducted under this alternative and, as such, action- specific and location-specific SCGs would not be applicable.

Long-Term Effectiveness: There is no additional remediation technology being implemented; therefore, the environmental and exposure risks at the Site will remain the same for the foreseeable future. However, the concentrations of COCs in the groundwater will persist and the risk of future exposures to contaminants can increase if the use of the Site changes, the Site is modified, or if subsurface intrusive work is conducted.

Reduction of Toxicity, Mobility or Volume: With the possible exception of natural attenuation processes and the existing phytoremediation system, there is no change in the contaminant characteristics of the groundwater by implementing alternative OBGW1. As such, there would be minimal or no reduction of toxicity, mobility or volume associated with alternative OBGW1.

Short-Term Effectiveness: Alternative OBGW1 will not provide any benefits in the short term. However, since no additional remediation technologies would be implemented, there are no significant short-term risks to the community or environment that must be addressed by this alternative.

Implementability: This alternative is easy to implement. This alternative makes no modifications to the existing conditions at the Site.

Land Use: It is anticipated that regulatory agencies will not accept alternative OBGW1 for existing or future land use of the Site or surrounding areas. Implementation of this alternative could result in adverse impacts to the general public that uses the adjacent properties.

Cost: The cost of this alternative has an estimated total present worth of $0.00 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative OBGW1 will not use electricity over the life of remedy, generate greenhouse gasses or use heavy equipment resulting in no direct emissions and fuel use. However, alternative OBGW1 is also not sustainable.

Summary: Although the No Further Action alternative would be the least expensive and greenest alternative, it would represent the greatest risk to public health and the environment and it is not sustainable. This alternative offers the lowest level of compliance with SCGs. This alternative does not limit the exposure to the remaining on-site contamination and, therefore, the Site's RAO's would not be achieved. For the reasons stated herein the No Further Action alternative is an impractical alternative.

9.9 Alternative OBGW2: Institutional Controls / Containment / Groundwater Monitoring / Bioremediation / Phytoremediation / Natural Attenuation

Alternative OBGW2 involves, in part, institutional controls (e.g., environmental easement to restrict the Site uses, groundwater uses, etc.) for the Site, including the implementation of a SMP. The SMP will provide procedures for handling, characterizing, transporting and disposing of groundwater in the event ground intrusive work is performed at the Site. The concentrations of CVOCs in the overburden groundwater in proximity to MW-5 (i.e., the primary plume) would be initially addressed by a groundwater extraction in this location to remove dissolved contaminants and establish hydraulic control, which would contain the existing CVOC (e.g., cis-1,2-DCE) primary plume identified during the RI (refer to Figure 7). Following contaminant mass removal and achievement of steady-state asymptotic conditions, the third component of alternative OBGW2 would be initiated and consist of bioremediation of the overburden groundwater in proximity of MW-5. For dechlorination of CVOCs, the saturated subsurface will be amended with electron donors and nutrients via injections (refer to Figure 16) to promote the growth of dehalococcoides microbes capable of respiring CVOCs. The northern property boundary will continue to be remediated via phytoremediation by promoting the growth and development of the hybrid poplar and willow trees established at the Site. Lastly, the residual impacted groundwater would be monitored in accordance with a NYSDEC-approved plan and it is anticipated that remediation of the overburden media coupled with natural attenuation would result in the overburden groundwater CVOC concentrations reducing to acceptable levels across the Site.

Current and future property owners would be required to complete and submit annual certification to the NYSDEC that administrative controls and remedial components were put in place as part of the Site remedy, are still in place, have not been altered, and are still effective.

Protection of Public Health and the Environment: Assuming improvement of groundwater conditions can be achieved at the perimeter of the Site as a result of the remedial activities associated with this remedial alternative, this alternative provides sufficient protection to both public health and the environment by addressing the overburden groundwater areas that contain the greatest CVOC concentrations, and limiting access to groundwater with site management options. In addition, the SMP to be prepared would address exposures to construction workers performing intrusive activities below the water table. The SMP would identify requirements for use of personal protective equipment and proper management of any impacted groundwater that is encountered. The groundwater along the northern property boundary will continue to be addressed via phytoremediation. This alternative would achieve the Site RAO's.

Compliance with SCGs: This alternative would not satisfy the chemical specific SCGs in all locations. The overburden groundwater containing the greatest CVOC concentrations (i.e., in proximity to MW-5), would be removed and contained by pumping. The remaining impacted groundwater in proximity to MW-5 would be treated via bioremediation and the groundwater would remain on-site below the existing Site cover. However, as part of this alternative, any secondary source areas (i.e., TB-B, TB-E, TB-F, TB-H, TB-K, TB-N, TB-S and MW-17) would remain in-place and untreated. As a result, the associated groundwater concentrations in the secondary source areas would remain above chemical specific SCGs. Action-specific SCGs that apply to this alternative are associated with installing groundwater extraction well(s) and associated piping, injecting electron donors and nutrients into the subsurface at accessible locations, meeting sewer use discharge limits, and monitoring groundwater conditions. Workers and work activities that occur during implementation of this alternative would comply with OSHA requirements for training, safety equipment and procedures, monitoring and reporting. Compliance with action-specific SCGs would be accomplished by following a NYSDEC-approved remedial action plan and site-specific HASP. Measures would be taken as appropriate to control levels of airborne particulates during ground intrusive activities. Prior to completing injection work, an EPA Underground Injection Control Permit Application would be completed. Location-specific SCGs would be maintained by conducting work in accordance with local codes and ordinances.

Long Term Effectiveness: Targeted groundwater extraction coupled with bioremediation is an effective remedial measure to reduce the concentrations of CVOCs in the overburden groundwater in the MW-5 area. However, the secondary sources would remain in place and untreated preventing long-term effectiveness in those areas. By addressing the MW-5 area, the cumulative direct contact, ingestion and inhalation risks would be reduced in the long-term. Potential exposures would be further reduced by land use restrictions and adherence to a site-specific SMP. The land use restrictions and SMP would be kept in place, unchanged, unless Site conditions changed and modifications to the institutional controls and other remedial components were necessary. Groundwater monitoring would be completed in accordance with a NYSDEC-approved plan to document/monitor the groundwater conditions as remediation is implemented. The monitoring program would include evaluation of bioremediation parameters to assist in optimizing this remedial alternative component, and evaluation of the CVOC groundwater concentrations at the Site and its property boundaries to monitor the effectiveness of the remedial alternative.

Reduction in Toxicity, Volume and Mobility: Targeted groundwater extraction (coupled with bioremediation should significantly decrease the volume of the contaminants in the groundwater in the MW-5 area. The mobility of constituents in groundwater would not be affected by bioremediation; however, the groundwater extraction well in proximity of MW-5 would reduce the mobility of the primary plume. However, the secondary sources would remain in-place, untreated resulting in negligible reduction in toxicity and volume in those

areas. The northern property boundary would continue to be addressed via phytoremediation. By reducing the toxicity, mobility and volume of COCs in groundwater, this alternative reduces the potential impacts to human health and the environment.

Short Term Effectiveness: During subsurface work that would be conducted as part of this alternative (drilling, injection wells, trenching, etc.), remedial construction workers would potentially be exposed to impacted groundwater by ingestion, dermal contact and/or inhalation. Potential exposure of on-site workers would be minimized by proper use of PPE as specified in the site-specific HASP. Air monitoring would be performed during the subsurface work conducted under this alternative to determine the need for additional engineering controls, and/or to confirm that dust and VOC vapors are within acceptable levels, as specified in a site-specific HASP. The anticipated reduction in concentrations of CVOCs in groundwater would not take place in the short term, and is expected to take years. However, the benefit of plume containment would be achieved in the short-term through the groundwater extraction system. The residual impacted groundwater would be monitored in accordance with a NYSDEC-approved plan and it is anticipated that remediation of the overburden media coupled with natural attenuation would result in the overburden groundwater CVOC concentrations reducing to acceptable levels across the Site.

Implementability: Targeted groundwater extraction coupled with bioremediation is technically feasible and proven technologies. This alternative can be implemented using available qualified contractors under the supervision and oversight of qualified field personnel to perform the work. The time to implement this alternative is several months to install and startup the targeted groundwater extraction system, several months for the bioremediation injection phase once asymptotic concentrations of CVOCs are obtained in the groundwater treatment system influent, and then months to years to establish a sustainable, robust microbe population capable of remediating the mass flux of COCs into the treatment area.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: The cost to implement this alternative has an estimated total present worth of about $669,259.54 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative OBGW2 will use electricity during the groundwater extraction and treatment phase of the remedy and generate greenhouse gasses. Heavy equipment used on the Site would primarily consist of a direct push injection rig resulting in limited emissions and fuel use. Alternative OBGW2 is

sustainable with proper monitoring and maintenance to sustain viable populations of microbes, and keep phytoremediation tress pruned and healthy.

Summary: Alternative OBGW2 provides protection of human health and the environment and is sustainable. The risk of exposure to remaining groundwater contamination is low since there will be limited complete pathways through which the public and future workers at the Site may be exposed to contaminated groundwater, and these pathways would be controlled through the uses of institutional controls. This alternative would provide remediation of the Site in a quicker timeframe than Alternative OBGW1. This alternative would be more cost effective than Alternative OBGW3 and OBGW4. This alternative is less green than OBGW1 and greener than OBGW3 and OBGW4.

9.10 Alternative OBGW3: Institutional Controls / Containment / Groundwater Monitoring / Bioremediation / Phytoremediation / Site Perimeter Controls / Natural Attenuation

Alternative OBGW3 involves, in part, institutional controls (e.g., environmental easement to restrict the Site uses, groundwater uses, etc.) for the Site, including the implementation of a SMP. The SMP will provide procedures for handling, characterizing, transporting and disposing of groundwater in the event ground intrusive work is performed at the Site. The concentrations of CVOCs in the overburden groundwater in proximity to MW-5 would be initially addressed by groundwater extraction in this location to remove dissolved contaminants and establish hydraulic control, which would contain the existing CVOC (e.g., cis-1,2-DCE) primary plume identified during the RI (refer to Figure 7). Following contaminant mass removal and achievement of steady-state asymptotic conditions, the third component of alternative OBGW3 involving bioremediation of the overburden groundwater in proximity to MW-5 and TB-H will be implemented. For dechlorination of CVOCs in the MW-5 and TB-H areas, the subsurface will be amended in accessible locations with electron donors and nutrients to promote the growth of dehalococcoides microbes capable of respiring CVOCs (refer to Figure 16). The interior secondary source areas (i.e., TB-B, TB-E, TB-F, TB-K, TB-S, and MW-17) would be addressed by groundwater extraction (extraction well EW-2) down-gradient of these sources (refer to Figure 16). It is assumed that the exterior secondary source in proximity to TB-N would also be captured by the groundwater extraction system. Lastly, monitoring well MW-17 will be converted into an extraction well (EW-3) to address the CVOC impacts identified in this location. The northern property boundary will continue to be remediated via phytoremediation by promoting the growth and development of the hybrid poplar and willow trees established at the Site. Residual impacted groundwater would be monitored in accordance with a NYSDEC-approved plan and it is anticipated that remediation of the overburden media coupled with natural attenuation would result in the overburden groundwater CVOC concentrations reducing to acceptable levels across the Site.

If elevated concentrations of CVOCs are identified following bioremediation in the MW-5 area and potential off-site migration of CVOCs is a concern, the installation of contingency groundwater perimeter controls (e.g., liquid activated carbon PRB, additional extraction wells, or similar containment technology) may be warranted up-gradient of the sensitive receptor. The need for the contingency measures will be evaluated on a periodic basis (e.g., after each annual groundwater monitoring event, etc.) after the bioremediation injections are completed, and will be based on the observed trends of the groundwater monitoring results from the perimeter wells during that period of time. It is anticipated the contingency Site perimeter groundwater control will consist of a liquid activated carbon and EVO PRB installed within the saturated zone to the top of bedrock (i.e., approximately 8 ft. bgs to 12 ft. bgs) using direct-push injection equipment. Based on available vendor literature, and assuming the presence of sufficient available substrate (i.e., EVO), the activated carbon particles will become colonized by dehalococcoides microbes resulting in anaerobic bioremediation of the sorbed CVOCs, thereby regenerating the activated carbon sorption sites. This process promotes additional CVOC partitioning from the saturated zone and continuation of a regenerative remedial cycle allowing for extended PRB life and target receptor protection.

Current and future property owners would be required to complete and submit annual certification to the NYSDEC that administrative controls and remedial components were put in place as part of the Site remedy, are still in place, have not been altered, and are still effective.

Protection of Public Health and the Environment: Alternative OBGW3 provides sufficient protection to both public health and the environment by addressing the most contaminated overburden groundwater area and the TB-H secondary source area, containing the other secondary source areas, and limiting access to groundwater with site management options. Alternative OBGW3 also provides a contingency perimeter groundwater control (i.e., PRB, additional groundwater extraction wells, etc.)) to address off-site exposures to sensitive receptors if warranted by post-remediation groundwater monitoring. In addition, the SMP to be prepared would address exposures to construction workers performing intrusive activities below the water table. The SMP would identify requirements for use of personal protective equipment, and proper management of impacted groundwater that may be encountered. The groundwater along the northern property boundary will continue to be addressed via phytoremediation. This alternative would achieve the Site RAO's.

Compliance with SCGs: This alternative would not satisfy all the chemical specific SCGs. Groundwater containing the greatest concentrations of CVOCs (i.e., in proximity to MW-5) would be removed and contained by groundwater extraction. The remaining impacted groundwater in proximity to MW-5, and the groundwater in proximity to TB-H, would be treated via bioremediation. The other interior secondary source areas and exterior secondary

source area TB-N would be contained by groundwater extraction; however, active remediation in these secondary source areas would not be completed and chemical specific SCGs are unlikely to be achieved within a short time frame. While exceedances of certain chemical specific SCGs would exist, such exceedances do not necessarily equate to current risk to human health or the environment. Measures to address potential exposure pathways would be implemented as part of this remedial alternative. If warranted by post-remediation groundwater monitoring, potential CVOCs migrating off-site would be addressed by contingency Site-perimeter controls (i.e., PRBs, groundwater extraction wells, etc.). Action-specific SCGs that apply to this alternative are associated with installing groundwater extraction well(s) and associated piping, injecting electron donors and nutrients into the subsurface at accessible locations, meeting sewer use discharge limits, installation of PRB (if warranted), and monitoring groundwater conditions. Workers and work activities that occur during implementation of this alternative would comply with OSHA requirements for training, safety equipment and procedures, monitoring and reporting. Compliance with action-specific SCGs would be accomplished by following a NYSDEC-approved remedial action plan and site-specific HASP. Measures would be taken as appropriate to control levels of airborne particulate matter during ground intrusive activities. Prior to completing injection work, an EPA Underground Injection Control Permit Application would be completed. Location-specific SCGs would be maintained by conducting work in accordance with local codes and ordinances.

Long Term Effectiveness: Targeted groundwater extraction coupled with bioremediation is an effective remedial measure to reduce the concentrations of CVOCs in the overburden groundwater in the MW-5 and TB-H areas. The other interior secondary source areas and exterior secondary source area TB-N would be effectively contained by groundwater extraction. Direct contact, ingestion and inhalation risks would be reduced in the long-term. Potential exposures would be further reduced by land use restrictions and adherence to a site-specific SMP. The land use restrictions and SMP would be kept in place, unchanged, unless Site conditions changed and modifications to the institutional controls and other remedial components were necessary. Groundwater monitoring would be completed in accordance with a NYSDEC-approved plan to document/monitor the groundwater conditions as remediation is implemented. The monitoring program would include evaluation of bioremediation parameters to assist in optimizing this remedial alternative component, and evaluation of the CVOC concentrations in groundwater at the Site and its property boundaries to monitoring remedial effectiveness. In the event that long-term remedial effectiveness is compromised, down-gradient Site perimeter controls may be completed to be protective of sensitive receptors.

Reduction in Toxicity, Volume and Mobility: Targeted groundwater extraction coupled with bioremediation would decrease the volume of the contaminants in the groundwater in the

MW-5 and TB-H areas. The mobility of constituents in groundwater would be influenced by the groundwater extraction system. The northern property boundary would continue to be addressed via phytoremediation. In the event that mobility reduction is not occuring, down-gradient Site perimeter controls may be completed to be protective of target sensitive receptors.

Short Term Effectiveness: During subsurface work that would be conducted as part of this alternative (drilling, injection wells, trenching, etc.), remedial construction workers would potentially be exposed to impacted groundwater by ingestion, dermal contact and/or inhalation. Potential exposure of on-site workers would be minimized by proper use of PPE as specified in the site-specific HASP. Air monitoring would be performed during the subsurface work conducted under this alternative to determine the need for additional engineering controls, and/or to confirm that dust and VOC vapors are within acceptable levels, as specified in a site-specific HASP. The benefit of plume containment would be achieved in the short-term through the implementation of the groundwater extraction system. The residual impacted groundwater would be monitored in accordance with a NYSDEC-approved plan and it is anticipated that remediation of the overburden media coupled with natural attenuation would result in the overburden groundwater CVOC concentrations reducing to acceptable levels across the Site.

Implementability: Targeted groundwater extraction coupled with bioremediation and contingency Site Perimeter groundwater controls (i.e., PRBs, additional groundwater extraction wells, etc.) are technically feasible and proven technologies. This alternative can be implemented using available qualified contractors under the supervision and oversight of qualified field personnel to perform the work. The time to implement this alternative is several months to install and startup the targeted groundwater extraction system, several months for the bioremediation injection phase once asymptotic concentrations of CVOCs are obtained in the groundwater treatment system influent, and then months to years to establish a sustainable, robust microbe population capable of remediating the mass flux of COCs into the treatment area.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would meet the current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: The cost to implement this alternative has an estimated total present worth of about $716,126.94 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative OBGW3 will use electricity during the groundwater extraction and treatment phase of the remedy and generate greenhouse gasses. Heavy equipment used on the Site would primarily consist of a direct

push injection rig resulting in limited emissions and fuel use. Alternative OBGW3 is sustainable with proper monitoring and maintenance to sustain viable populations of microbes, and to keep the phytoremediation tress pruned and healthy.

Summary: Alternative OBGW3 provides protection of human health and the environment and is sustainable. The risk of exposure to remaining groundwater contamination is low since there will be limited complete pathways through which the public and future workers at the Site may be exposed to contaminated groundwater, and these pathways would be controlled through the uses of institutional controls. This alternative would provide remediation of the Site in a quicker timeframe than Alternative OBGW1. This alternative would be more cost effective than Alternative OBGW4. Remedial alternative OBGW3 is less green than OBGW1and to OBGW2, and greener than OBGW4. Alternative OBGW3 does provide greater control and remediation of the groundwater plume than OBGW1 and OBGW2.

9.11 Alternative OBGW4: Site Wide In-Situ Chemical Oxidation

This alternative involves the treatment of overburden groundwater through in-situ chemical oxidation (ICO) of CVOCs. The treatment process involves chemical oxidant injection points in a grid throughout the impacted area. [Note: A treatability study will be necessary to determine the required treatment program (i.e., injection point spacing, chemical consumption rates, etc.).] The preliminary design utilized for the purpose of this FS is based on analytical laboratory data from the RI, and using potassium permanganate as the chemical oxidant. This remedial alternative assumes the existing buildings and infrastructure would need to be demolished or vacant/abandoned prior to implementation of the ICO. It is estimated that 472 injection points extending to the top of rock (approximately 12 ft. bgs) would deliver the potassium permanganate into the subsurface. It is assumed that approximately three treatment applications would be required over a one to two year period. The treatment applications are estimated to require approximately 253,250 pounds of permanganate. Refer to Figure 17 for the preliminary remedial design for Alternative OBGW4. Alternative OBGW4 is the most aggressive and expensive overburden groundwater remedial alternative.

Protection of Public Health and the Environment: Implementation of alternative OBGW4 would meet the groundwater RAOs related to protecting human health and the environment. Concentrations of CVOCs in groundwater would be significantly reduced by converting contaminants to non-hazardous compounds. By reducing the toxicity and volume of COCs in groundwater, this alternative limits the potential impacts to human health and the environment.

Compliance with SCGs: This alternative would satisfy the chemical specific SCGs by treating impacted groundwater via chemical oxidation. This alternative should reduce

CVOCs concentrations to below water quality standards or guidance values. Action-specific SCGs that apply to this alternative are associated with completing injection points/wells, injecting chemical oxidant into the subsurface, and monitoring groundwater conditions. Workers and work activities that occur during implementation of this alternative would comply with OSHA requirements for training, safety equipment and procedures, monitoring and reporting. Compliance with action-specific SCGs would be accomplished by following a NYSDEC-approved remedial action plan and site-specific HASP. Measures would be taken as appropriate to control levels of airborne particulate matter during ground intrusive activities. Prior to completing injection work, an EPA Underground Injection Control Inventory Application would be completed. Location-specific SCGs would be maintained by conducting work in accordance with local codes and ordinances.

Long Term Effectiveness: Degradation of CVOCs to non-hazardous forms is a permanent remedy. Direct contact, ingestion, and inhalation would be reduced in the long-term due to decreased CVOC concentrations. Long-term monitoring would be completed to evaluate changes in groundwater conditions. An SMP or an environmental easement would not be necessary.

Reduction in Toxicity, Volume and Mobility: OBGW4 would significantly decrease the toxicity and volume of the contaminants in the groundwater. The mobility of constituents in groundwater would not be affected by chemical oxidation, since groundwater flow rates and patterns would not be affected. The northern property boundary would also continue to be addressed via phytoremediation.

Short Term Effectiveness: During subsurface work that would be conducted as part of alternative OBGW4 (drilling, injection wells, trenching, etc.), remedial construction workers would potentially be exposed to impacted groundwater by ingestion, dermal contact and/or inhalation. Potential exposure of on-site workers would be minimized by proper use of PPE as specified in a site-specific HASP. Air monitoring would be performed during the subsurface work conducted under this alternative to determine the need for additional engineering controls, and/or to confirm that dust and VOC vapors are within acceptable levels, as specified in the site-specific HASP and CAMP. The anticipated reduction in concentrations of CVOCs in groundwater would take place in the short term, and is expected to take several months to years to complete.

Implementability: Chemical oxidation is technically feasible and a proven technology, however, it would require the building utilities to be decommissioned and unimpeded access (i.e., no building or a vacant building). Alternative OBGW4 is implementable through temporary injection points using available qualified contractors under the supervision and oversight of qualified field personnel to perform the injections and site restoration. The time to implement this alternative is several months to a year for the treatability/pilot study,

several months for the injection phase, and several months to a year or more to establish contaminant trends.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: The cost to implement alternative OBGW4 has an estimated total present worth of about $8,148,016.26, (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative OBGW4 will use minimal electricity over the life of remedy. Alternative OBGW4 will use a significant mass of chemical. Heavy equipment (i.e., drill rig, demolition machinery, etc.) used on the Site would result in significant emissions, fuel use and greenhouse gasses. Alternative OBGW4 is sustainable.

Summary: This alternative is the most expensive overburden groundwater remedial alternative, and would restore the Site to meet TOGs SCGs. Alternative OBGW4 would provide a higher level of protection to human health and the environment than alternatives OBGW1, OBGW2 and OBGW3. This alternative is the least green alternative. A SMP and environmental easement would not be required.

9.12 Alternative BRGW1: No Action

Alternative BRGW1 involves no further action. Alternative BRGW1 serves as a baseline to which the other remedial alternatives can be compared for assessment of overall effectiveness. Under the BRGW1 alternative, the Site would be allowed to remain in its current condition and would involve natural attenuation processes to reduce concentrations of CVOCs in bedrock groundwater. However, monitoring would not be completed to evaluate the effectiveness of natural degradation. It is anticipated that the current cover and fencing would remain and be maintained.

Protection of Human Health and the Environment: Alternative BRGW1 would not be an effective or an independent means of achieving the RAOs. Alternative BRGW1 does not include any additional remedial measures to address the Site's COCs beyond natural attenuation a. However, to the extent that the existing site features and conditions (i.e., cover system) are already protective of human health and the environment, and remain intact, aspects of the RAOs would be achieved. Specifically, the existing cover system in the form of established concrete/asphalt/crushed stone and building structures prevents direct contact with or ingestion of groundwater by site workers. However, this alternative would not be protective of activities involving subsurface intrusive work (i.e., excavation, construction,

etc.) that encounter bedrock groundwater. Also, if future Site activities compromise the integrity of the existing cover system at the Site, or bedrock groundwater use is initiated, human exposure to contaminated groundwater could occur.

Compliance with SCGs: Removal and/or treatment are not included as part of alternative BRGW1, and chemical specific SCGs would not be achieved. Additional active remedial measures would not be conducted under this alternative and, as such, action- specific and location-specific SCGs would not be applicable.

Long-Term Effectiveness: There is no additional remediation technology being implemented; therefore, the environmental and exposure risks at the Site will remain the same for the foreseeable future. However, the concentrations of COCs in the groundwater will persist longer than the other alternatives and future exposures to contaminants can increase if the use of the Site changes, the Site is modified, or if subsurface intrusive work is conducted.

Reduction of Toxicity, Mobility or Volume: With the exception of natural attenuation processes there is no change in the contaminant characteristics of the groundwater by implementing alternative BRGW1. As such, there would be minimal or no reduction of toxicity, mobility or volume associated with alternative BRGW1.

Short-Term Effectiveness: Alternative BRGW1 will not provide any benefits in the short term. However, since no additional remediation technologies would be implemented, there are no significant short-term risks to the community or environment that must be addressed by this alternative.

Implementability: This alternative is easy to implement. This alternative makes no modifications to the existing conditions at the Site.

Land Use: It is anticipated that regulatory agencies will not accept alternative BRGW1 for existing or future land use of the Site or surrounding areas. Implementation of this alternative could result in adverse impacts to the general public that uses adjacent properties.

Cost: Alternative BRGW1 has an estimated a total present worth of $0.00 (refer to Table FS-1).

Green Remediation Evaluation: Alternative BRGW1 will not use electricity over the life of remedy, generate greenhouse gasses or use heavy equipment resulting in no direct emissions and fuel use. However, the No Further Action is also not sustainable.

Summary: Although alternative BRGW1 would be the least expensive alternative and the greenest, it would represent the greatest risk to public health and the environment and is not

sustainable. Alternative BRGW1 offers the lowest level of compliance with SCGs. Alternative BRGW1 does not limit the exposure to the remaining on-site contamination and, therefore, the Site's RAO's would not be achieved. For the reasons stated herein, alternative BRGW1 is an impractical alternative.

9.13 Alternative BRGW2 – Institutional Controls/Bedrock Groundwater Monitoring

This alternative involves institutional controls in the form of an environmental easements to restrict the Site's use and access, groundwater use, etc. This alternative relies on natural attenuation processes to reduce concentrations of CVOCs in groundwater, and long-term groundwater monitoring to evaluate changes in bedrock groundwater conditions. In addition, a SMP would be developed to identify areas of impacted bedrock groundwater at the Site, and to provide procedures for handling, characterizing, transporting and disposing of bedrock groundwater in the event ground intrusive work is performed at the Site that has the potential to contact impacted bedrock groundwater. Long-term monitoring would be performed under alternative BRGW2 to evaluate the effectiveness of natural attenuation. Samples would be collected from select existing monitoring wells and analyzed for COCs. The results of the groundwater monitoring would be summarized and presented to the NYSDEC in annual reports. Following ten years of bedrock groundwater monitoring, modifications to the sampling program, if any, would be presented to the NYSDEC.

Current and future property owners would be required to complete and submit annual certification to the NYSDEC that administrative controls and remedial components were put in place as part of the Site remedy, are still in place, have not been altered, and are still effective.

Protection of Human Health and the Environment: Human and ecological receptors are not being exposed to impacts identified in the bedrock groundwater. Institutional controls would forbid the use of bedrock groundwater at the Site. In addition, the SMP to be prepared would address exposures to construction workers preforming intrusive activities that may encounter bedrock groundwater. The SMP would identify requirements for use of personal protective equipment, and proper management of any impacted bedrock groundwater that is encountered. Also, natural attenuation processes and any treatment of overburden groundwater that is completed would likely result in declining concentrations of CVOCs in bedrock groundwater over time.

Compliance with SCGs: While exceedances of certain chemical-specific SCGs (i.e., CVOCs) would exist, such exceedances do not necessarily equate to current risk to human health or the environment. Measures to address potential exposure pathways would be implemented as part of alternative BRGW2. Natural attenuation processes would result in reduced concentrations of CVOCs in bedrock groundwater, but this process would take a longer

amount of time compared with more aggressive remedies. It is also anticipated that actions taken to address overburden groundwater impacts would assist in reducing the bedrock groundwater CVOC concentrations. Action specific SCGs that potentially apply to this alternative are associated with periodic groundwater monitoring, including the handling of waste material (e.g., purge water) in accordance with NYSDEC, NYSDOT and OSHA requirements. Active remedial measures would not be conducted under this alternative; thus, action- specific and location-specific SCGs are not applicable.

Long-Term Effectiveness: Natural attenuation processes would be effective over the long-term at reducing concentrations of CVOCs in bedrock groundwater. Long-term monitoring would be performed to evaluate changes in groundwater conditions. The reduction of CVOC concentrations in on-site bedrock groundwater via natural processes is permanent, although its rate would likely be slower than if a more aggressive remedial approach were used. Through the establishment of institutional controls such as an environmental easement and SMP, this alternative would meet the groundwater RAOs related to potential direct contact, ingestion and inhalation human health exposure pathways. The institutional controls would also provide an acceptable method for the management of CVOC impacted bedrock groundwater should it be encountered during future Site activities. The environmental easement and SMP would be kept in place, unchanged, unless site conditions warranted program modification.

Reduction of Toxicity, Mobility or Volume: CVOC impacted groundwater would not be contained, removed or actively treated. The toxicity, mobility and volume of impacted bedrock groundwater would likely be reduced over an extended period of time via natural attenuation processes, and any treatment of overburden groundwater that is conducted.

Short –Term Effectiveness: Monitoring would be the only field work performed pursuant to alternative BRGW2. Personnel performing groundwater monitoring would use PPE and follow requirements of a site-specific HASP. There would be no short-term environmental impacts or risks to on-site workers or the community associated with implementation of this alternative. However, alternative BRGW2 is not effective in the short-term.

Implementability: This alternative would be both technically and administratively implementable. No permit approvals, and only minimal coordination with governmental agencies, other than the NYSDEC, would be required.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: Alternative BRGW2 has an estimated a present worth cost of $144,883.06 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative BRGW2 will not use electricity or heavy equipment over the life of remedy. Greenhouse gasses, emissions and fuel use would be limited to site visits. Alternative BRGW2 is sustainable.

Summary: This alternative provides protection of human health and the environment and is sustainable. The risk of exposure to bedrock groundwater contamination is low since there will be limited complete pathways through which the public and future workers at the Site may be exposed to contaminated bedrock groundwater, and these pathways would be controlled through the institutional controls. This alternative would provide bedrock groundwater remediation of the Site in the same timeframe as alternative BRGW1. This alternative would be more cost effective than alternative BRGW4.

9.14 Alternative BRGW3 – Institutional Controls / Permeable Reactive Barrier / Bedrock Groundwater Monitoring / Contingency Site Perimeter Groundwater Controls

This alternative involves institutional controls in the form of an environmental easement to restrict the Site's use (i.e., access, groundwater use, etc.). This alternative relies on a natural attenuation processes to reduce concentrations of CVOCs in bedrock groundwater, and long-term bedrock groundwater monitoring to evaluate changes in bedrock groundwater conditions. In addition, a SMP would be developed to identify areas of impacted bedrock groundwater at the Site and to provide procedures for handling, characterizing, transporting and disposing of bedrock groundwater in the event ground intrusive work is performed at the Site. Long-term monitoring would be conducted under alternative BRGW3 to evaluate the effectiveness of natural attenuation. Samples would be collected from select existing monitoring wells and analyzed for COCs. The results of the groundwater monitoring would be summarized and presented to the NYSDEC in annual reports. Following ten years of bedrock groundwater monitoring, modifications to the sampling program, if any, would be presented to the NYSDEC.

If elevated concentrations of CVOCs are identified during post-overburden groundwater remediation and potential off-site migration of CVOCs in bedrock groundwater is a concern, the installation of contingency groundwater perimeter controls may be warranted up-gradient of the sensitive receptors. Site perimeter groundwater controls could include, additional extraction wells, liquid activated carbon PRBs, or similar containment technology. The need for the contingency measures will be evaluated on a periodic basis (e.g., after annual groundwater monitoring events, etc.) after final bioremediation injections are completed, and will be based on the observed trends of the groundwater monitoring results of the perimeter wells during that period of time. It is anticipated the contingency Site perimeter groundwater

control could consist of a liquid activated carbon and EVO PRB installed within the first ten feet of bedrock (i.e., approximately 15 ft. bgs to 25 ft. bgs) using rotary drill rig equipment. Based on available vendor literature, and assuming the presence of sufficient available substrate (i.e., EVO), the activated carbon particles will become colonized by dehalococcoides microbes resulting in anaerobic bioremediation of the sorbed CVOCs, thereby regenerating the activated carbon sorption sites. This process promotes additional CVOC partitioning from the saturated zone and continuation of a regenerative remedial cycle allowing for extended life of the PRB and protection of the target receptor.

Current and future property owners would be required to complete and submit annual certification to the NYSDEC that administrative controls and remedial components were put in place as part of the Site remedy, are still in place, have not been altered, and are still effective.

Protection of Human Health and the Environment: Human and ecological receptors are not being exposed to impacts identified in the bedrock groundwater. Institutional controls would forbid the use of bedrock groundwater at the Site. In addition, the site-specific SMP would address exposures to construction workers preforming intrusive activities that may encounter bedrock groundwater. The SMP would identify requirements for use of personal protective equipment, and proper management of any impacted groundwater that is encountered. Also, natural attenuation processes and any treatment of overburden groundwater that is completed, would likely result in declining concentrations of CVOCs in bedrock groundwater over time.

Compliance with SCGs: While exceedances of certain chemical-specific SCGs (i.e., CVOCs) would exist, such exceedances do not necessarily equate to current risk to human health or the environment. Measures to address potential exposure pathways would be implemented as part of alternative BRGW3. Natural attenuation processes would result in reduced concentrations of CVOCs in bedrock groundwater, but this process would take a longer amount of time compared with more aggressive remedies. It is also anticipated that actions taken to address overburden groundwater impacts would assist in reducing the bedrock groundwater CVOC concentrations Action-specific SCGs that apply to this alternative are associated with the installation of the contingency PRBs, if warranted (i.e., completing injection points/wells, injecting remedial amendments into the subsurface, etc.) and monitoring groundwater conditions. Workers and work activities that occur during implementation of this alternative would comply with OSHA requirements for training, safety equipment and procedures, monitoring and reporting. Compliance with action-specific SCGs would be accomplished by following a NYSDEC-approved remedial action plan and site-specific HASP. Measures would be taken as appropriate to control levels of airborne particulates during ground intrusive activities. Prior to completing injection work, an EPA Underground Injection Control Inventory Application would be completed. Location-specific

SCGs would be maintained by conducting work in accordance with local codes and ordinances.

Long-Term Effectiveness: Natural attenuation processes would be effective over the long-term at reducing concentrations of CVOCs in bedrock groundwater. Long-term monitoring would be performed to evaluate changes in groundwater conditions. The reduction of CVOC concentrations in on-site bedrock groundwater via natural processes is permanent, although its rate would likely be slower a more aggressive remedial approach. Through the establishment of institutional controls such as an environmental easement and SMP, this alternative would meet the groundwater RAOs related to potential direct contact, ingestion and inhalation human health exposure pathways. The institutional controls would also provide an acceptable method for the management of CVOC impacted bedrock groundwater should it be encountered during future Site activities. The environmental easement and SMP would be kept in place, unchanged, unless site conditions warranted program modification. In the event that long-term remedial effectiveness is compromised, down-gradient Site perimeter controls may be completed to be protective of target sensitive receptors.

Reduction of Toxicity, Mobility or Volume: CVOC impacted bedrock groundwater would not be contained, removed or actively treated. However, the toxicity, mobility and volume of impacted bedrock groundwater would likely be reduced over an extended period of time via natural attenuation processes, and the treatment of overburden groundwater that is conducted. In the event that mobility of COCs is a concern for sensitive receptors, down-gradient Site perimeter controls may be completed to be protective of target sensitive receptors.

Short –Term Effectiveness: Monitoring would be the only field work performed pursuant to this alternative. Personnel performing groundwater monitoring would use PPE and follow requirements of a site-specific HASP. There would be no short-term environmental impacts or risks to on-site workers or the community associated with implementation of this alternative. However, this alternative is not effective in the short-term for remediation of the Site.

Implementability: Alternative BRGW3 would be both technically and administratively implementable. No permit approvals, and only minimal coordination with governmental agencies other than the NYSDEC, would be required. If warranted, a contingent Site perimeter groundwater control will be completed in accordance with government agencies and appropriate permits and approvals.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: The cost of alternative BRGW3 has an estimated present worth cost of $144,883.06 (refer to Table FS-1). The estimated cost of the bedrock contingency PRB is $200,000.00

Sustainability and Green Remediation Evaluation: Alternative OBGW3 will not use electricity and generate limited greenhouse gasses. Heavy equipment used on the Site would primarily consist of a direct push injection rig and rotary drill rig resulting in moderate emissions and fuel use. Alternative OBGW3 is sustainable.

Summary: This alternative provides protection of human health and the environment. The risk of exposure to bedrock groundwater contamination is low since there will be limited complete pathways through which the public and future workers at the Site may be exposed to contaminated bedrock groundwater, and these pathways would be controlled through the institutional controls. In addition, if warranted, site perimeter controls would address concerns regarding off-site migration exposure pathways. This alternative would provide bedrock groundwater remediation of the Site in the same timeframe as alternative BRGW1 and BRGW2. This alternative would be slightly less green than BRGW-1 and BRGW2 and significantly greener than BRGW4. This alternative would be more cost effective than alternative BRGW4.

9.15 Alternative BRGW4: Site Wide Bedrock Groundwater Extraction and Treatment and Institutional Controls

Groundwater would be extracted to remove CVOCs from the bedrock groundwater zone and subsequently treated on-site. A pump test and a treatability study would be required to determine the pumping rates and system size/requirements. The site wide groundwater extraction system evaluated as part of this FS is based on preliminary design calculations that utilize information collected as part of the RI. Based on the preliminary design, approximately 55 bedrock groundwater extraction wells with depths up to 40 ft. bgs would be used to extract groundwater from the Site with a combined anticipated extraction rate of 30 gpm. Refer to Figure 18 for the preliminary alternative BRGW4 concept design. Treated groundwater would be discharged to the Monroe County Pure Waters sewer system under a discharge permit. Monitoring of the groundwater is based on a ten-year monitoring program. Groundwater would be monitored quarterly for the first year and the 10th year. Each quarterly round would consist of sampling 7 bedrock monitoring wells. For years 2-9, bedrock monitoring wells would be sampled on a semi-annual basis and include sampling for one full round and one limited round. Environmental easements and an SMP would also be implemented with this alternative.

Protection of Human Health and the Environment: Alternative BRGW4 provides containment and remediation of bedrock groundwater at the Site. As the concentrations of CVOCs decrease in the groundwater, the potential magnitude of exposures to human health

and the environment will also decrease. Currently, human and ecological receptors are not known to be exposed to impacts identified in the bedrock groundwater. Institutional controls would prohibit the use of untreated bedrock groundwater at the Site. In addition, the SMP would address exposures to construction workers preforming intrusive activities below the water table. The SMP would identify requirements for use of personal protective equipment, and proper management of impacted groundwater that may be encountered.

Compliance with SCGs: Measures to address potential exposure pathways would be implemented as part of this alternative. In addition, natural attenuation processes would result in reduced concentrations of CVOCs in bedrock groundwater, which would decrease the amount of time required to operate the groundwater extraction system. While exceedances of certain chemical-specific SCGs exist, such exceedances do not necessarily equate to current risk to human health and the environment. Action specific SCGs that potentially apply to this alternative are associated with installation and operation of the site-wide groundwater extraction and treatment system, periodic groundwater monitoring, handling of waste material (e.g., purge water) in accordance with NYSDEC, NYSDOT and OSHA requirements. Compliance with action-specific SCGs would be accomplished by following a NYSDEC-approved remedial action plan and site-specific HASP. Measures would be taken as appropriate to control levels of airborne particulate matter during ground intrusive activities. Location-specific SCGs would be maintained by conducting work in accordance with local codes and ordinances.

Long-Term Effectiveness: Groundwater extraction is an effective containment technology and may be effective over the long-term at reducing concentrations of CVOCs in bedrock groundwater permanently. Long-term monitoring would be performed to evaluate changes in groundwater conditions. Through the establishment of institutional controls such as an environmental easement and SMP, this alternative would meet the groundwater RAOs related to potential direct contact, ingestion and inhalation for human health exposure pathways. These institutional controls would also provide an acceptable method for the management of CVOC-impacted bedrock groundwater should it be encountered during future Site activities. The environmental easement and SMP would be kept in place, unchanged, unless site conditions warranted program modification.

Reduction of Toxicity, Mobility or Volume: CVOC impacted groundwater would be contained, removed and actively treated. The toxicity, mobility and volume of impacted bedrock groundwater would likely be reduced over an extended period of time via extraction and treatment and natural attenuation processes, and any treatment of overburden groundwater that is conducted.

Short Term Effectiveness: Some short-term risks are associated with dust and volatile emissions resulting from the installation and operation of the site wide groundwater

extraction and treatment system (e.g., advancement of groundwater extraction wells) and completing the bedrock groundwater monitoring associated with alternative BRGW4. Personnel performing construction, maintenance and groundwater monitoring work would use PPE and follow the requirements of a site-specific HASP. There would be minimal short-term environmental impacts to on-site workers or the community associated with implementation of this alternative. This alternative is not effective in the short-term for remediation of the Site. However, capture of bedrock groundwater should minimize migration of the COCs in the short term.

Implementability: Groundwater extraction is a known technology, and has minimal uncertainties associated with construction. This alternative would be both technically and administratively implementable under the assumption that the building and associated utilities are removed prior to remedial activities. Site operations would be significantly impacted. No permit approvals, and only minimal coordination with agencies other than the NYSDEC would be required.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: Alternative BRGW4 has an estimated present worth cost of about $8,577,251.63 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative BRGW4 will use significant electricity over the life of remedy. Heavy equipment used on the Site would primarily consist rotary drill rig resulting in moderate emissions, fuel use and greenhouse gasses. Alternative BRGW4 is sustainable.

Summary: Alternative BRGW4 is the most expensive bedrock groundwater remedial alternative, and would restore the Site to meet TOGs to the extent practicable and/or contain the CVOC-contaminated bedrock groundwater. Alternative BRGW4 would provide a higher-level protection to human health and the environment than alternatives BRGW1 and BRGW2, and similar to BRGW3. This alternative is sustainable, but is the least green bedrock remedial alternative.

9.16 Alternative N1: No Action

Alternative N1 involves no further action and serves as a baseline to which the other remedial alternatives can be compared for assessment of overall effectiveness. Under the N1 alternative, the Site would be allowed to remain in its current condition and would involve natural attenuation processes to reduce the volume of NAPL in groundwater. However, no

monitoring would be completed to evaluate the effectiveness of natural degradation. It is anticipated that the current cover (e.g. concrete slab, pavement, etc.) would remain in place and be maintained.

Protection of Human Health and the Environment: Alternative N1 would not be an effective or an independent means of achieving the RAOs and does not include any additional remedial measures to address the NAPL identified at the Site. However, to the extent that the existing site features and conditions (i.e., cover system) are already protective of human health and the environment, and remain intact, aspects of the RAOs would be achieved. Specifically, the existing cover system in the form of established concrete/asphalt/crushed stone and building structures prevents direct contact with or ingestion of NAPL by Site workers. However, this alternative would not be protective of activities involving subsurface intrusive work (i.e., excavation, construction, etc.) that encounter NAPL. Also, if future Site activities compromise the integrity of the existing cover system at the Site, or groundwater use is initiated, human exposure to NAPL could occur.

Compliance with SCGs: Removal and/or treatment are not included as part of this remedial alternative. However, the RAOs that relate to chemical specific SCGs would be achieved, since chemical specific SCGs have not been exceeded to date (i.e., target compounds exceeding the analytical laboratory detection limit were not reported at concentrations exceeding their applicable SCGs, refer to sample 100-MW-17(LNAPL). Additional active remedial measures would not be conducted under this alternative and, as such, action-specific and location-specific SCGs would not be applicable.

Long-Term Effectiveness: There is no additional remediation technology being implemented; therefore, the environmental and exposure risks at the Site will remain the same for the foreseeable future. However, the NAPL will persist longer than other more aggressive alternatives and future exposures to NAPL can increase if the use of the Site changes, the Site is modified, or if subsurface intrusive work is conducted.

Reduction of Toxicity, Mobility or Volume: With the exception of natural attenuation processes, there is no change in the NAPL characteristics by implementing alternative N1. As such, there would be minimal or no reduction of toxicity, mobility or volume of NAPL associated with alternative N1.

Short-Term Effectiveness: Alternative N1 will not provide any benefits in the short term. However, since no additional remediation technologies would be implemented, there are no significant short-term risks to the community or environment that must be addressed by this alternative.

Implementability: Alternative N1 is easy to implement. This alternative makes no modifications to the existing conditions at the Site.

Land Use: It is anticipated that regulatory agencies will not accept alternative N1 for existing or future land use of the Site or surrounding areas. Implementation of this alternative could result in adverse impacts to the environment.

Cost: Alternative N1 has an estimated total present worth of $0.00 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative N1 will not use electricity over the life of remedy, generate greenhouse gasses or use heavy equipment resulting in no direct emissions and fuel use. However, alternative N1 is also not sustainable.

Summary: Although alternative N1 would be the least expensive alternative and the greenest, it would represent the greatest risk to public health and the environment and is not sustainable. Alternative N1 offers the lowest level of compliance with SCGs. This alternative does not limit the exposure to the on-site NAPL and, therefore, the Site's RAO's would not be achieved. For the reasons stated herein, alternative N1 is an impractical alternative.

9.17 Alternative N2 – Institutional Controls/Containment

Alternative N2 involves, in part, institutional controls in the form of an environmental easement to limit the Site's use and access. An SMP would also be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. In addition, the groundwater extraction system would contain the existing NAPL plume.

Protection of Public Health and the Environment: Assuming groundwater containment can be achieved at the MW-17 area by the groundwater extraction system, this alternative provides sufficient protection to both public health and the environment. In addition, the SMP to be prepared would address exposures to construction workers performing intrusive activities below the water table. The SMP would identify requirements for use of personal protective equipment, and proper management of any NAPL that is encountered. This alternative would achieve the Site RAO's.

Compliance with SCGs: Alternative N2 would satisfy the chemical specific SCGs, since chemical specific SCGs have not been exceeded to date. Measures to address potential exposure pathways would be implemented as part of this remedial alternative. Action-specific SCGs that apply to this alternative are associated with monitoring groundwater/NAPL conditions. Workers and work activities that occur during implementation of this alternative would comply with OSHA requirements for training,

safety equipment and procedures, monitoring and reporting. Compliance with action-specific SCGs would be accomplished by following a NYSDEC-approved remedial action plan and site-specific HASP. Measures would be taken as appropriate to control levels of airborne particulates during ground intrusive activities. Location-specific SCGs would be maintained by conducting work in accordance with local codes and ordinances.

Long Term Effectiveness: NAPL containment is an effective remedial measure. Direct contact, ingestion and inhalation risks would be reduced by land use restrictions and adherence to a site-specific SMP. The land use restrictions and SMP would be kept in place, unchanged, unless Site conditions changed and modifications to the institutional controls and other remedial components were necessary. NAPL monitoring would be completed in accordance with a NYSDEC-approved plan to document/monitor the NAPL conditions as remediation is implemented.

Reduction in Toxicity, Volume and Mobility: NAPL containment will not significantly decrease the volume of NAPL in the subsurface. The mobility of NAPL would be inhibited by groundwater extraction. By reducing the mobility of NAPL, this alternative limits potential impacts to human health and the environment.

Short Term Effectiveness: During subsurface work that would be conducted as part of this alternative (drilling, injection wells, etc.), remedial construction workers would potentially be exposed to NAPL by ingestion, dermal contact and/or inhalation. Potential exposure of on-site workers would be minimized by proper use of PPE as specified in the site-specific HASP. Air monitoring would be performed during the subsurface work conducted under this alternative to determine the need for additional engineering controls, and/or to confirm that dust and VOC vapors are within acceptable levels, as specified in a site-specific HASP. The benefit of NAPL containment would be achieved in the short-term through the groundwater extraction system. The residual NAPL would be monitored in accordance with a NYSDEC-approved plan.

Implementability: NAPL containment is technically feasible and proven technology. This alternative can be implemented using available qualified contractors under the supervision and oversight of qualified field personnel to perform the work. The time to implement this alternative is several months to install and startup the groundwater extraction system.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: The cost to implement this alternative N2 has an estimated total present worth of about $5,000.00 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative N2 will use electricity during the groundwater extraction and treatment phase of the remedy and generate greenhouse gasses. Heavy equipment used on the Site would primarily consist of a rotary drill rig resulting in limited emissions and fuel use. Alternative N2 is sustainable with proper monitoring and maintenance to keep the groundwater extraction and treatment system operating properly.

Summary: Alternative N2 provides protection of human health and the environment and is sustainable. The risk of exposure to NAPL is low since there will be limited complete pathways through which the public and future workers at the Site may be exposed to NAPL, and these pathways would be controlled through the uses of institutional and engineering controls. This alternative would provide remediation of the Site in a quicker timeframe than Alternative N1. This alternative would be less cost effective than Alternative N1.

9.18 Alternative N3 – Institutional Controls / Removal / Containment

Alternative N3 involves, in part, institutional controls in the form of an environmental easement to limit the Site's use and access. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Containment of NAPL would be achieved by groundwater extraction. Lastly, adsorbent media would be installed, and replaced when necessary, in monitoring well MW-17 to reduce the NAPL volume at the Site.

Protection of Public Health and the Environment: Assuming NAPL containment by groundwater extraction is achieved and improvement of groundwater conditions are achieved at the MW-17 area as a result of the absorbent media, this alternative provides sufficient protection to both public health and the environment. In addition, the SMP to be prepared would address exposures to construction workers performing intrusive activities below the water table. The SMP would identify requirements for use of personal protective equipment, and proper management of any NAPL that is encountered. This alternative would achieve the Site RAO's.

Compliance with SCGs: Alternative N3 would satisfy the chemical specific SCGs since exceedances have not been identified to date. The NAPL in proximity to MW-17 would be removed by absorbent media and containment would be provided by groundwater extraction system. Action-specific SCGs that apply to this alternative are associated with installing absorbent media and monitoring groundwater/NAPL conditions. Workers and work activities that occur during implementation of alternative N3 would comply with OSHA requirements for training, safety equipment and procedures, monitoring and reporting. Compliance with action-specific SCGs would be accomplished by following a NYSDEC-approved remedial

action plan and site-specific HASP. Location-specific SCGs would be maintained by conducting work in accordance with local codes and ordinances.

Long Term Effectiveness: Targeted NAPL removal is an effective remedial measure to reduce NAPL volume. Direct contact, ingestion and inhalation risks would be reduced. by land use restrictions and adherence to a site-specific SMP. The land use restrictions and SMP would be kept in place, unchanged, unless Site conditions changed and modifications to the institutional controls and other remedial components were necessary. NAPL monitoring would be completed in accordance with a NYSDEC-approved plan to document/monitor the NAPL conditions as remediation is implemented.

Reduction in Toxicity, Volume, and Mobility: Targeted NAPL removal will decrease the volume of NAPL in the subsurface. The mobility of NAPL in groundwater would be inhibited by groundwater extraction. By reducing the volume of NAPL and its mobility, alternative N3 limits the potential impacts to human health and the environment.

Short Term Effectiveness: During subsurface work that would be conducted as part of alternative N3 (drilling, absorbent media change out, etc.), remedial construction workers would potentially be exposed to NAPL by ingestion, dermal contact and/or inhalation. Potential exposure of on-site workers would be minimized by proper use of PPE as specified in the site-specific HASP. Air monitoring would be performed during the subsurface work conducted under this alternative to determine the need for additional engineering controls, and/or to confirm that dust and VOC vapors are within acceptable levels, as specified in a site-specific HASP. The anticipated reduction in NAPL could take place in the short term, but it is also possible that it could take years. NAPL containment would be achieved in the short-term through groundwater extraction.

Implementability: NAPL removal and containment is technically feasible and proven technology. Alternative N3 can be implemented using available qualified contractors under the supervision and oversight of qualified field personnel to perform the work. The time to implement this alternative is several weeks.

Land Use: It is anticipated that regulatory agencies would accept this alternative for existing and future land use since it would be consistent with current zoning and surrounding land use, and the general public that uses the adjacent properties would not be affected.

Cost: Alternative N3 has an estimated total present worth of about $10,000.00 (refer to Table FS-1).

Sustainability and Green Remediation Evaluation: Alternative N3 will use electricity during the groundwater extraction and treatment phase of the remedy and generate greenhouse

gasses. Heavy equipment will be limited to a drill rig resulting in limited emissions and fuel use. Alternative N3 is sustainable with proper monitoring and maintenance to ensure unsaturated absorbent media is kept in monitoring well MW-17.

Summary: Alternative N3 provides the greatest protection of human health and the environment and is sustainable. The risk of exposure to NAPL is low since there will be limited complete pathways through which the public and future workers at the Site may be exposed to NAPL, and these pathways would be controlled through the uses of institutional controls. This alternative would provide remediation of the Site in a quicker timeframe than Alternative N1 and N2. This alternative would be less cost effective than Alternative N1and N2. This alternative is less green than N1 and comparable to N2.

9.19 Comparative Analysis of Alternatives

This section presents the comparative analysis of remedial alternatives using the eight evaluation results for threshold criteria and primary balancing criteria presented for each alternative in Sections 9.1 through 18. The comparative analysis identifies the advantages and disadvantages of each alternative relative to one another with respect to the criteria. The threshold criteria for protection of human health and the environment, and compliance with SCGs, must be met by any selected alternative. Tradeoffs among the remaining primary balancing criteria (long-term effectiveness and permanence; reduction of toxicity, mobility, and volume; short-term effectiveness; implementability; land use; cost; and sustainability and green remediation) aid in determining the most appropriate remedial action to address the RAOs identified for the Site. [Note: State and community acceptance will be addressed following regulatory review and a public comment period after a remedy has been recommended.]

Protection of Human Health and the Environment

Current conditions at the Site are already protective of human health and the environment to an extent. For example, the existing cover system at the Site in the form of established concrete, asphalt pavement, crushed stone cover and building structures, and not using the Site's groundwater, prevents direct contact with, or ingestion of NAPL, soil and groundwater by Site workers, and limits exposures associated with wind-blown dust. The existing positive pressure vapor mitigation system prevents exposure to soil vapor constituents.

The No Further Action alternatives (i.e., SS1, S1, OBGW1 BRGW1, N1 and SV1) would not be protective of human health and the environment beyond those items identified above. The No Further Action alternatives have the potential to increase the risk of human exposure to contaminated media by allowing the Site to be used in an unrestricted manner. Also, future activity at the Site (i.e., construction, etc.) could compromise the integrity of the existing

cover system and vapor mitigation system. In addition, the lack of institutional controls could allow future activities at the Site to use impacted groundwater for process water, which could increase human exposure.

Alternatives SS2, SS3, SS4, SV2, N2, N3, S2, S3, OBGW2, OBGW3, OBGW4 BRGW2, BRGW3 and BRGW4 include elements that would result in overall protection of human health and the environment by eliminating exposure pathways, either by controlling, removing, treating or containing impacted media. Alternatives SS2, SS3, SV2, N2, N3, S2, S3, OBGW2, OBGW3, BRGW2, BRGW3 and BRGW4 would limit exposure pathways associated with intrusive activities through institutional controls and implementation of a SMP. Alternatives S3 and OBGW4 would not include institutional controls since the remedial activities would result in unrestricted use of the Site. Of the alternatives evaluated, Alternatives SS4, S3, OBGW4, N3, SV2 and BRGW4 would be the most protective of human health and environment due to the extensive remediation that would be implemented.

Compliance with SCGs

The No Further Action alternatives (i.e., SS1, S1, OBGW1, BRGW1, N1 and SV1) do not meet the soil/groundwater SCGs for the Site. For alternatives SS2, SS3, S2, S3, OBGW2, OBGW3, BRGW2, BRGW3, BRGW4 and SV2, the potential for exceedances of chemical-specific SCGs would exist since these alternatives rely on engineering controls (SS2 and SS3), vapor mitigation (SV2) and distribution of remedial amendments (S2, OBGW2 and OBGW3), monitoring of impacted bedrock groundwater (BRGW2) or containment of bedrock groundwater (BRGW3 and BRGW4). However, such exceedances associated with these alternatives do not necessarily equate to a risk to human health and the environment since institutional controls (e.g., SMP, environmental easement, etc.) would also be implemented. Alternatives SS4, S3 OBGW4, N1, N2 and N3 should meet the soil and groundwater chemical specific SCGs for the Site.

Action-specific SCGs are not applicable to Alternatives SS1, S1, OBGW1 BRGW1, N1 and SV1 because they do not involve the implementation of additional active remedial measures. Alternatives SS2, SS3, SS4 S2, S3, OBGW2, OBGW3, OBGW4, BRGW2, BRGW3, BRGW4, N2, N3 and SV2 would have the health and safety-related SCGs satisfied by following a Site-specific HASP during remedy implementation. In addition, appropriate procedures would be followed to comply with SCGs related to handling and disposal of impacted media (i.e., transportation, disposal, permitting, manifesting and disposal facilities) and air emissions. As such, action-specific SCGs would be achieved for alternatives SS2, SS3, SS4, S2, S3, S4, OBGW2, OBGW3, OBGW4, BRGW2, BRGW3, and BRGW4.

Location-specific SCGs are not applicable to Alternatives SS1, S1, OBGW1, BRGW1, N1 and SV1 because they do not involve the implementation of additional active remedial

measures. Alternatives SS2, SS3, SS4, S2, S3, OBGW2, OBGW3, OBGW4 BRGW2, BRGW3, BRGW4, N2, N3 and SV2 would have potentially applicable location-specific SCGs (local codes, ordinances, etc.) that would be met during the design and implementation of these alternatives.

Long-Term Effectiveness

The No Further Action alternatives (SS1, S1, OBGW1, BRGW1, N1 and SV1) would not result in low long-term effectiveness since contamination would remain at the Site with viable exposure pathways in the absence of institutional controls, and relying on natural attenuation and phytoremediation processes to treat impacted media without monitoring or administrative means to evaluate its progress.

Alternatives SS2, SS3, S2, OBGW2, OBGW3, BRGW2, BRGW3, BRGW4, N2 and SV2 would result in moderate long-term effectiveness since residual contamination may remain, however, reliable engineering and institutional controls would be implemented to reduce exposure pathways and RAOs may be achieved with adequate time.

Alternatives S3 SS4, OBGW4 and N3 would provide the highest level of long-term effectiveness and permanence by remediating the NAPL, soil and overburden groundwater to unrestricted use in a relatively short time period.

Reduction of Toxicity, Mobility and Volume

The No Further Action alternatives (SS1, S1, OBGW1, BRGW1, N1 and SV1) will result in a low reduction of toxicity, mobility and volume since remediation would occur only as unconfirmed, and undocumented natural attenuation and phytoremediation. Bedrock groundwater in alternative BRGW2 would also result in a low reduction of toxicity, mobility and volume since it would rely on documenting natural degradation processes to reduce constituent concentrations in bedrock groundwater.

The bioremediation, physical removal, containment, capping and phytoremediation components of Alternatives SS2, SS3, S2, S3, OBGW2, OBGW3, BRGW3, N2, N3 and SV2 would result in a moderate reduction of mobility, and/or volume of constituents in the saturated zone; however, during the bioremediation process, the toxicity of the contaminants may be temporarily increased (e.g., degradation to vinyl chloride) before ultimately being reduced when the degradation process is complete.

Alternative BRGW4, groundwater extraction and treatment, would greatly reduce the mobility of contaminants and moderately reduce the volume of constituents in bedrock groundwater. Alternatives SS4, S3 and OBGW4, site wide excavation and chemical

oxidation, would result in the greatest reduction of toxicity, mobility and volume by removing and permanently destroying the contaminants in their respective media's.

Short-Term Impacts and Effectiveness

The No Further Action alternatives (SS1, S1, OBGW1, BRGW1, N1 and SV1) will not increase the short-term impacts or risks to human health or the environment. The bioremediation, engineering controls, monitoring and containment alternatives (i.e., SS2, SS3, S2, OBGW2, OBGW3, BRGW2, BRGW3, BRGW4, N2, N3 and SV2) have some short-term risks (e.g., workers could come in contact with remediation amendments or contaminated media, etc.) that would be controlled with implementation of a site-specific HASP and implementation of air monitoring during intrusive activities. Alternatives involving excavation and chemical oxidation (SS4, S3 and OBGW4) present higher short-term impacts since the volume of material handled under these alternatives is greater than the other alternatives.

It is anticipated that the amount of time needed to implement the alternatives would be: immediate for No Further Action alternatives (SS1, S1, OBGW1, BRGW1, N1 and SV1) and SV2(currently installed); several months to years for SS2, SS3, S2, S3 OBGW2, OBGW3, BRGW2, BRGW3, N2, N3, and SV2; and six months to many years for SS4, S3, OBGW4, and BRGW4. Also, it is anticipated that the timeframe to measure the effectiveness of alternatives SS2, SS3, S2, OBGW2 OBGW3, OBGW4, BRGW2, BRGW3, BRGW4, N2 and N3 would be more than one year.

Implementability

Each of the alternatives could be implemented; although the degree of difficulty varies between each of the alternatives. The No Further Action alternatives (SS1, S1, OBGW1, BRGW1, N1 and SV1) and SV2 are the easiest to implement. The monitoring, containment, NAPL removal and bioremediation alternatives are in-situ alternatives that will likely involve some disturbance to the active facility operations. These alternatives also include institutional controls which would limit Site uses and groundwater use in effort to prevent complete exposure pathways. Alternatives S3, SS4, OBGW4 and BRGW4 would be considerably more difficult to implement and would likely include relocation of facility operations; complete demolition of Site buildings and rebuilding; and/or removing and rebuilding of walls, floors, ceilings and underground utilities.

Land Use

With the exception of No Further Action alternatives (SS1, S1, OBGW1,BRGW1, N1 and SV1), each of the presented alternatives includes some degree of control which would alter

land use to be protective of human health and the environment. In addition to controls, each alternative would have varying degree of impact on land use. Alternatives SS2, SS3, S2, S3, OBGW2, OBGW3, BRGW2, BRGW3, BRGW4, N2, N3 and SV2 would likely result in restricted use of the Site, while alternatives S3 SS4, and OBGW4 would have the least restrictive use of the Site by removing soil and overburden groundwater impacts to levels that meet SCGs.

Cost

A summary of the costs is presented in Table FS-1. A detailed breakdown of each evaluated alternative is presented as Tables FS-2 through FS-5. The present worth is based on a 5% discount rate over the estimated life of the project.

Sustainability and Green Remediation

The No Further Action alternatives (SS1, S1, OBGW1 BRGW1, N1 and SV1) are the greenest remedial alternatives; however, they are also not sustainable. The bioremediation, monitoring and containment alternatives (i.e., SS2, SS3, S2, S3, OBGW2, OBGW3, BRGW2, BRGW3, N2, N3 and SV2) are sustainable and moderately green resulting in limited greenhouse gas generation, electric use, emissions and fuel usage. The most aggressive remedial alternatives (i.e., S3, SS4, OBGW4 and BRGW4) are sustainable but also require significant use of heavy equipment or electric resulting in significant greenhouse gas generation, emissions and/or fuel usage and are therefore the least green remedial alternatives.

9.20 Recommended Alternative

This section presents the composite remedial alternatives for the Site. Alternative 1 is the No Further Action alternative, and although it does not meet the threshold criteria, it was retained throughout the FS as a baseline to compare to other alternatives. To address the media (i.e., soil, overburden groundwater, and bedrock groundwater) containing CVOCs and other contaminants of concern (i.e., NAPL) exceeding regulatory criteria, Alternative 2, Alternative 3 and Alternative 4 were developed using the remedial technologies that met the threshold criteria and were evaluated as part of this FS.

Alternative 1 – No Further Action

Alternative 1 consists of SS1, S1, OBGW1, BRGW1, N1 and SV1 and provides a baseline to which other alternatives are compared. Under Alternative 1, no further action would be taken and the Site would remain in its current condition. Alternative 1 is eliminated from further

consideration due to its inability to meet the threshold criteria and achieve the established RAOs for the Site.

Alternative 2 – Site Use Alternative

Alternative 2 consists of SS2, S2, OBGW2, BRGW2, N2 and SV2. Under Alternative 2, the greatest CVOC impacts identified at the Site are contained through the implementation of groundwater extraction, which also reduces the CVOC concentrations in the overburden groundwater through mass removal. The remaining CVOC concentrations would be subsequently remediated by: the injection of amendments (i.e., electron donors and nutrients) into the overburden groundwater to promote bioremediation of the CVOCs; by the existing phytoremediation system; and, by natural attenuation. Subsequent to injection of bioremediation amendments, the operational parameters of the extraction well(s) could be modified to aid in the distribution of the bioremediation amendments and/or to manipulate groundwater flow to increase the alternatives effectiveness. Migration of CVOCs would be controlled by groundwater extraction, and the existing phytoremediation area along the northern property boundary of the Site. It is anticipated that bedrock groundwater quality will also be improved through implementation of the overburden groundwater extraction system because it will reduce the downward migration potential of the overburden groundwater (which is the apparent source of the CVOC contaminants in the bedrock groundwater). Furthermore, it is anticipated that the extraction of the overburden groundwater will enhance/create an upward flow gradient, which will allow for the capture of some bedrock groundwater by the overburden groundwater extraction system. Also, through the injection of bioremediation amendments, CVOC concentrations in the overburden groundwater will be reduced which should result in less CVOC impact to the bedrock groundwater. Throughout the remedial process, groundwater samples will be collected/analyzed to monitor and document Site conditions, remedial progress and the effectiveness of the remedy. Residual CVOC concentrations in the soil, overburden groundwater and bedrock groundwater will be addressed via natural attenuation and managed through institutional controls (i.e., environmental easement, SMP, etc.). Alternative 2 also assumes that the existing vapor mitigation engineering controls will be maintained and periodically evaluated to document compliance with applicable SCGs. Lastly, the approximate 10,000-gallon UST containing approximately 6,000 gallons of water that was encountered during the 2017 Supplemental RI (refer to Section 3.2.2.2.1) will be decommissioned in accordance with DER-10 and applicable DEC guidance documents. [Note, the UST will be abandoned in place due to physical constraints at the Site that will prevent the excavation of the UST.] Alternative 2 should achieve the threshold criteria and obtain the established RAOs for the Site. Alternative 2 is a feasible, cost-effective alternative but has some deficiencies in achieving SCGs and perimeter controls.

Alternative 3 – Recommended Alternative

Alternative 3 is the recommended alternative and consists of SS3, S2, OBGW3, BRGW3, N3 and SV2. Alternative 3 involves installing an engineering control meeting DER-10 specifications (i.e., impermeable materials, a minimum 1-foot thick layer of DER-10 approved material, fencing with appropriate signage, etc.) in order to provide a barrier to impacted surface soil identified in the RI that contains one or more constituents exceeding their applicable restricted commercial SCOs. In addition, a SMP would be completed for the Site that outlines the necessary procedures, requirements and responses when completing intrusive activities at the Site. Inspection, maintenance and documentation of the engineering controls and other remedial components would be specified in the Site-specific SMP.

Under Alternative 3, the greatest CVOC impacts identified at the Site are contained through the implementation of groundwater extraction, which also reduces the CVOC concentrations in the overburden groundwater through mass removal. To address the interior secondary sources (TB-B, TB-E, TB-F, TB-K and TB-S) a second overburden extraction well (EW-2) will be installed in proximity to the interior secondary sources (refer to Figure 16). To address the impacts identified in monitoring well MW-17, this monitoring well will be converted to an overburden extraction well EW-3. This remedial alternative assumes the exterior secondary source TB-N and interior cyanide source MW-Q will be within the capture zone of the three extraction wells. One of the intents of the three extraction wells is to provide adequate Site perimeter groundwater control (i.e., to eliminate or minimize off-site migration of contaminants). The remaining CVOCs in the MW-5 area and TB-H area would be subsequently remediated by: the injection of bioremediation amendments (i.e., electron donors and nutrients) into the overburden groundwater to promote bioremediation of the CVOCs; by the existing phytoremediation system; and/or, by natural attenuation. Subsequent to injection of bioremediation amendments, the operational parameters of the extraction wells could be modified to aid in the distribution of the bioremediation amendments and/or to manipulate groundwater flow to increase the Alternative 3 effectiveness. Migration of CVOCs beyond the perimeter of the Site would be controlled by groundwater extraction and the existing phytoremediation area along the northern property boundary of the Site. Also, the location of the treatment system will consider the possibility of off-gassing from the system and the potential impacts to the indoor air quality that maybe created (i.e., use a separate structure [shed, trailer, etc.] four housing the system).

It is anticipated that bedrock groundwater quality will also be improved through implementation of the groundwater extraction system because it will use groundwater extraction wells to reduce the downward migration potential of the overburden groundwater (which is the apparent source of the CVOC contaminants in the bedrock groundwater). Furthermore, it is anticipated that the pumping of groundwater using the bedrock interface extraction wells will enhance/create an upward flow gradient, which will allow for the capture of some bedrock groundwater. Also, through the injection of bioremediation

amendments, CVOC concentrations in the overburden groundwater will be reduced which should result in less CVOC impact to the bedrock groundwater.

Throughout the remedial process, groundwater samples will be collected/analyzed to monitor and document Site conditions, remedial progress and the effectiveness of the remedy. In the event that post-remediation groundwater sampling (i.e., annual monitoring after final bioremediation injections) indicates further remediation of overburden groundwater and/or bedrock groundwater is necessary, a remedial design plan for additional Site groundwater controls will be developed, including evaluation of Site perimeter groundwater controls, as warranted (i.e., PRBs, etc.). If selected, it is assumed that a PRB would consist of liquid activated carbon and EVO, and installed up-gradient of sensitive receptors. Residual CVOC concentrations in the soil, overburden groundwater and bedrock groundwater will be addressed via natural attenuation and managed through institutional controls (i.e., environmental easement, SMP, etc.).

Alternative 3 also assumes that the existing vapor mitigation engineering controls will be maintained and periodically evaluated to document compliance with applicable SCGs.

Lastly, the approximate 10,000-gallon UST containing approximately 6,000 gallons of water that was encountered during the 2017 Supplemental RI (refer to Section 3.2.2.2.1) will be decommissioned in accordance with DER-10 and applicable DEC guidance documents. [Note, the UST will be abandoned in place due to physical constraints at the Site that will prevent the removal of the UST.]

Alternative 3 should achieve the threshold criteria and obtain the established RAOs for the Site. Based on the costs, effectiveness, SCG compliance and/or implementation concerns associated with other remedial alternatives, Alternative 3 is the most feasible alternative that will cost-effectively achieve the best balance of the NYSDEC evaluation criteria.

Alternative 4 – Restore Site to Unrestricted Use Conditions

Alternative 4 consists of SS4, S3, OBGW4 and BGRW4 and is the remedial alternative that would restore the Site to unrestricted use conditions to the extent possible. Under Alternative 4, the existing building and its associated infrastructure would be removed allowing soil and fill material containing contaminants exceeding applicable SCGs to be removed and disposed off-site. Also, removal of the existing infrastructure would include decommissioning of the approximate 10,000-gallon UST containing approximately 6,000 gallons of water that was encountered during the 2017 Supplemental RI (refer to Section 3.2.2.2.1). The decommissioning of this UST under Alternative 4 would involve physical removal of the UST in accordance with DER-10 and applicable DEC guidance documents. As part of Alternative 4, backfill material meeting NYSDEC criteria would be brought onto the Site to match the existing grade. The overburden groundwater containing CVOCs exceeding TOGS would be remediated via in-situ chemical oxidation. Bedrock groundwater containing CVOC concentration above TOGS would be addressed through an extensive groundwater extraction

well field and treated on-site prior to being discharged to the Monroe County Pure Water sewer system under a discharge permit. Depending on the post-remediation bedrock monitoring results, a SMP and/or environmental easement may be warranted if addressing the overburden contamination did not sufficiently reduce bedrock contaminant concentrations. Alternative 4 also assumes that the existing vapor mitigation system would no longer be needed, that it would be decommissioned, and that a replacement vapor mitigation system would not be warranted. Alternative 4 would achieve the threshold criteria and the RAOs established for the Site, however, the extensive costs and impact to the existing facility associated with Alternative 4 make it cost prohibitive and difficult to implement. As such, Alternative 4 was eliminated from further consideration.

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Agency for Toxic Substances and Disease Registry (http://www.atsdr.cdc.gov/substances/index.asp)

NYSDEC Environmental Resources Mapper (http://www.dec.ny.gov/imsmaps/ERM/viewer.htm)

U.S. National Library of Medicine (https://pubchem.ncbi.nlm.nih.gov)

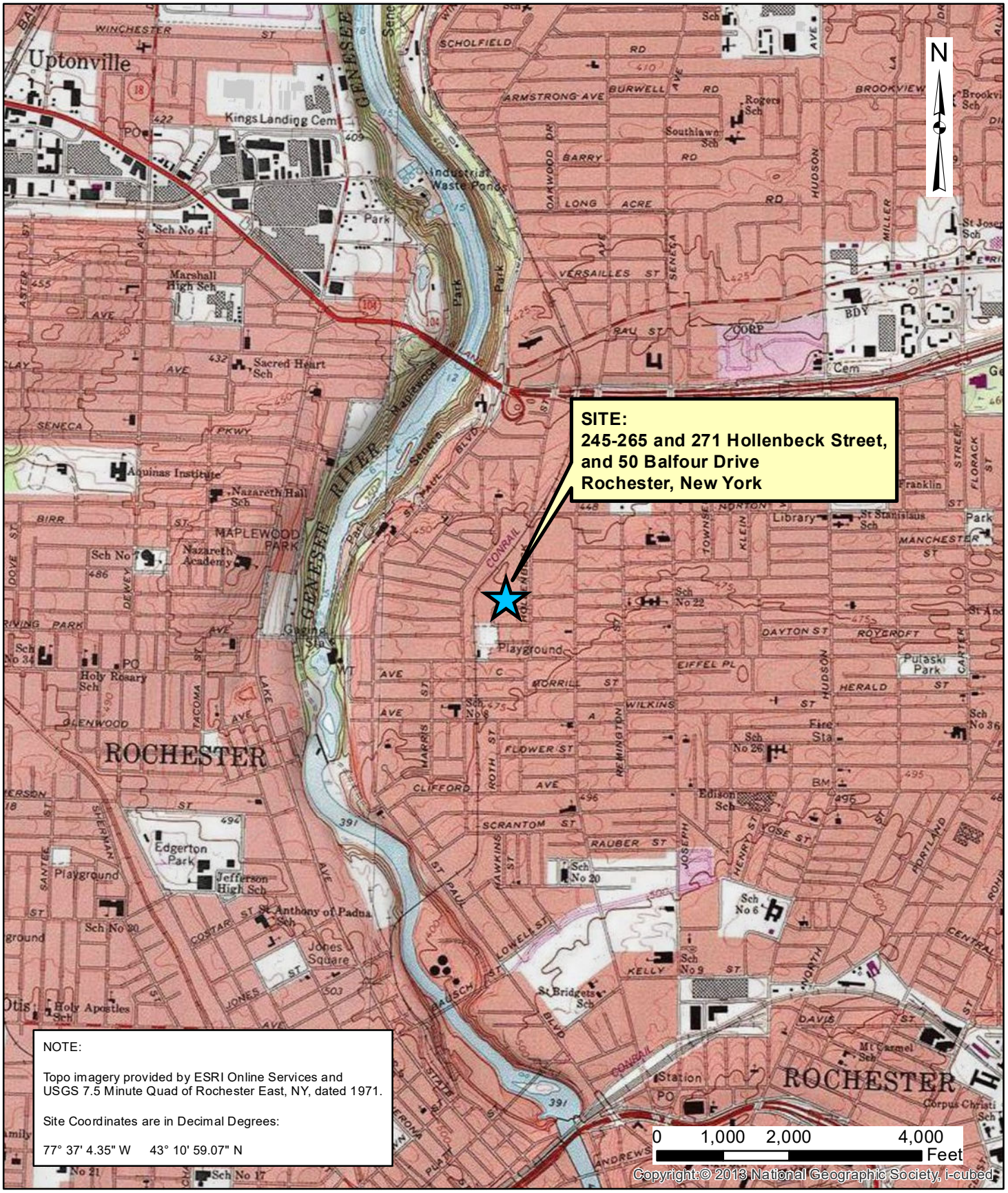
11.0 ACRONYMS

2D	Two Dimensional
3D	Three Dimensional
APPLUS	Applus+ RTD
ASP	Analytical Services Protocol
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
ATSDR	Agency for Toxic Substance of Disease Registry
Bgs	Below Ground Surface
CAMP	Community Air Monitoring Plan
Carus	Carus Remediation Technologies
CCD	Center City District
CCR	Construction Completion Report
City	City of Rochester
COC	Chain-Of-Custody
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
CVOC	Chlorinated Volatile Organic Compound
DAY	Day Engineering, P.C.
DCA	Dichloroethane
DCE	Dichloroethene
DHC	Dehalococcoides
DNAPL	Dense Non-Aqueous Phase Liquid
DUSR	Data Usability Summary Report
%D	Analyte Percent Drift
EC	Electrical Conductivity
EDV	Environmental Data Validation, Inc.
ELAP	Environmental Laboratory Approval Program
ERP	Environmental Restoration Program
eV	Electron Volt
FS	Feasibility Study
Ft.	Foot or Feet
FWRIA	Fish and Wildlife Resources Impact Analysis
GIS	Geographic Information System
GPR	Ground Penetrating Radar
GPS	Global Positioning System
GWSCO	Protection of Groundwater Soil Cleanup Objective
HASP	Health And Safety Plan
HAS	Hollow Stem Auger
HFM	Historic Fill Material

IDW	Investigation-Derived Waste
IRM	Interim Remedial Measure
ICO	In-Situ Chemical Oxidation
ISCO	Industrial Restricted Use Soil Cleanup Objective
L.F.	Linear Feet
LNAPL	Light Non-Aqueous Phase Liquid
MCDES	Monroe County Department of Environmental Services
MCL	Maximum Contaminant Level
MCPW	Monroe County Pure Waters
mg/kg	Milligram per Kilogram
m/sec	Meter per Second
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NAD	North American Datum
NYCRR	New York Codes, Rules and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
PDB	Passive Diffusion Bag
Phase I ESA	Phase I Environmental Site Assessment
Phase II ESA	Phase II Environmental Site Assessment
PID	Photoionization Detector
POTW	Publicly Owned Treatment Works
ppb	Parts Per Billion
ppm	Parts Per Million
psi	Pounds per Square Inch
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RAO	Remedial Action Objective
REC	Recognized Environmental Condition
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROW	Right-Of-Way
RPF	Relative Percent Difference
RQD	Rock Quality Determination
RRF	Relative Response Factor
SCG	Standard, Criteria and Guidance

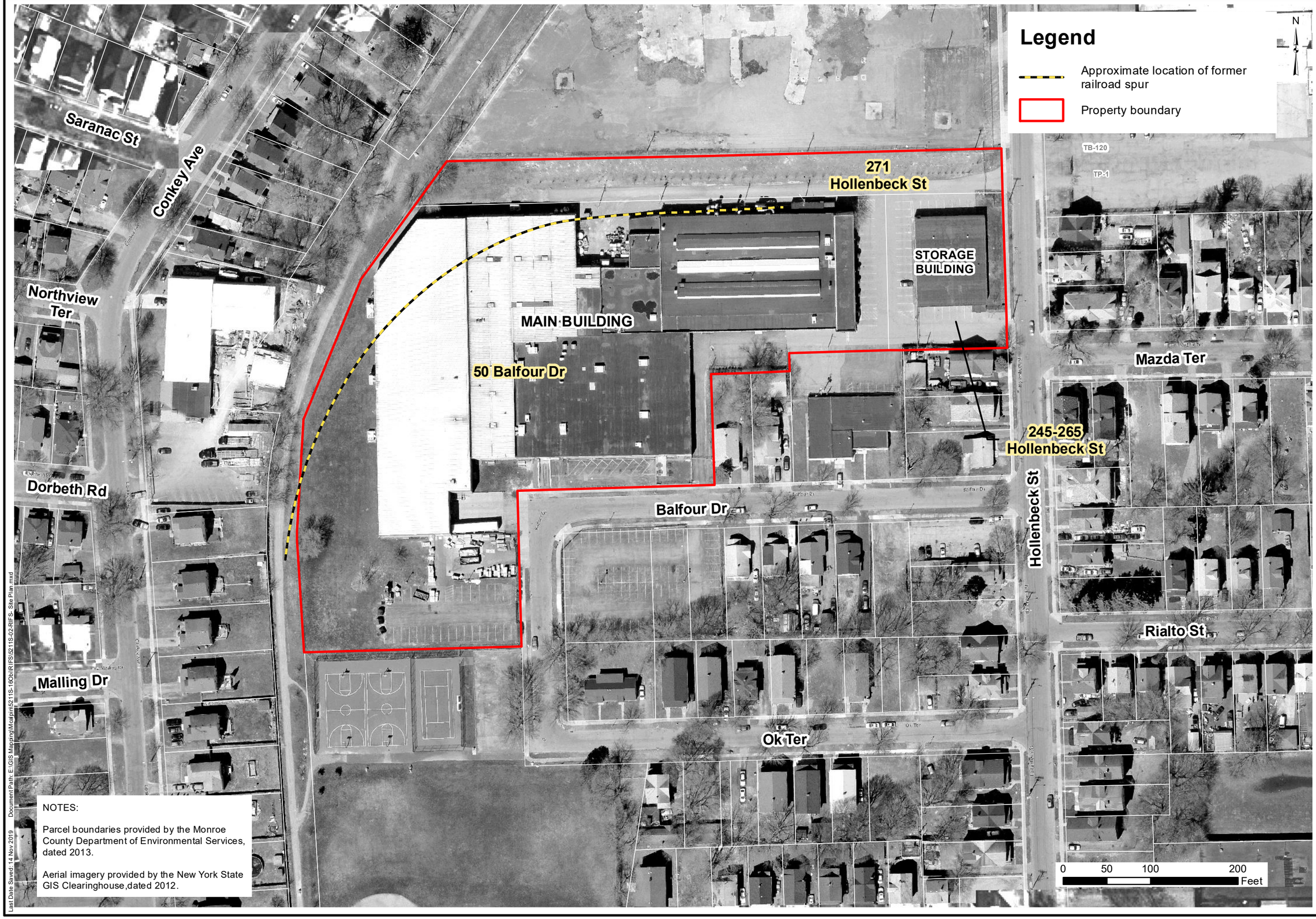
SCO	Soil Cleanup Objective
SF	Square Foot or Square Feet
SMDS	Sub-Membrane Depressurization System
SMP	Site Management Plan
Spectrum	Spectrum Eurofins Analytical, Inc.
SSDS	Sub-Slab Depressurization System
SVI	Soil Vapor Intrusion
SVOC	Semi-Volatile Organic Compound
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
TOGS	Technical and Operational Guidance Series
TREC	TREC Environmental Inc.
TPH	Total Petroleum Hydrocarbons
µg/l	Microgram per Liter
USEPA	United States Environmental Protection Agency
USCO	Unrestricted Use Soil Cleanup Objective
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

FIGURES



Date: 11-12-2019 Drawn By: CPS Scale: AS NOTED	**DAY ENGINEERING, P.C.** Environmental Engineering Consultants Rochester, New York 14606 New York, New York 10170	Project Title: OBI, LLC SITE 245 - 265 AND 271 HOLLENBECK ST, AND 50 BALFOUR DR ROCHESTER, NEW YORK NYSDEC SITE NO. 828188 Drawing Title: Project Locus Map	Project No. 5211S-16 FIGURE 1

Document Path: E:\GIS Mapping\Mcalpin\5211S-16Obi\RIFS\5211S-01-RIFS - Locus Map.mxd



NOTES:

Parcel boundaries provided by the Monroe County Department of Environmental Services, dated 2013.

Aerial imagery provided by the New York State GIS Clearinghouse,dated 2012.

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mxd\pln\5211S-16\ObiIR\FS\5211S-02-RIFS_Site Plan.mxd

PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-12-2019

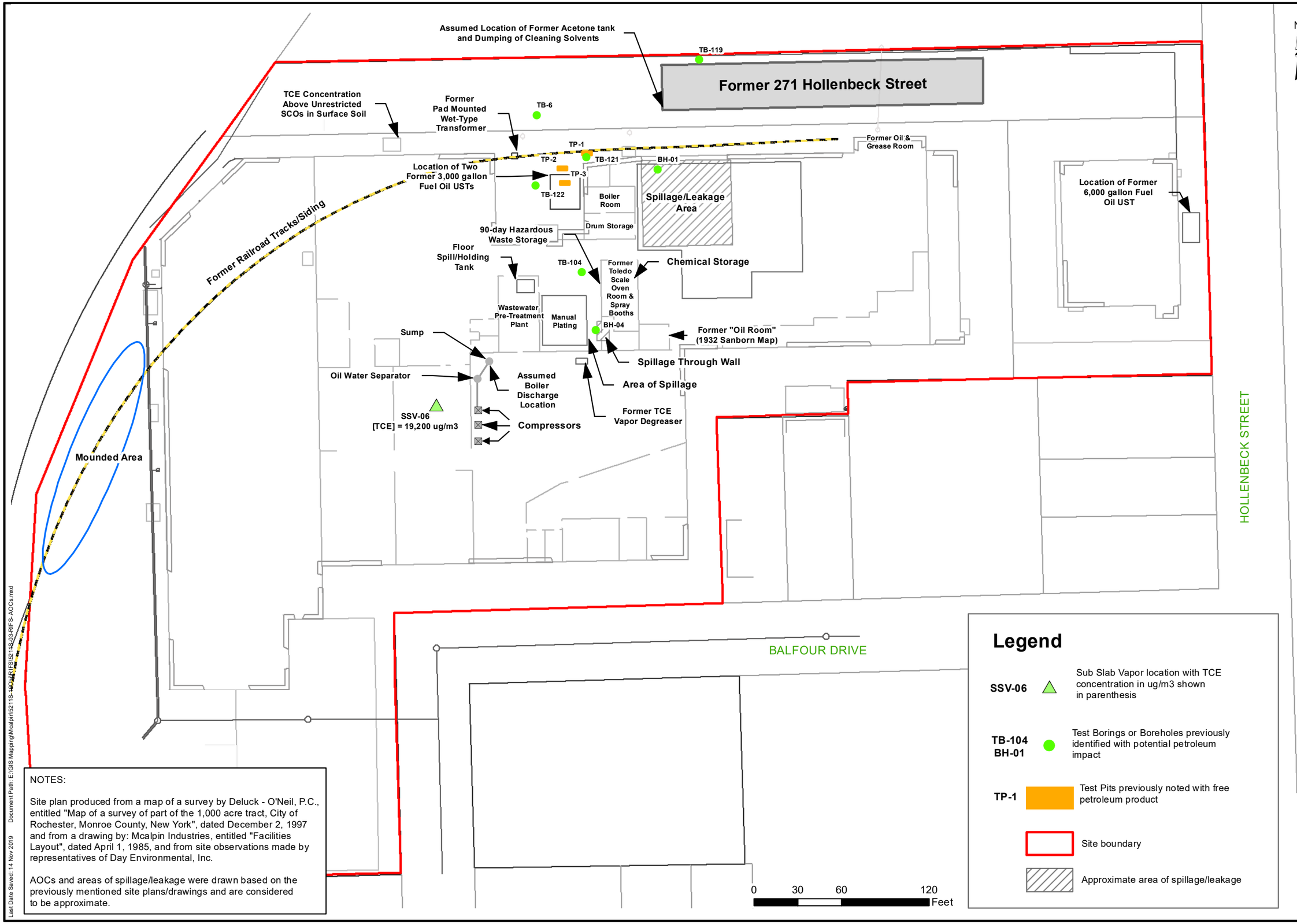
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Site Plan

Project No.
5211S-16

FIGURE 2



Legend

- **SSV-06** — Sub Slab Vapor location with TCE concentration in ug/m3 shown in parenthesis
- **TB-104 BH-01** — Test Borings or Boreholes previously identified with potential petroleum impact
- **TP-1** — Test Pits previously noted with free petroleum product
- Site boundary
- Approximate area of spillage/leakage

NOTES:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

AOCs and areas of spillage/leakage were drawn based on the previously mentioned site plans/drawings and are considered to be approximate.

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\MXD\[5211S-16]-RIFS-AOCs.mxd

PROJECT MANAGER	RLK
DATE	11-2019
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DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-12-2019

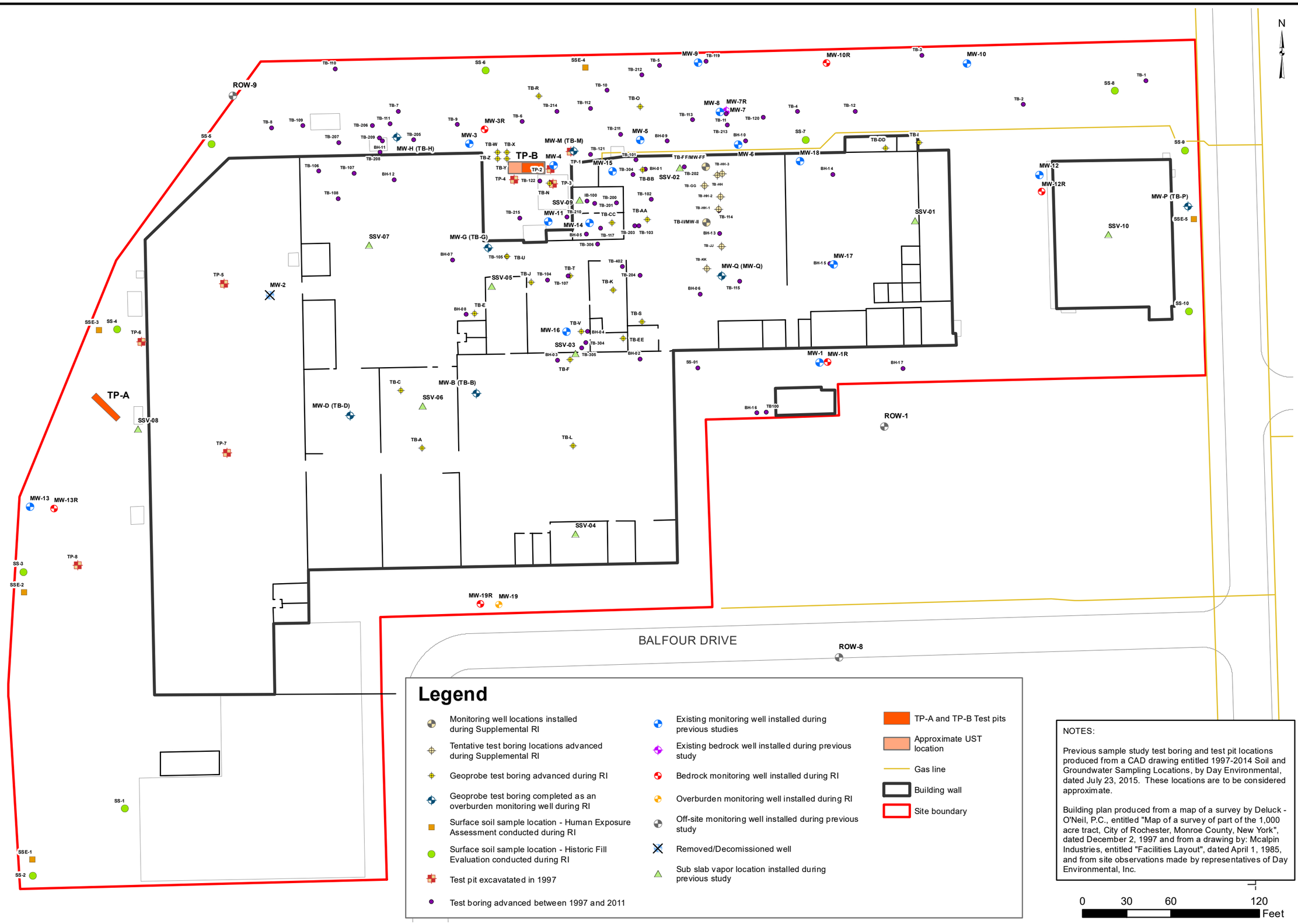
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Site Plan Showing Locations of Known and Potential Areas of Concern (AOCs) Identified in RI Work Plan

Project No.
5211S-16

FIGURE 3



Legend

- Monitoring well locations installed during Supplemental RI
- Tentative test boring locations advanced during Supplemental RI
- Geoprobe test boring advanced during RI
- Geoprobe test boring completed as an overburden monitoring well during RI
- Surface soil sample location - Human Exposure Assessment conducted during RI
- Surface soil sample location - Historic Fill Evaluation conducted during RI
- Test pit excavatated in 1997
- Test boring advanced between 1997 and 2011
- Existing monitoring well installed during previous studies
- Existing bedrock well installed during previous study
- Bedrock monitoring well installed during RI
- Overburden monitoring well installed during RI
- Off-site monitoring well installed during previous study
- Removed/Decomissioned well
- Sub slab vapor location installed during previous study
- TP-A and TP-B Test pits
- Approximate UST location
- Gas line
- Building wall
- Site boundary

NOTES:

Previous sample study test boring and test pit locations produced from a CAD drawing entitled 1997-2014 Soil and Groundwater Sampling Locations, by Day Environmental, dated July 23, 2015. These locations are to be considered approximate.

Building plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

DATE	11-2019
PROJECT MANAGER	RLK
DATE DRAWN	11-2019
DRAWN BY	CPS
DATE ISSUED	11-18-2019
SCALE	AS NOTED

day
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

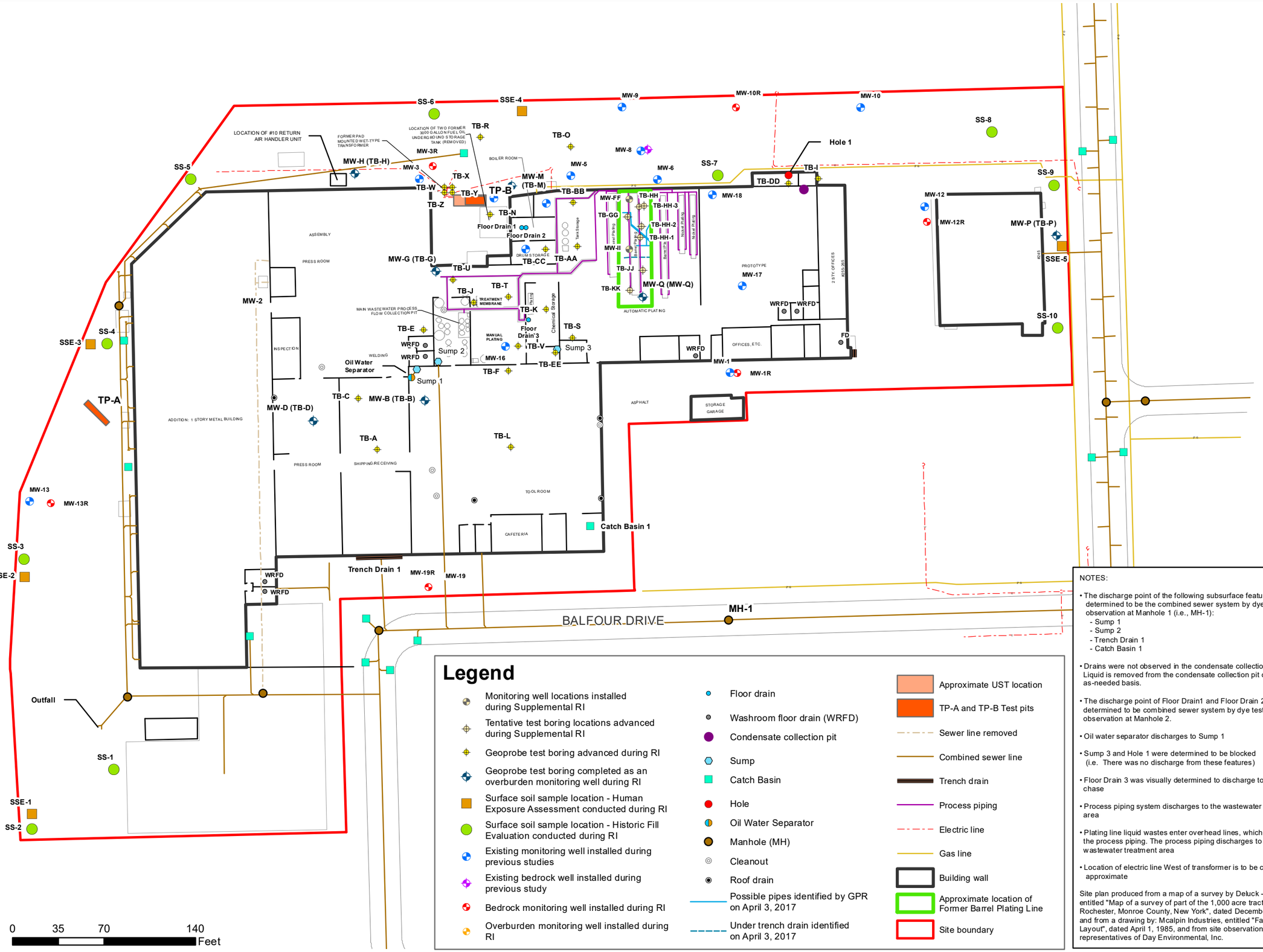
Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Site Plan with Previous Test Locations, Remedial Investigation (RI)
Test Locations, and Select Off-Site Test Locations

Project No.
5211S-16

FIGURE 4

Last Date Saved: 18 Nov 2019 Document Path: E:\GIS Mapping\Mxd\pln\5211S-16\Obi\RI\FS\5211S-04-RIFS - Sample Locations 20170714.mxd



Legend

- Monitoring well locations installed during Supplemental RI
- Tentative test boring locations advanced during Supplemental RI
- Geoprobe test boring advanced during RI
- Geoprobe test boring completed as an overburden monitoring well during RI
- Surface soil sample location - Human Exposure Assessment conducted during RI
- Surface soil sample location - Historic Fill Evaluation conducted during RI
- Existing monitoring well installed during previous studies
- Existing bedrock well installed during previous study
- Bedrock monitoring well installed during RI
- Overburden monitoring well installed during RI
- Floor drain
- Washroom floor drain (WRFD)
- Condensate collection pit
- Sump
- Catch Basin
- Hole
- Oil Water Separator
- Manhole (MH)
- Cleanout
- Roof drain
- Possible pipes identified by GPR on April 3, 2017
- Under trench drain identified on April 3, 2017
- Approximate UST location
- TP-A and TP-B Test pits
- Sewer line removed
- Combined sewer line
- Trench drain
- Process piping
- Electric line
- Gas line
- Building wall
- Approximate location of Former Barrel Plating Line
- Site boundary

NOTES:

- The discharge point of the following subsurface features was determined to be the combined sewer system by dye testing and observation at Manhole 1 (i.e., MH-1):
  - Sump 1
  - Sump 2
  - Trench Drain 1
  - Catch Basin 1
- Drains were not observed in the condensate collection pit. Liquid is removed from the condensate collection pit on an as-needed basis.
- The discharge point of Floor Drain1 and Floor Drain 2 was determined to be combined sewer system by dye testing and observation at Manhole 2.
- Oil water separator discharges to Sump 1
- Sump 3 and Hole 1 were determined to be blocked (i.e. There was no discharge from these features)
- Floor Drain 3 was visually determined to discharge to the pipe chase
- Process piping system discharges to the wastewater treatment area
- Plating line liquid wastes enter overhead lines, which then enter the process piping. The process piping discharges to the wastewater treatment area
- Location of electric line West of transformer is to be considered approximate

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

PROJECT MANAGER	DRAWN BY	SCALE	DATE
RLK	CPS	AS NOTED	11-2019
			DATE DRAWN: 11-2019
			DATE ISSUED: 11-25-2019

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title: OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title: Site Plan - Utility Assessment Plan and RI Test Locations

Project No.
5211S-16

FIGURE 5

Last Date Saved: 25 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16Obi\RIFS\5211S-05-RIFS-Utility Ass-ev20191125.mxd

TB-H (0-1)2/9/2016
Methylene chloride 0.0544 O01,JD AB
Trichloroethene 0.826 D AB
Copper 97 J A
Nickel 1860 J AB

SS-5 (0-1)2/9/2016
Cyanide 34.7 A

SS-7 (0-1)7/26/2016
Benzo(a)anthracene 3.95 AB
Benzo(a)pyrene 3.94 AC
Benzo(b)fluoranthene 2.76 A
Benzo(k)fluoranthene 5.17 AB
Chrysene 4.82 AB
Indeno(1,2,3-cd)pyrene 2.79 A

SS-7 (1-2)2/9/2016
Acetone 0.201 AB
Benzo(a)anthracene 11.1 D ABC
Benzo(a)pyrene 9.63 D AC
Benzo(b)fluoranthene 12 D ABC
Benzo(k)fluoranthene 4.29 D AB
Chrysene 9.32 D AB
Dibenzo(a,h)anthracene 1.33 D A
Indeno(1,2,3-cd)pyrene 6.35 D A
Copper 85.8 J A
Lead 101 J A

SS-8 (0-1)2/8/2016
Benzo(b)fluoranthene 1.01 D A
Indeno(1,2,3-cd)pyrene 0.59 D A
Lead 67.1 J A

SS-8 (1.8) 2/8/2016
Lead 168 J A
Mercury 0.376 A
Zinc 150 J A

SS-9 (0-1)2/8/2016
Benzo(a)anthracene 1.21 D AB
Benzo(a)pyrene 1.21 D AC
Benzo(b)fluoranthene 1.73 D AB
Chrysene 1.44 D AB
Indeno(1,2,3-cd)pyrene 0.837 D A
Mercury 0.183 A

MW-1R (0-1)2/8/2016
Benzo(a)anthracene 24.1 D ABC
Benzo(a)pyrene 34.5 D ABC
Benzo(b)fluoranthene 47.9 D ABC
Benzo(k)fluoranthene 13.6 D AB
Chrysene 21.5 D AB
Dibenzo(a,h)anthracene 4.98 D AC
Indeno(1,2,3-cd)pyrene 26.1 D ABC
Chromium 45.5 J A
Copper 175 J A
Lead 623 J AB

SS-3 (0-1)2/8/2016
Indeno(1,2,3-cd)pyrene 0.546 D A
Chromium 40.8 J A
Copper 335 J A
Lead 404 J A
Zinc 219 J A

SSE-2 (0-0.18)2/12/2016
Benzo(a)anthracene 6.69 D AB
Benzo(a)pyrene 5.91 D AC
Benzo(b)fluoranthene 8.81 D AB
Benzo(k)fluoranthene 2.68 D AB
Chrysene 6.21 D AB
Dibenzo(a,h)anthracene 0.742 D A
Indeno(1,2,3-cd)pyrene 3.31 D A
Copper 88.9 J A
Lead 137 J A
Zinc 173 J A

BALFOUR DRIVE

N

Legend

- Geoprobe test boring completed as an overburden monitoring well during RI
- Surface soil sample location - Human Exposure Assessment conducted during RI
- Surface soil sample location - Historic Fill Evaluation conducted during RI
- Existing monitoring well installed during previous studies
- Building wall
- Site boundary

0 30 60 120 Feet

Compound	A USCOs	B GWSCOs	C ISCOs
Acetone	0.05	0.05	1000
Methylene chloride	0.05	0.05	1000
Trichloroethene	0.47	0.47	400
Benzo(a)anthracene	1	1	11
Benzo(a)pyrene	1	22	1.1
Benzo(b)fluoranthene	1	1.7	11
Benzo(k)fluoranthene	0.8	1.7	110
Chrysene	1	1	110
Dibenzo(a,h)anthracene	0.33	1000	1.1
Indeno(1,2,3-cd)pyrene	0.5	8.2	11
Chromium	30	NS	6800
Copper	50	1720	1000
Lead	63	450	3900
Mercury	0.18	0.73	5.7
Nickel	30	130	10000
Zinc	109	2480	10000
Cyanide	27	40	10000

NOTES:

Previous sample study test boring and test pit locations produced from a CAD drawing entitled 1997-2014 Soil and Groundwater Sampling Locations, by Day Environmental, dated July 23, 2015. These locations are to be considered approximate.

Building plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-18-2019

day
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

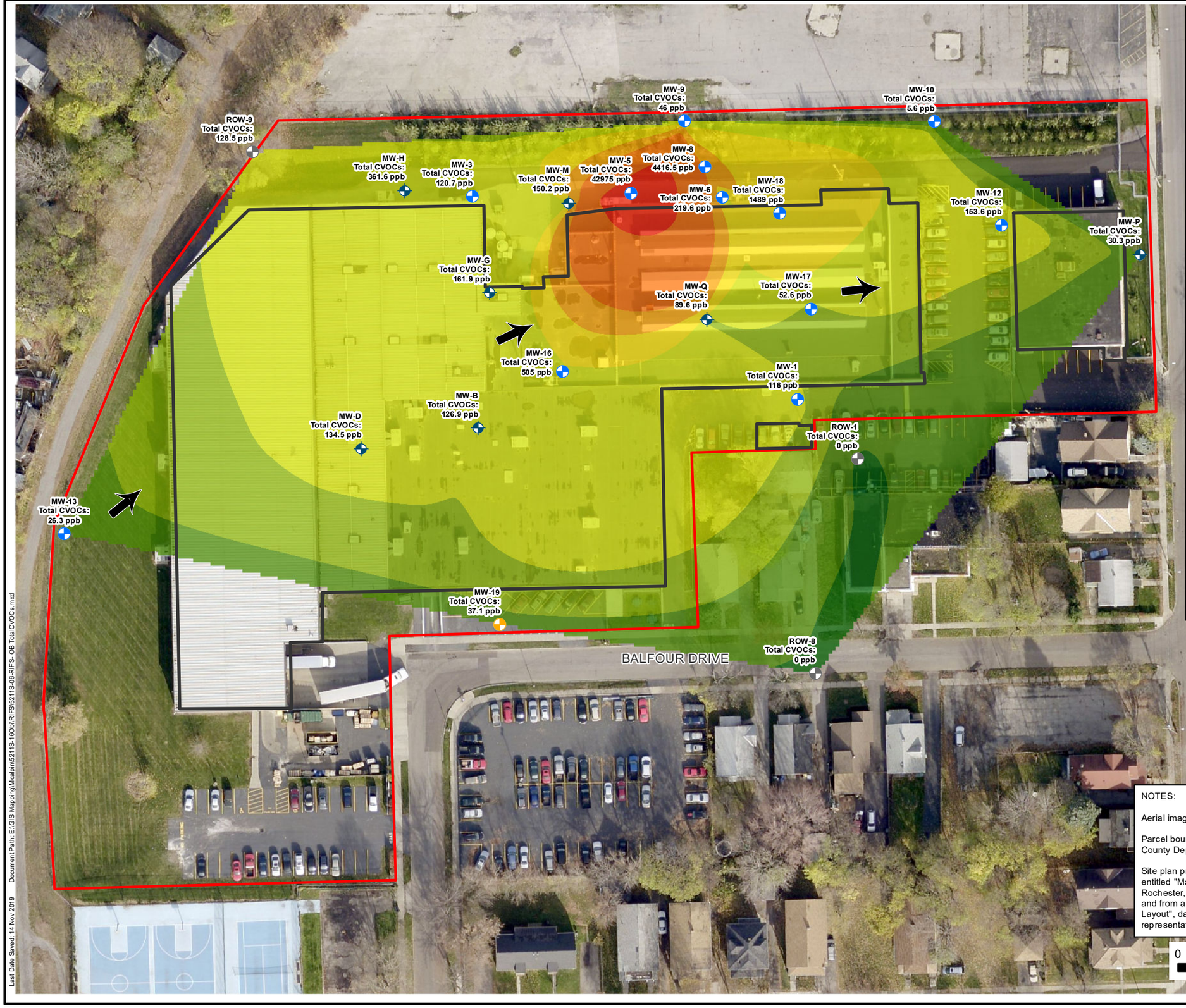
Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Spider Diagram with Extent of Contamination in Human Health Exposure Samples and Historic Fill Material Samples

Project No.
5211S-16

FIGURE 6

Last Date Saved: 18 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Obi\RIFS\5211S-21-RIFS - Surface Soil Sampled.mxd



Legend

N

- Off-site monitoring locations installed during previous study (Sample collected 2014)
- Existing monitoring well installed during previous studies
- Geoprobe test boring completed as an overburden monitoring well during RI
- Overburden monitoring well installed during RI
- Building
- Site boundary

Total Chlorinated Volatile Organic Compounds (CVOCs) in overburden groundwater measured in parts per billion (ppb)

- 0 - 5
- 5 - 50
- 50 - 100
- 100 - 500
- 500 - 2,000
- 2,000 - 5,000
- 5,000 - 20,000
- 20,000 - 42,975

- Approximate flow of groundwater

NOTES:

Aerial imagery provided by the City of Rochester, dated 2012.

Parcel boundary and building footprint provided by Monroe County Department of Environmental Services, dated 2012.

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

0 35 70 140 Feet

PROJECT MANAGER	RLK	DRAWN BY	CPS	SCALE AS NOTED
DATE	11-2019	DATE DRAWN	11-2019	DATE ISSUED 11-12-2019

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

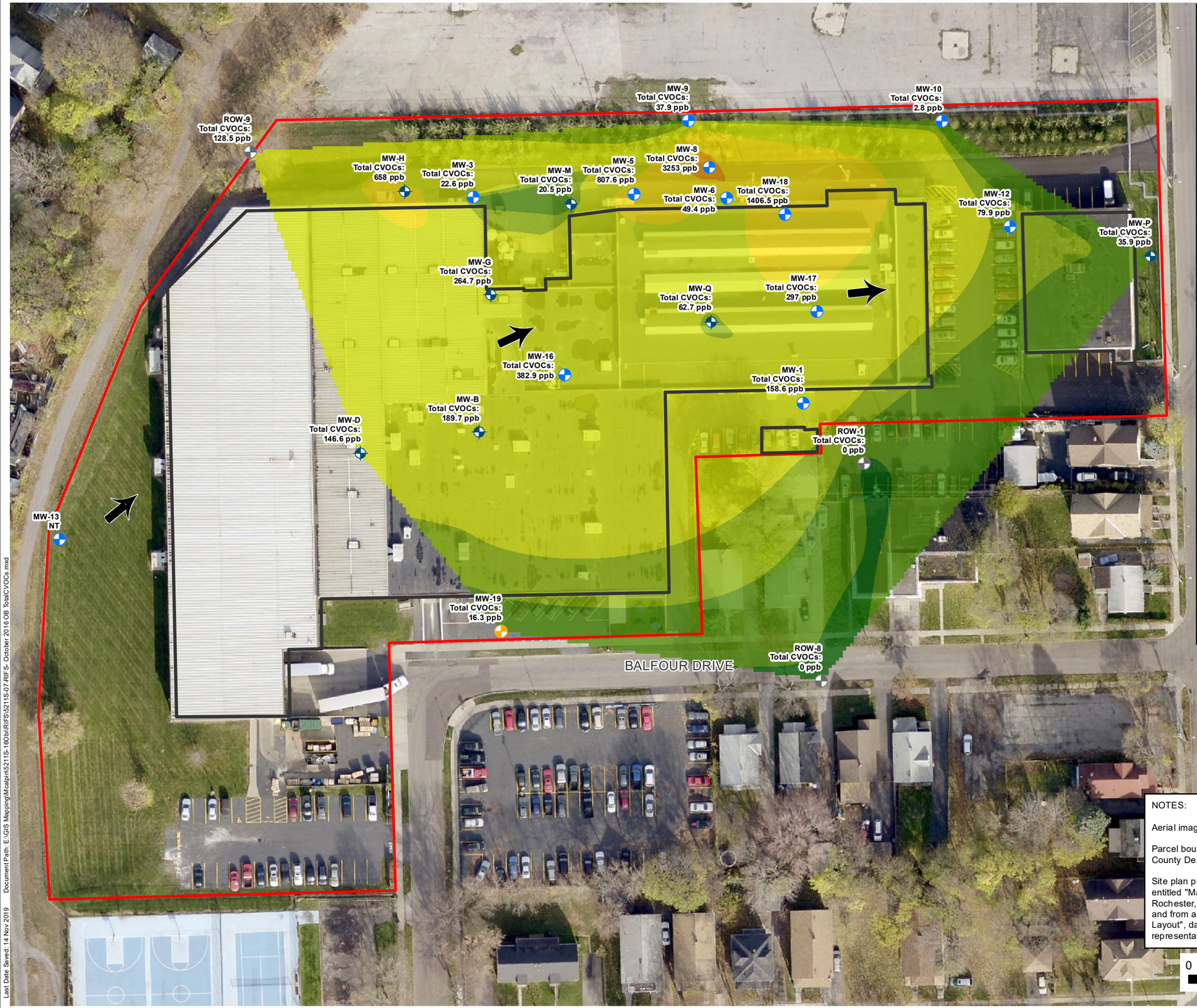
Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Total Chlorinated VOCs in Overburden Groundwater in May - July 2016

Project No.
5211S-16

FIGURE 7A

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Obi\RIFS\5211S-06-RIFS- OB TotalCVOCs.mxd



Legend

N

- Off-site monitoring locations installed during previous study (Sample collected 2014)
- Existing monitoring well installed during previous studies
- Geoprobe test boring completed as an overburden monitoring well during RI
- Overburden monitoring well installed during RI
- Building
- Site boundary

Total Chlorinated Volatile Organic Compounds (CVOCs) in overburden groundwater measured in parts per billion (ppb)

- 0 - 5
- 5 - 50
- 50 - 100
- 100 - 500
- 500 - 2,000
- 2,000 - 5,000
- 5,000 - 20,000
- 20,000 - 42,975

Approximate flow of groundwater

NT = Not Tested

NOTES:

Aerial imagery provided by the City of Rochester, dated 2012.

Parcel boundary and building footprint provided by Monroe County Department of Environmental Services, dated 2012.

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

0 35 70 140 Feet

PROJECT MANAGER	RLK	DRAWN BY	CPS	SCALE AS NOTED
DATE	11-2019	DATE DRAWN	11-2019	DATE ISSUED 11-12-2019

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

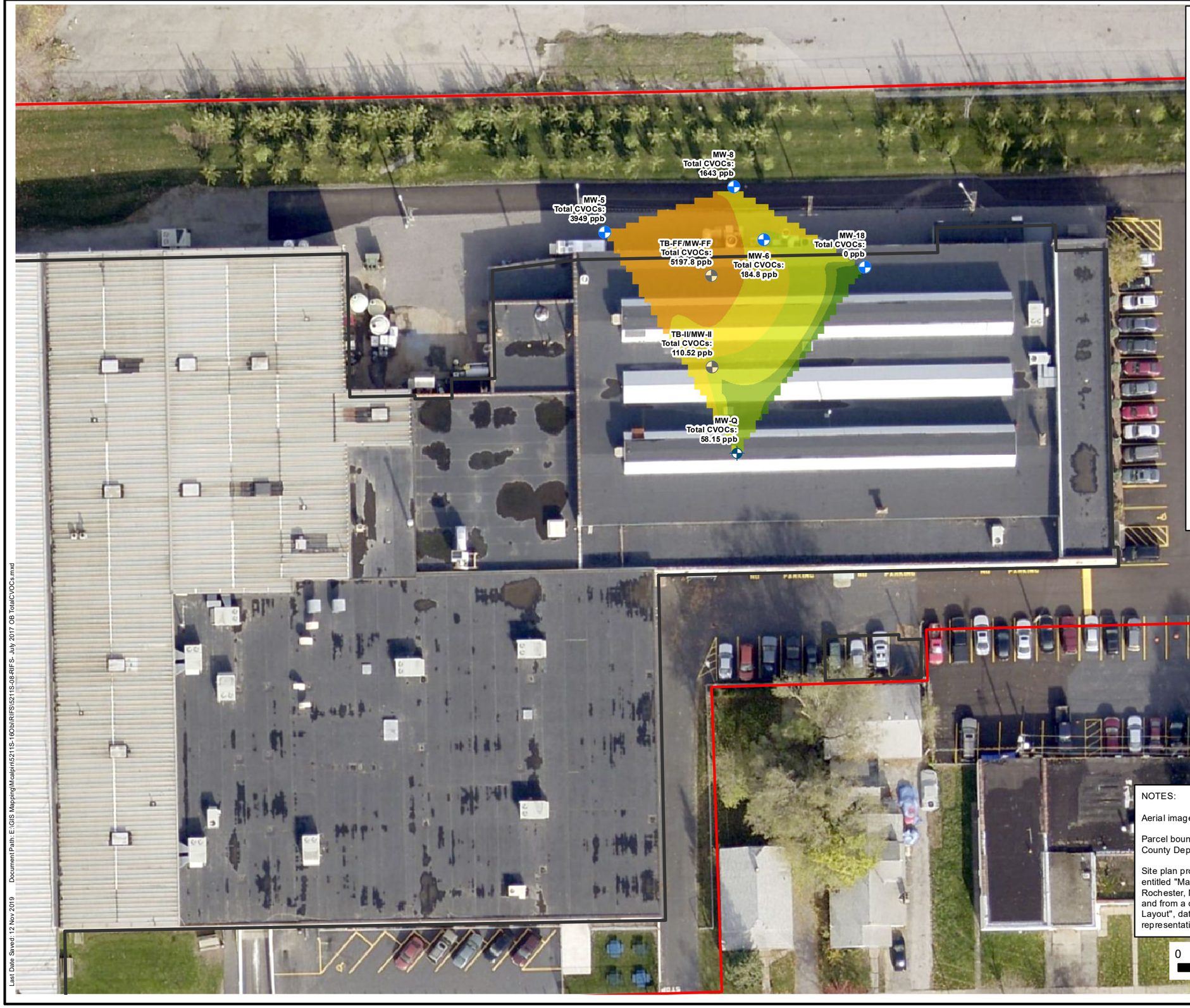
Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Total Chlorinated VOCs in Overburden Groundwater in September - October 2016

Project No.
5211S-16

FIGURE 7B

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\ObiRIFS\5211S-07-RIFS- October 2016 OB TotalCVOCs.mxd



Legend

N

- Existing monitoring well installed during previous studies
- Geoprobe test boring completed as an overburden monitoring well during RI
- Monitoring well installed during Supplemental RI
- Building
- Site boundary

Total Chlorinated Volatile Organic Compounds (CVOCs) in overburden groundwater measured in parts per billion (ppb)

- 0 - 5
- 5 - 50
- 50 - 100
- 100 - 500
- 500 - 2,000
- 2,000 - 5,000
- 5,000 - 20,000
- 20,000 - 42,975

- Approximate flow of groundwater

NOTES:

Aerial imagery provided by the City of Rochester, dated 2012.

Parcel boundary and building footprint provided by Monroe County Department of Environmental Services, dated 2012.

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

0 20 40 80 Feet

PROJECT MANAGER	DATE
RLK	11-2019
DRAWN BY	DATE DRAWN
CPS	11-2019
SCALE	DATE ISSUED
AS NOTED	11-12-2019

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

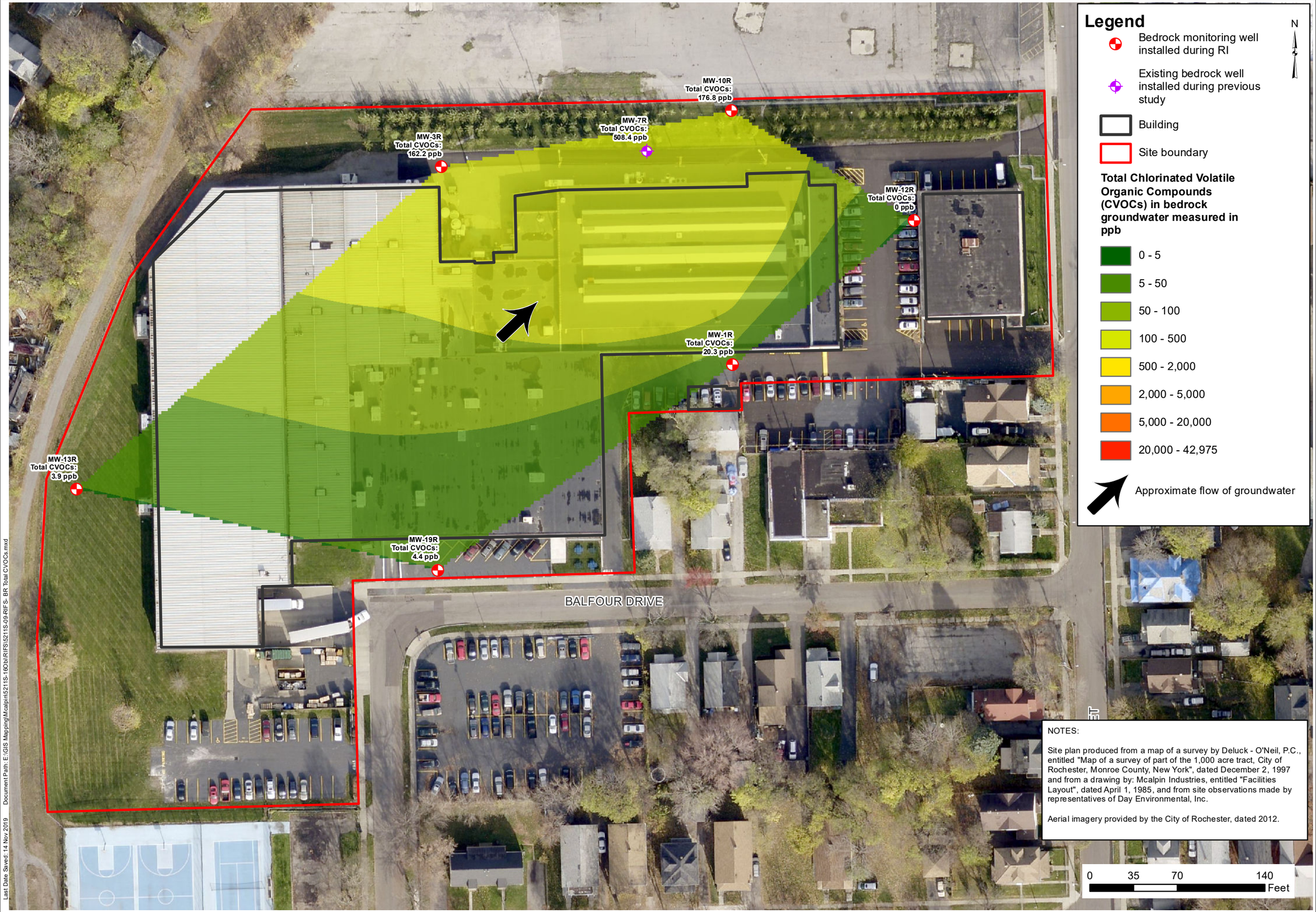
Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Total Chlorinated VOCs in Overburden Groundwater in April 2017

Project No.
5211S-16

FIGURE 7C

Last Date Saved: 12 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Obi\RIFS\5211S-08-RIFS- July 2017 OB TotalCVOCs.mxd



Legend

- Bedrock monitoring well installed during RI
- Existing bedrock well installed during previous study
- Building
- Site boundary

Total Chlorinated Volatile Organic Compounds (CVOCs) in bedrock groundwater measured in ppb

- 0 - 5
- 5 - 50
- 50 - 100
- 100 - 500
- 500 - 2,000
- 2,000 - 5,000
- 5,000 - 20,000
- 20,000 - 42,975

Approximate flow of groundwater

N

NOTES:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

Aerial imagery provided by the City of Rochester, dated 2012.

0 35 70 140 Feet

DESIGNED BY	DRAWN BY	SCALE	DATE
RLK	CPS	AS NOTED	08-2016

DATE	DATE ISSUED
08-2016	12-15-2016

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

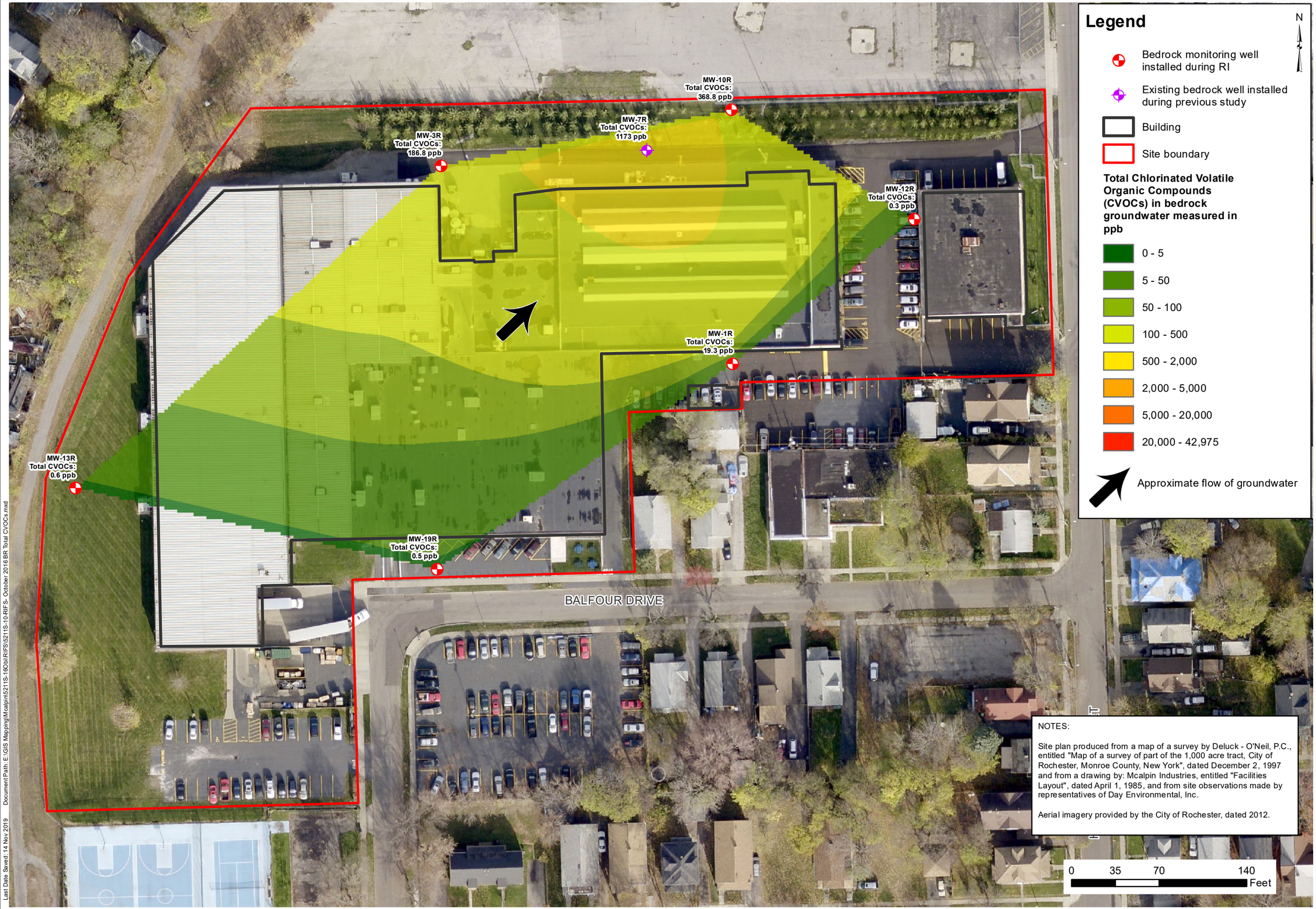
Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Total Chlorinated VOCs in Bedrock Groundwater in May - June 2016

Project No.
5211S-16

FIGURE 8A

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Obi\RIFS\5211S-09-RIFS- BR Total CVOCs.mxd



Legend

N

- Bedrock monitoring well installed during RI
- Existing bedrock well installed during previous study
- Building
- Site boundary

Total Chlorinated Volatile Organic Compounds (CVOCs) in bedrock groundwater measured in ppb

- 0 - 5
- 5 - 50
- 50 - 100
- 100 - 500
- 500 - 2,000
- 2,000 - 5,000
- 5,000 - 20,000
- 20,000 - 42,975

Approximate flow of groundwater

NOTES:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

Aerial imagery provided by the City of Rochester, dated 2012.

0 35 70 140 Feet

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\bin\RIFS\5211S-10-RIFS- October 2016 BR Total CVOCs.mxd

PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-12-2019

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Total Chlorinated VOCs in Bedrock Groundwater in September - October 2016

Project No.
5211S-16

FIGURE 8B

TB-H-1 (0-1) 2/9/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.826 D AB
Vinyl chloride ND
Total Xylenes ND
Total TICs 0.880

TB-H-1 (9.2-11.2) 4/6/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0146
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.0382
Vinyl chloride 0.0303 AB
Total Xylenes 0.0009 J
Total TICs 0.486

CONKEY AVE

TB-W-1 (0-4) 4/6/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.0032 J
Vinyl chloride ND
Total Xylenes ND
Total TICs 0.115

TB-R-1 (8-10) 4/6/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene ND
Vinyl chloride ND
Total Xylenes 0.0551 JD
Total TICs 30.8

TB-CC (9-11.4) 4/1/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0282
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 2.15 D AB
Vinyl chloride ND
Total Xylenes ND
Total TICs 0.878

TB-O-1 (8-11.8) 4/6/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.0047
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-AA (10-11) 4/4/2016
Acetone ND J
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0018 J
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.0452 J
Vinyl chloride ND J
Total Xylenes ND
Total TICs 1.06

TB-HH (11.5-12.5) 4/3/2017
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.00463
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.00288 J
Vinyl chloride 0.00212 J
Total Xylenes ND
Total TICs 0.0108

TB-N-1 (6-8.5) 4/6/2016
Acetone 0.0236 J
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0469 JD
trans-1,2-Dichloroethene 0.0024 J
Tetrachloroethene ND
Trichloroethene 1.7 D AB
Vinyl chloride 0.0104
Total Xylenes ND
Total TICs 0.0075

TB-M-1 (8-11.7) 4/6/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0075
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.0027 J
Vinyl chloride ND
Total Xylenes 0.0021 J
Total TICs 0.796

TB-BB (9-11) 4/1/2016
Acetone 0.0205 J
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 7.52 D AB
trans-1,2-Dichloroethene 0.0084
Tetrachloroethene ND
Trichloroethene 0.0028 J
Vinyl chloride 1.31 J, D AB
Total Xylenes 0.0184
Total TICs 1.267

TB-FF (10-12) 4/5/2017
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0242
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.0044
Vinyl chloride 0.0103
Total Xylenes ND
Total TICs 0.0584

TB-DD (5-7) 4/1/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene ND
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-I-1 (0-4) 4/6/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene ND
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-G (6-8) 3/31/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND J
Trichloroethene ND
Vinyl chloride ND
Total Xylenes ND
Total TICs 66.8 D

TB-U (7-9) 3/31/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND J
Trichloroethene ND
Vinyl chloride ND
Total Xylenes ND
Total TICs 33.4

TB-P-1 (8-11.8) 4/6/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene ND
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-T (11-12) 4/1/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene 0.041 J, D
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND J
Trichloroethene ND
Vinyl chloride ND
Total Xylenes ND
Total TICs 18.6

TB-J(6-7) 3/31/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0039 J
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.0238
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-II (11-12.7) 4/5/2017
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.197 D
trans-1,2-Dichloroethene 0.00347 J
Tetrachloroethene ND
Trichloroethene 2.21 D AB
Vinyl chloride 0.00272 J
Total Xylenes 0.1441
Total TICs 0.709

TB-GG (10-12) 4/3/2017
Acetone ND J
Benzene ND
1,4-Dichlorobenzene ND J
cis-1,2-Dichloroethene 0.195 D
trans-1,2-Dichloroethene 0.00254 J
Tetrachloroethene 0.0158 JD
Trichloroethene 0.0199 JD
Vinyl chloride 0.0093 J+
Total Xylenes 0.0414 JD
Total TICs ND

TB-E (5-7) 4/1/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.002 J
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.52 D AB
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-Q(MW-Q) (10-11) 4/1/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.007
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.0005 J
Vinyl chloride ND
Total Xylenes ND
Total TICs 0.0033

TB-JJ (11-11.7) 4/3/2017
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.364 D AB
trans-1,2-Dichloroethene ND
Tetrachloroethene 0.0285 JD
Trichloroethene 0.0232 JD
Vinyl chloride ND
Total Xylenes 0.0674
Total TICs 8.9

TB-K(10-11) 3/31/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND J
Trichloroethene 0.808 D AB
Vinyl chloride ND
Total Xylenes ND
Total TICs 25.4

TB-KK (10-12) 4/3/2017
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.756 D AB
trans-1,2-Dichloroethene 0.00596
Tetrachloroethene ND
Trichloroethene 0.238 D
Vinyl chloride 0.0531 JD AB
Total Xylenes 0.123
Total TICs 6

TB-D (9-12) 4/1/2016
Acetone ND J
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND J
Trichloroethene 0.459 J
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-C (4-6) 4/1/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene ND
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-L (7-9.5) 4/4/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0077
trans-1,2-Dichloroethene ND
Tetrachloroethene 0.0161
Trichloroethene 0.0406
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-EE (1-4) 4/1/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.0165
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-S (6.5-7.5) 4/1/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 2.25 AB
trans-1,2-Dichloroethene 0.007
Tetrachloroethene ND
Trichloroethene 5.58 D AB
Vinyl chloride 0.0036 J
Total Xylenes ND
Total TICs 1.117

TB-F (4-7) 4/1/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene ND
trans-1,2-Dichloroethene ND
Tetrachloroethene 0.0027 J
Trichloroethene 0.764 D AB
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-B (4-6) 4/1/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0131
trans-1,2-Dichloroethene 0.0032 J
Tetrachloroethene ND
Trichloroethene 0.791 D AB
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-A (4.5-7.5) 4/1/2016
Acetone 0.0463 J
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0043 J
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene ND
Vinyl chloride ND
Total Xylenes ND
Total TICs ND

TB-V(9.5-10.5) 3/31/2016
Acetone ND
Benzene ND
1,4-Dichlorobenzene ND
cis-1,2-Dichloroethene 0.0079
trans-1,2-Dichloroethene ND
Tetrachloroethene ND
Trichloroethene 0.0059
Vinyl chloride ND
Total Xylenes ND
Total TICs 0.608

MW-9 MW-10R MW-10 MW-7R MW-8 MW-7 MW-3R MW-5 MW-6 MW-3 TB-X TB-Z TB-Y MW-18 MW-12 MW-12R MW-17 MW-Q MW-16 MW-1 MW-1R MW-13 MW-13R MW-19R MW-19

HOLLENBECK ST

BALFOUR DR

N

Legend

- Monitoring well locations installed during Supplemental RI
- Tentative test boring locations advanced during Supplemental RI
- Geoprobe test boring advanced during RI
- Geoprobe test boring completed as an overburden monitoring well during RI
- Building wall
- Existing bedrock well installed during previous study
- Bedrock monitoring well installed during RI
- Overburden monitoring well installed during RI
- Site boundary

Total Chlorinated Volatile Organic Compounds (CVOCs) in overburden groundwater measured in parts per billion (ppb)

- 0 - 5
- 5 - 50
- 50 - 100
- 100 - 500
- 500 - 2,000
- 2,000 - 5,000
- 5,000 - 20,000
- 20,000 - 42,975

Compound	A USCOs	B GWSCOs	C ISCOs
Acetone	0.05	0.05	1000
Benzene	0.06	0.06	89
1,4-Dichlorobenzene	1.8	1.8	250
cis-1,2-Dichloroethene	0.25	0.25	1000
trans-1,2-Dichloroethene	0.19	0.19	1000
Tetrachloroethene	1.3	1.3	300
Trichloroethene	0.47	0.47	400
Vinyl chloride	0.02	0.02	27
Total Xylenes	0.26	1.6	1000
TICS	NS	NS	NS

NOTES:

Test boring ID in **Blue** = Soil sample collected from assumed saturated zone.

Building plan produced from a map of a survey by Deluck O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

0 40 80 160 Feet

PROJECT MANAGER: RLK | DRAWN BY: CPS | SCALE: AS NOTED | DATE: 11-2019 | DATE DRAWN: 11-2019 | DATE ISSUED: 11-18-2019

day
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title: OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST, AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title: Spider Diagram with Concentrations of VOCs in Soil Samples for Compounds Detected in Groundwater above SCGs

Project No. 5211S-16

FIGURE 9

Last Date Saved: 18 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Ds\RIFS\5211S-2Ds RIFS - VOCs Sampled.mxd

MW-9
443.32 ft

MW-10
442.87 ft

MW-8
443.31 ft

MW-H
443.61 ft

MW-3
443.45 ft

MW-M
443.51 ft

MW-5
443.42 ft

MW-6
443.19 ft

MW-18
443.12 ft

MW-12
442.02 ft

MW-P
441.54 ft

MW-G
443.66 ft

MW-Q
443.22 ft

MW-17
443.12 ft

MW-16
443.67 ft

MW-1
443.4 ft

MW-B
443.83 ft

MW-D
443.93 ft

MW-13
444.08 ft

MW-19
443.82 ft

443.40
443.20
443.00
442.80
442.40
442.20
442.00
441.80
442.60
443.60
443.80
444.00

BALFOUR DRIVE

HOLLENBECK STREET

Legend

- Overburden monitoring well installed during RI
- Existing monitoring well installed during previous study
- Geoprobe test boring completed as an overburden monitoring well during RI
- Potentiometric groundwater contour
- Building
- Site boundary
- Approximate flow of groundwater

N

0 30 60 120 Feet

NOTES:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

Aerial imagery provided by the City of Rochester, dated 2012.

PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-12-2019

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Site Plan with Overburden Groundwater Potentiometric Map
for May 23, 2016

Project No.
5211S-16

FIGURE 10

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\ObiRIFS\5211S-11-RIFS- Overburden Groundwater map 20160623.mxd

MW-10R
442.81 ft

MW-7R
442.94 ft

MW-3R
443.27 ft

443

443.5

MW-12R
442.69 ft

MW-1R
443.04 ft

444

MW-13R
443.94 ft

MW-19R
444.43 ft

BALFOUR DRIVE

HOLLENBECK ST

Legend

N

- Bedrock monitoring well installed during RI
- Existing Bedrock well installed during previous study
- Potentiometric groundwater contour
- Building
- Site boundary
- Approximate flow of groundwater

NOTES:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

Aerial imagery provided by the City of Rochester, dated 2012.

0 30 60 120 Feet

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Bk\RIFS\5211S-12-RIFS- Bedrock Groundwater map 20160523.mxd

PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-12-2019

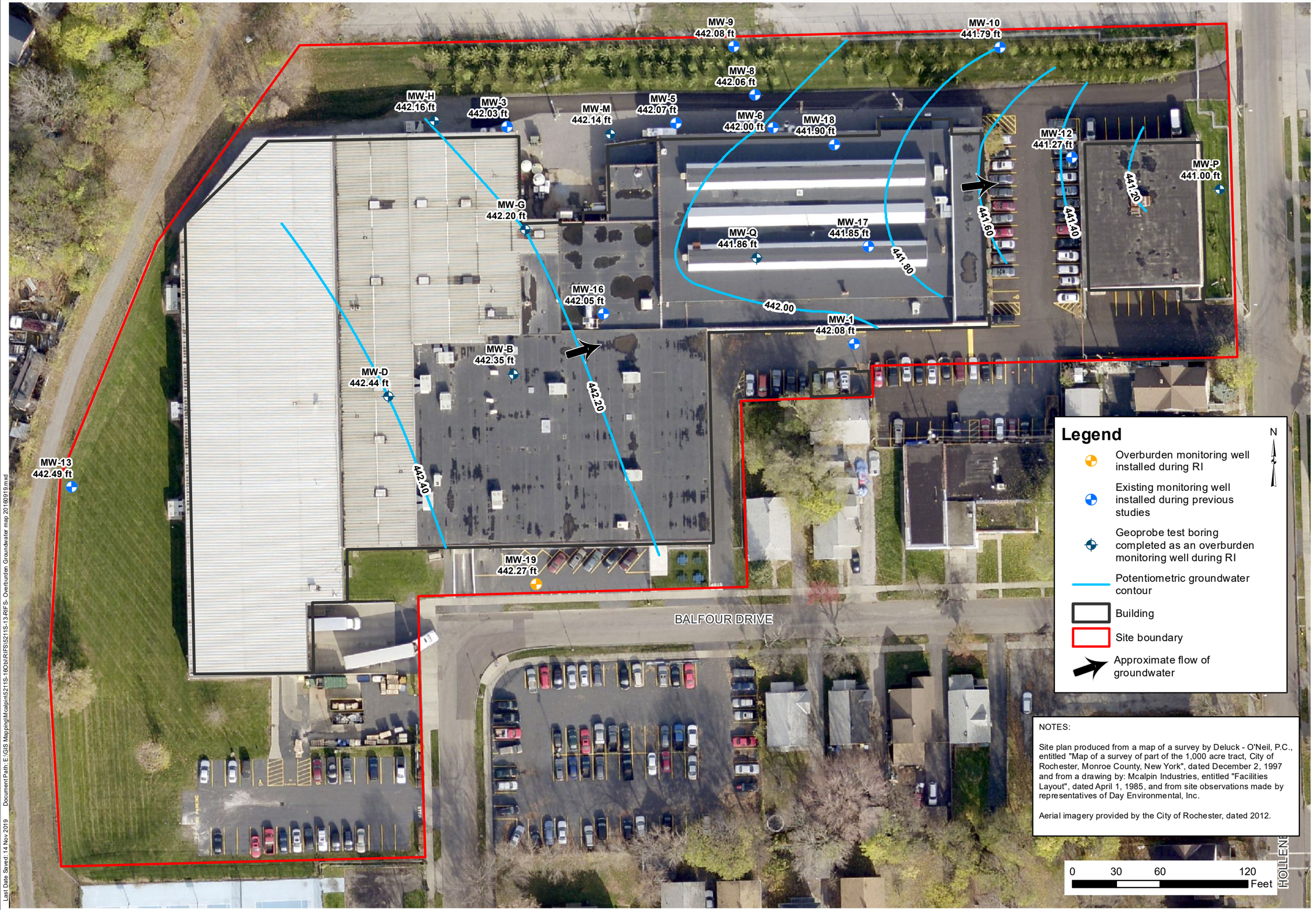
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Site Plan with Bedrock Groundwater Potentiometric Map for May 23, 2016

Project No.
5211S-16

FIGURE 11



NOTES:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

Aerial imagery provided by the City of Rochester, dated 2012.

PROJECT MANAGER	RLK	DATE	11-2019
DRAWN BY	CPS	DATE DRAWN	11-2019
SCALE	AS NOTED	DATE ISSUED	11-12-2019

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

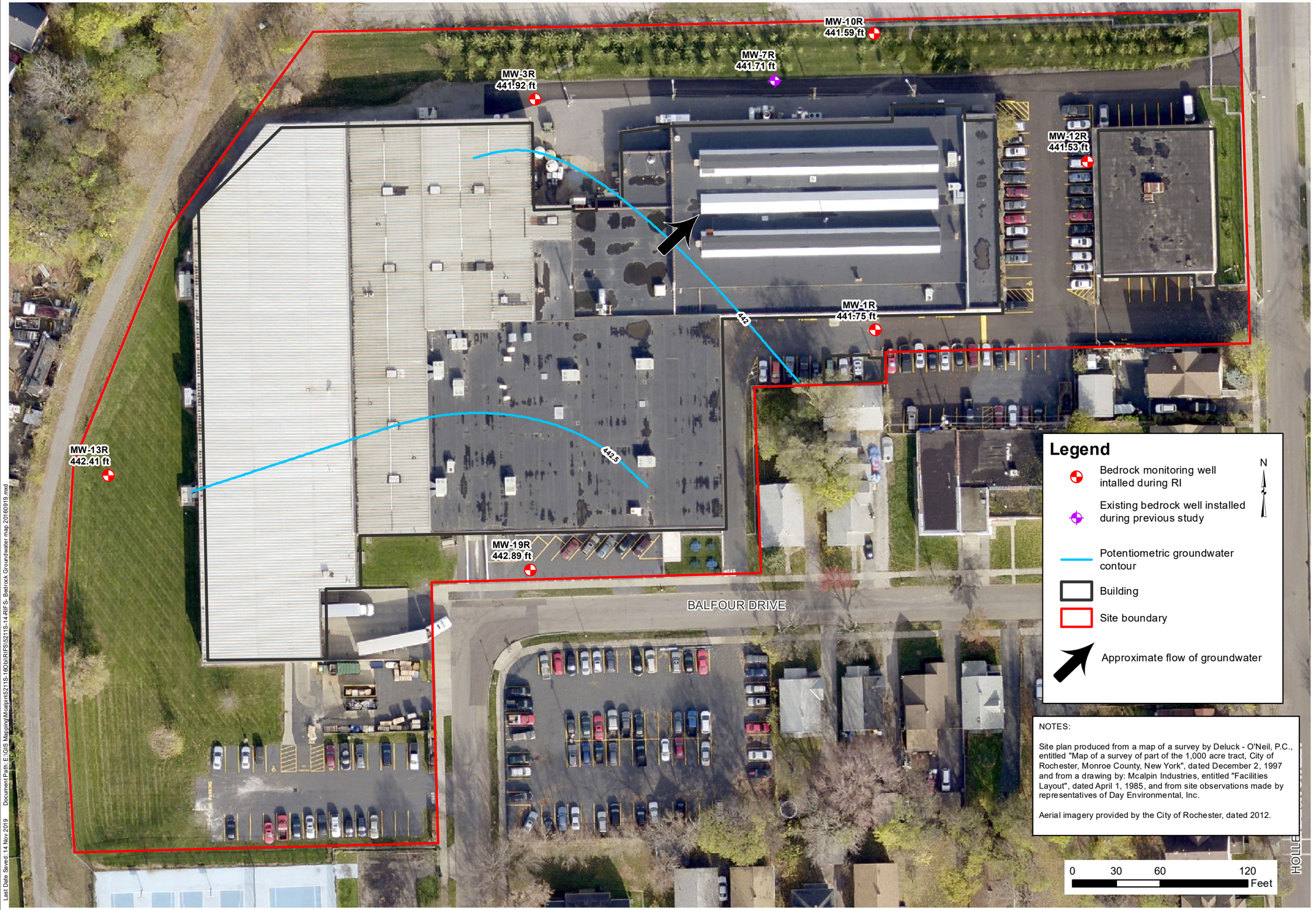
Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Site Plan with Overburden Groundwater Potentiometric Map
for September 19, 2016

Project No.
5211S-16

FIGURE 12

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Ob\RIFS\5211S-13-RIFS- Overburden Groundwater map 20160919.mxd



NOTES:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

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PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
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DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Site Plan with Bedrock Groundwater Potentiometric Map
for September 19, 2016

Project No.
5211S-16

FIGURE 13

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Bk\RI\FS\5211S-14-RIFS- Bedrock Groundwater map 20160919.mxd

PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-12-2019

day
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Site Plan with Cumulative Test Locations and Cross-Section Plan View

Project No.
5211S-16

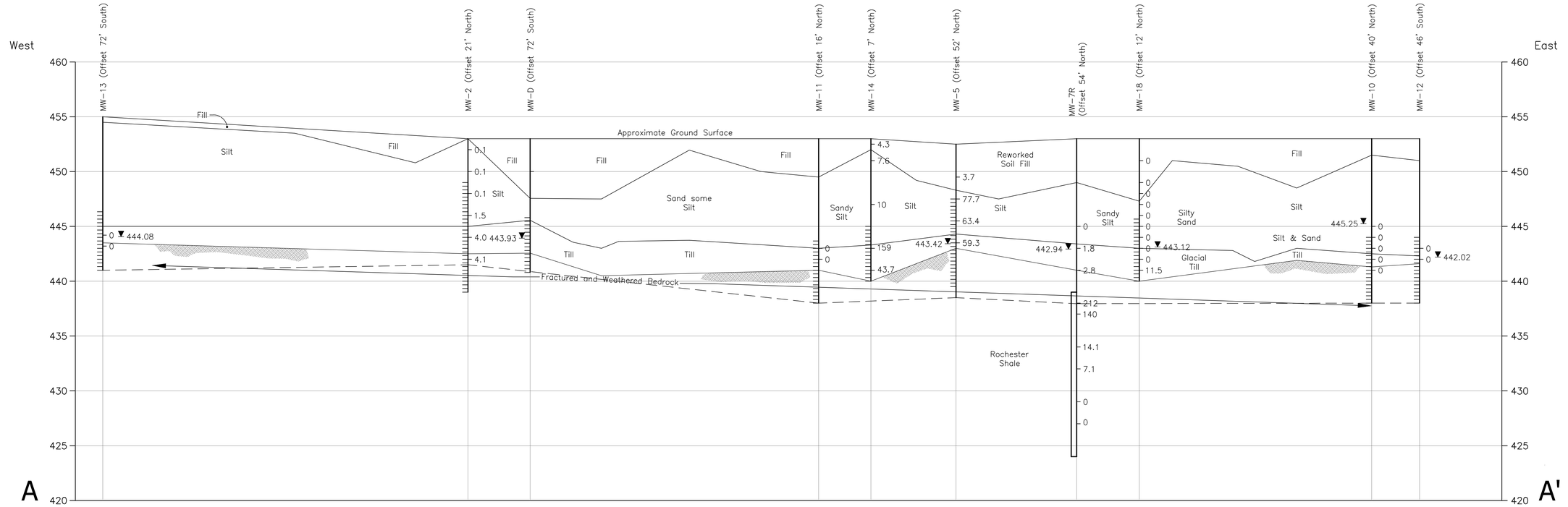
FIGURE 14A

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mxd\pln\5211S-16\Obi\RIFS\5211S-15-RIFS-Plan with CrossSectionsAABB.mxd

Legend

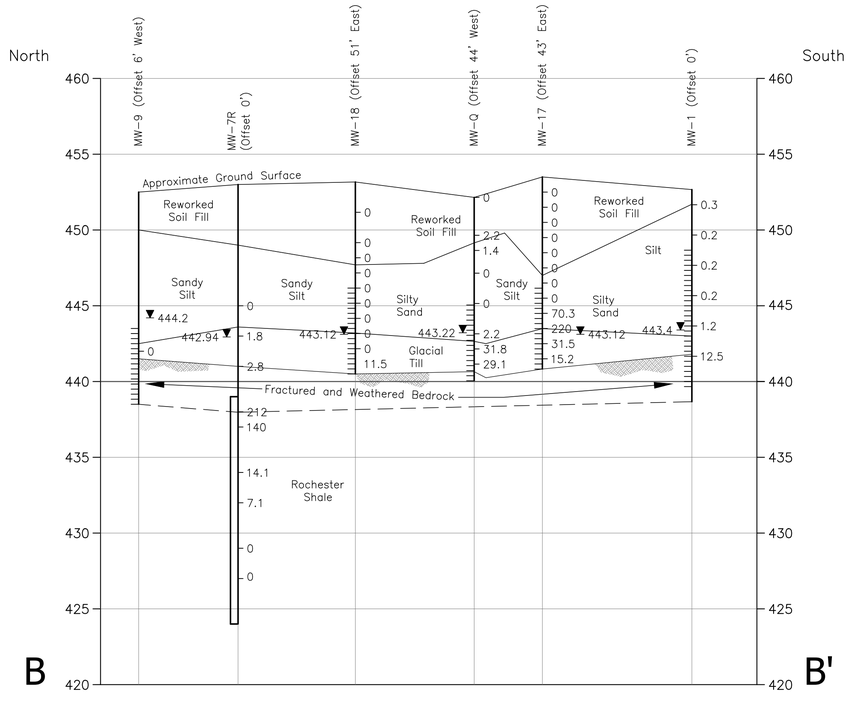
- Test pit excavatated during previous sampling study
- Test boring advanced during previous sampling studies
- Geoprobe test boring advanced during RI
- Surface soil sample location - Human Exposure Assessment conducted during RI
- Surface soil sample location - Historic Fill Evaluation conducted during RI
- Geoprobe test boring completed as an overburden monitoring well during RI
- Existing monitoring well installed during previous studies
- Existing bedrock well installed during previous study
- Bedrock monitoring well installed during RI
- Overburden monitoring well installed during RI
- Off-site monitoring well installed during previous study
- Removed/Decomissioned well
- Sub slab vapor location installed during previous study
- Floor drain
- Washroom floor drain (WRFD)
- Condensate collection pit
- Sump
- Catch Basin
- Hole
- Oil Water Separator
- Manhole (MH)
- Cleanout
- Roof drain
- Sewer line removed
- Combined sewer line
- Pipe chase
- Trench drain
- Process piping
- Electric line
- Gas line
- Building wall
- Site boundary
- TP-A Test pit

0 30 60 120 Feet



1 C-3 GEOLOGIC CROSS SECTION A–A'
1" = 30' Horizontal
1" = 5" Vertical

0' 30' 60' 90'
0' 5' 10' 15'



1 C-3 GEOLOGIC CROSS SECTION B–B'
1" = 30' Horizontal
1" = 5" Vertical

0' 30' 60' 90'
0' 5' 10' 15'

LEGEND

Groundwater Elevation Measured 5/23/2016

Screen Interval

0

4.0 — Maximum PID reading in parts per million (ppm) measured above soil sample collected during advancement of test boring

Bottom of Test Boring

Open hole within Bedrock (i.e., monitoring well intake zone)

Bottom of Test Boring

MW-2 (Offset 21' North)

Monitoring Well Designation with Offset Distance in Feet and Direction from Profile Line

NOTES:

1. Site plan produced from a map of a survey by: Denluck – O'Neil, P.C., entitled "Map of a survey of part of the 1000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: McAlpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.
2. Additional site features were added using an instrument survey map of 271 Hollenbeck Street by James Leoni, PLS, dated November 2, 1998 and a drawing by LaBella Associates entitled "Site Plan", dated April 1997. Further additions were added using GIS aerial imagery, dated 2005.
3. Locations tape measured from existing site structures and should be considered accurate to the degree implied by the method used.
4. Soil samples from the test boring for monitoring well MW-D were screened with a PID on April 4, 2016. PID readings measured at this location may have been influenced by moisture or a faulty PID meter, and are not considered a reliable indication of VOC impacts. This conclusion is supported by the analytical laboratory test results of a soil sample from the location that was collected on April 4, 2016. As such, PID readings at MW-D are not depicted on cross-section A–A'.

	DATE	BY
7		
6		
5		
4		
3		
2		
1		

REVISIONS

PROJECT MANAGER RLK — DATE 9-2016
DRAWN BY RJM/Tw — DATE DRAWN 12-7-2016
CHECKED BY RLK/DDD — DATE 12-8-2016
APPROVED BY RLK — DATE 12-9-2016
SCALE As Noted — DATE ISSUED 12-9-2016

DAY ENVIRONMENTAL, INC.
DRAWING ALTERATION
THIS DOCUMENT MAY NOT BE ALTERED WITHOUT THE WRITTEN CONSENT OF DAY ENVIRONMENTAL, INC.

day
DAY ENGINEERING, P.C.
ENVIRONMENTAL ENGINEERING CONSULTANTS
ROCHESTER NEW YORK 14608 NEW YORK, NEW YORK 10170

PROJECT TITLE
OBI, LLC SITE
245-265 & 271 HOLLENBECK STREET & 50 BALFOUR DRIVE
ROCHESTER, NEW YORK

NYSDEC SITE NO. 828188

DRAWING TITLE
Geologic Cross Section A-A' and
Geologic Cross Section B-B'

PROJECT NO.
5211S-16

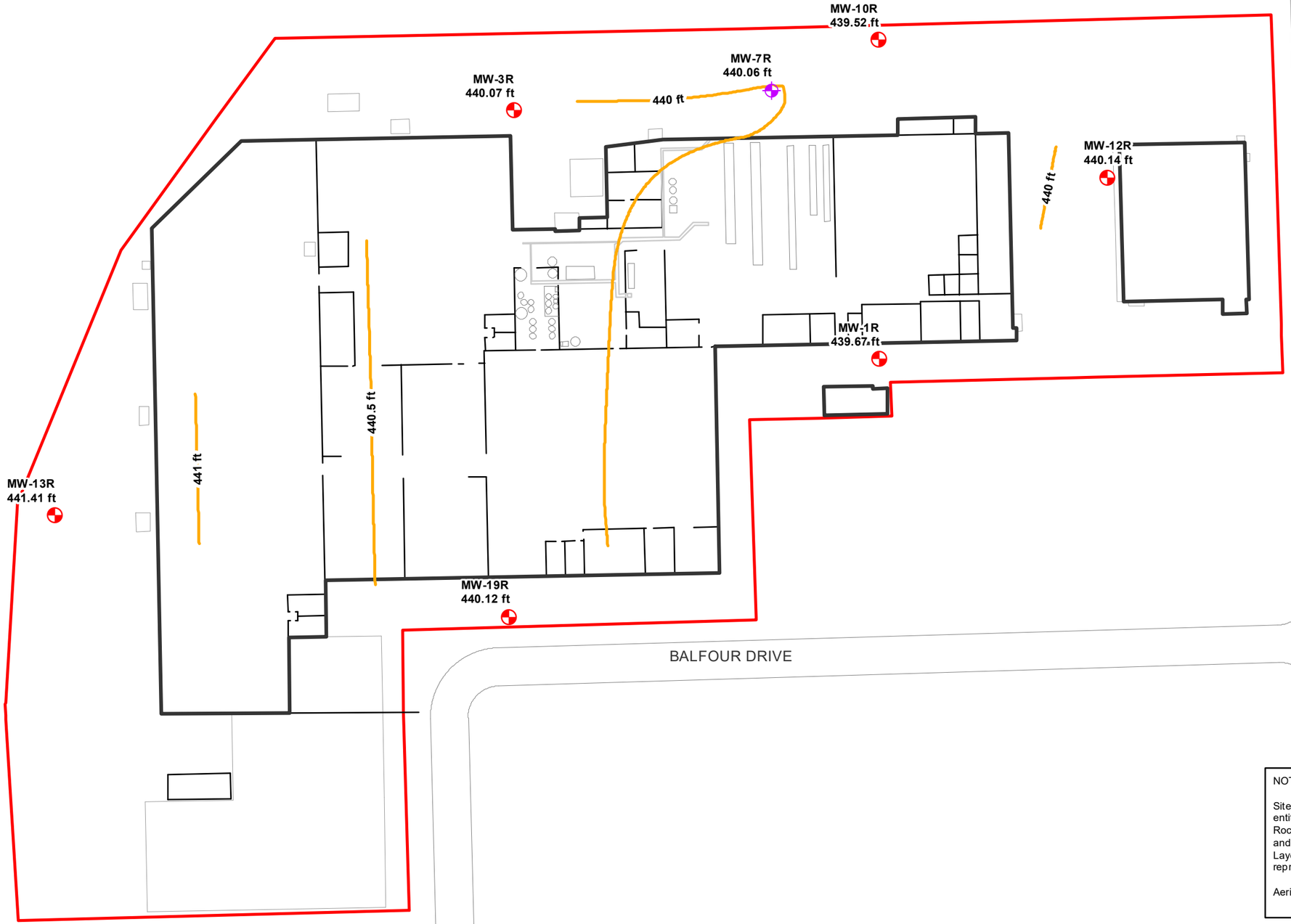
FIGURE NO.
14B

Reference Files Attached:

REF1: Geologic Section-Dec 2016
REF2:
REF3:
REF4:
REF5:
REF6:
REF7:
REF8:
REF9:
REF10:

File Name: P:\Drawings\Mxd\pl\Geologic Section-Pot 9th Dec 2016.dwg
Layout Name: Layout1
Time Plotted: Friday, December 09, 2016 9:07:53 AM
Pen Setting File: 800pdf.ulicolor.ctb

ANSI "D" (22x34)
DayEnv_AnsiD



Legend

- Bedrock monitoring well installed during RI
- Existing bedrock well installed during previous study
- Bedrock contours
- Building
- Site boundary

N

NOTES:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

Aerial imagery provided by the City of Rochester, dated 2012.

0 35 70 140 Feet

PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-12-2019

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

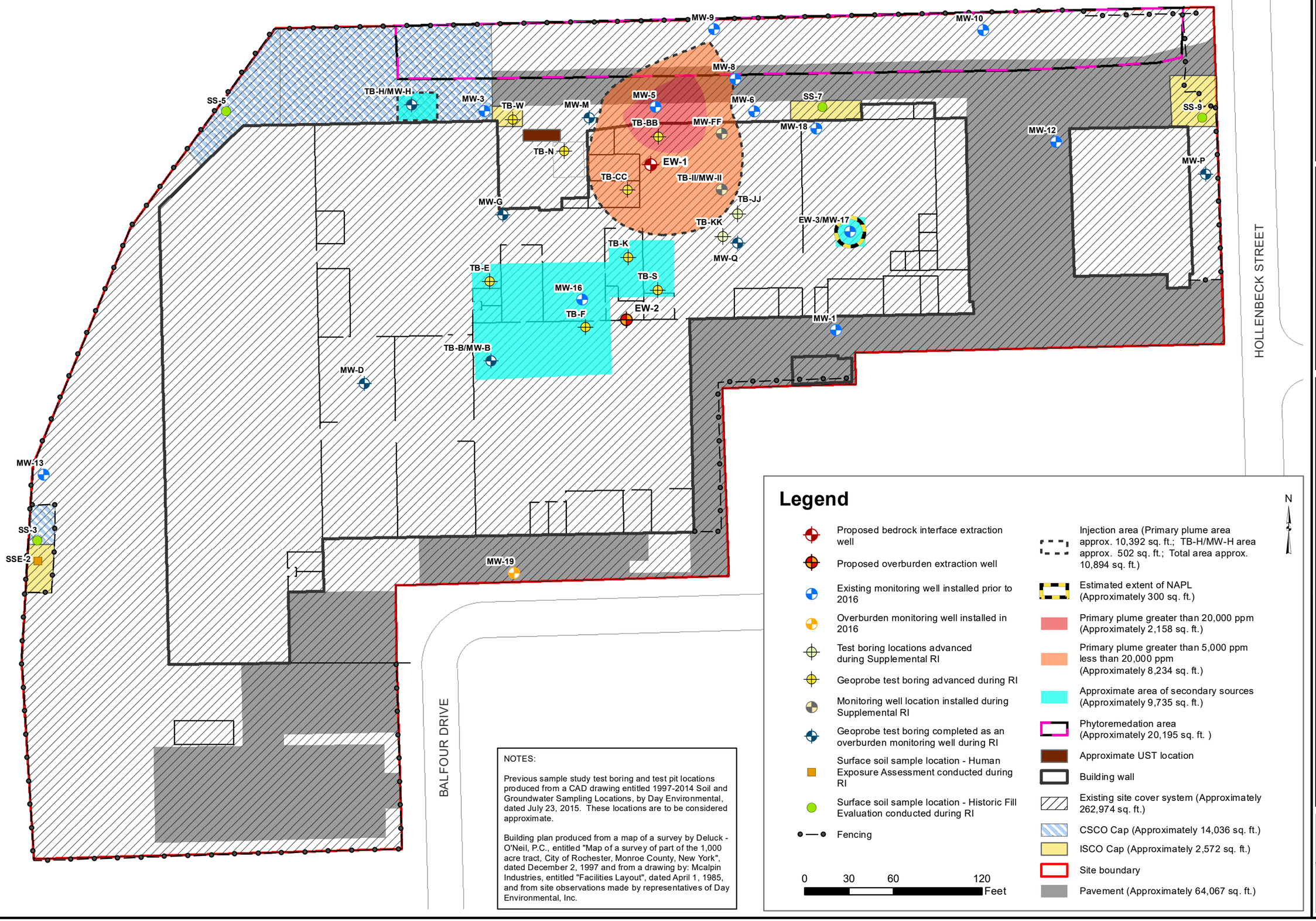
Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Bedrock Contour Map

Project No.
5211S-16

FIGURE 15

Last Date Saved: 14 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Obi\RIFS\5211S-16-RIFS- Bedrock map.mxd



Legend

- Proposed bedrock interface extraction well
- Proposed overburden extraction well
- Existing monitoring well installed prior to 2016
- Overburden monitoring well installed in 2016
- Test boring locations advanced during Supplemental RI
- Geoprobe test boring advanced during RI
- Monitoring well location installed during Supplemental RI
- Geoprobe test boring completed as an overburden monitoring well during RI
- Surface soil sample location - Human Exposure Assessment conducted during RI
- Surface soil sample location - Historic Fill Evaluation conducted during RI
- Fencing
- Injection area (Primary plume area approx. 10,392 sq. ft.; TB-H/MW-H area approx. 502 sq. ft.; Total area approx. 10,894 sq. ft.)
- Estimated extent of NAPL (Approximately 300 sq. ft.)
- Primary plume greater than 20,000 ppm (Approximately 2,158 sq. ft.)
- Primary plume greater than 5,000 ppm less than 20,000 ppm (Approximately 8,234 sq. ft.)
- Approximate area of secondary sources (Approximately 9,735 sq. ft.)
- Phytoremedation area (Approximately 20,195 sq. ft.)
- Approximate UST location
- Building wall
- Existing site cover system (Approximately 262,974 sq. ft.)
- CSCO Cap (Approximately 14,036 sq. ft.)
- ISCO Cap (Approximately 2,572 sq. ft.)
- Site boundary
- Pavement (Approximately 64,067 sq. ft.)

0 30 60 120 Feet

N

NOTES:

Previous sample study test boring and test pit locations produced from a CAD drawing entitled 1997-2014 Soil and Groundwater Sampling Locations, by Day Environmental, dated July 23, 2015. These locations are to be considered approximate.

Building plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-21-2019

day
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

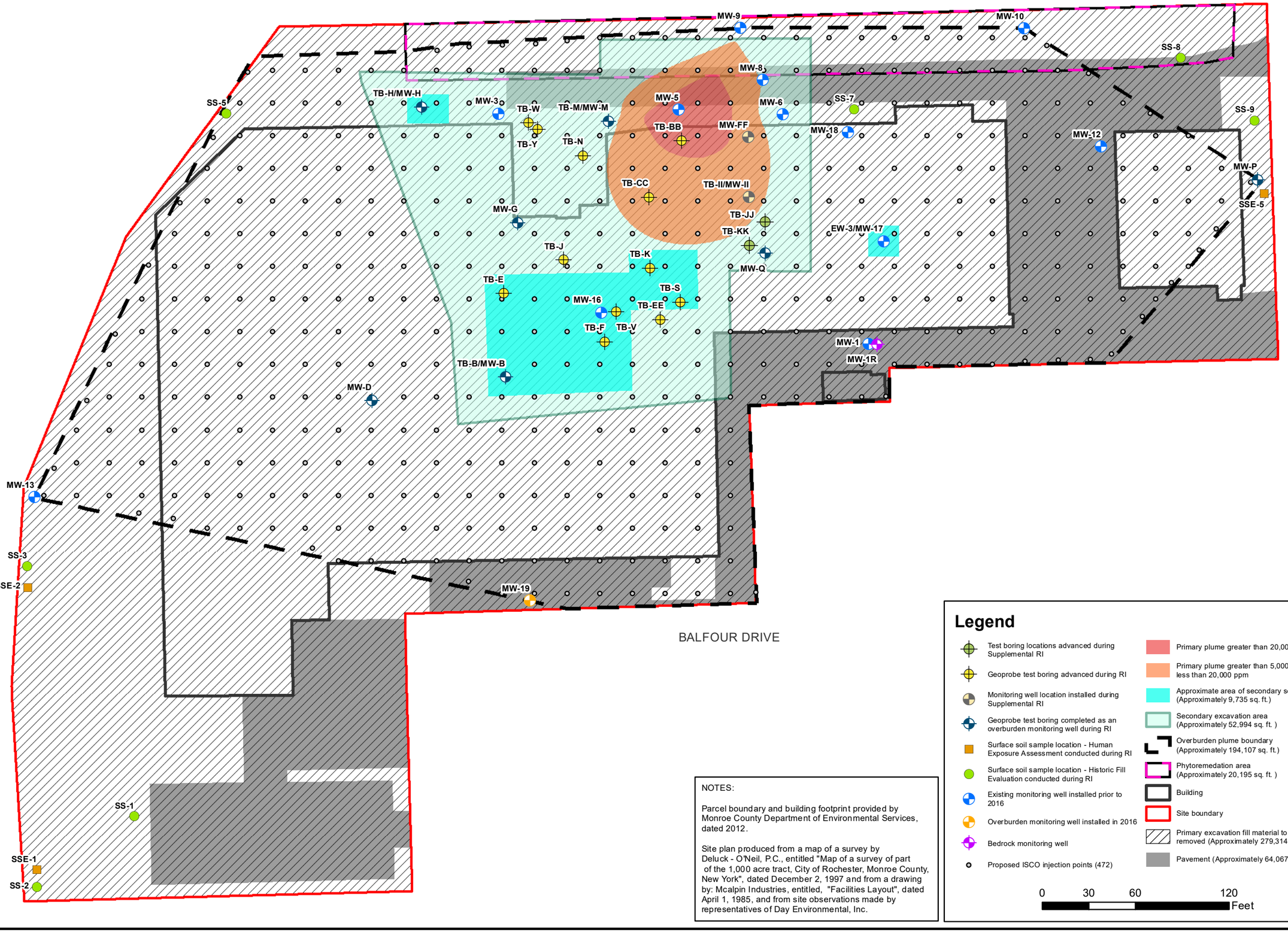
Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Components of Feasibility Study Remedial Alternatives #2 and #3

Project No.
5211S-16

FIGURE 16

Last Date Saved: 21 Nov 2019 Document Path: E:\GIS Mapping\Mxd\jan\5211S-16\Db\RIFS\5211S-17-RIFS- FS 2 and 3 Components 20191112.mxd



Legend

- Test boring locations advanced during Supplemental RI
- Geoprobe test boring advanced during RI
- Monitoring well location installed during Supplemental RI
- Geoprobe test boring completed as an overburden monitoring well during RI
- Surface soil sample location - Human Exposure Assessment conducted during RI
- Surface soil sample location - Historic Fill Evaluation conducted during RI
- Existing monitoring well installed prior to 2016
- Overburden monitoring well installed in 2016
- Bedrock monitoring well
- Proposed ISCO injection points (472)
- Primary plume greater than 20,000 ppm
- Primary plume greater than 5,000 ppm less than 20,000 ppm
- Approximate area of secondary sources (Approximately 9,735 sq. ft.)
- Secondary excavation area (Approximately 52,994 sq. ft.)
- Overburden plume boundary (Approximately 194,107 sq. ft.)
- Phytoremedation area (Approximately 20,195 sq. ft.)
- Building
- Site boundary
- Primary excavation fill material to be removed (Approximately 279,314 sq. ft.)
- Pavement (Approximately 64,067 sq. ft.)

N

0 30 60 120 Feet

NOTES:

Parcel boundary and building footprint provided by Monroe County Department of Environmental Services, dated 2012.

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled, "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-20-2019

day
DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

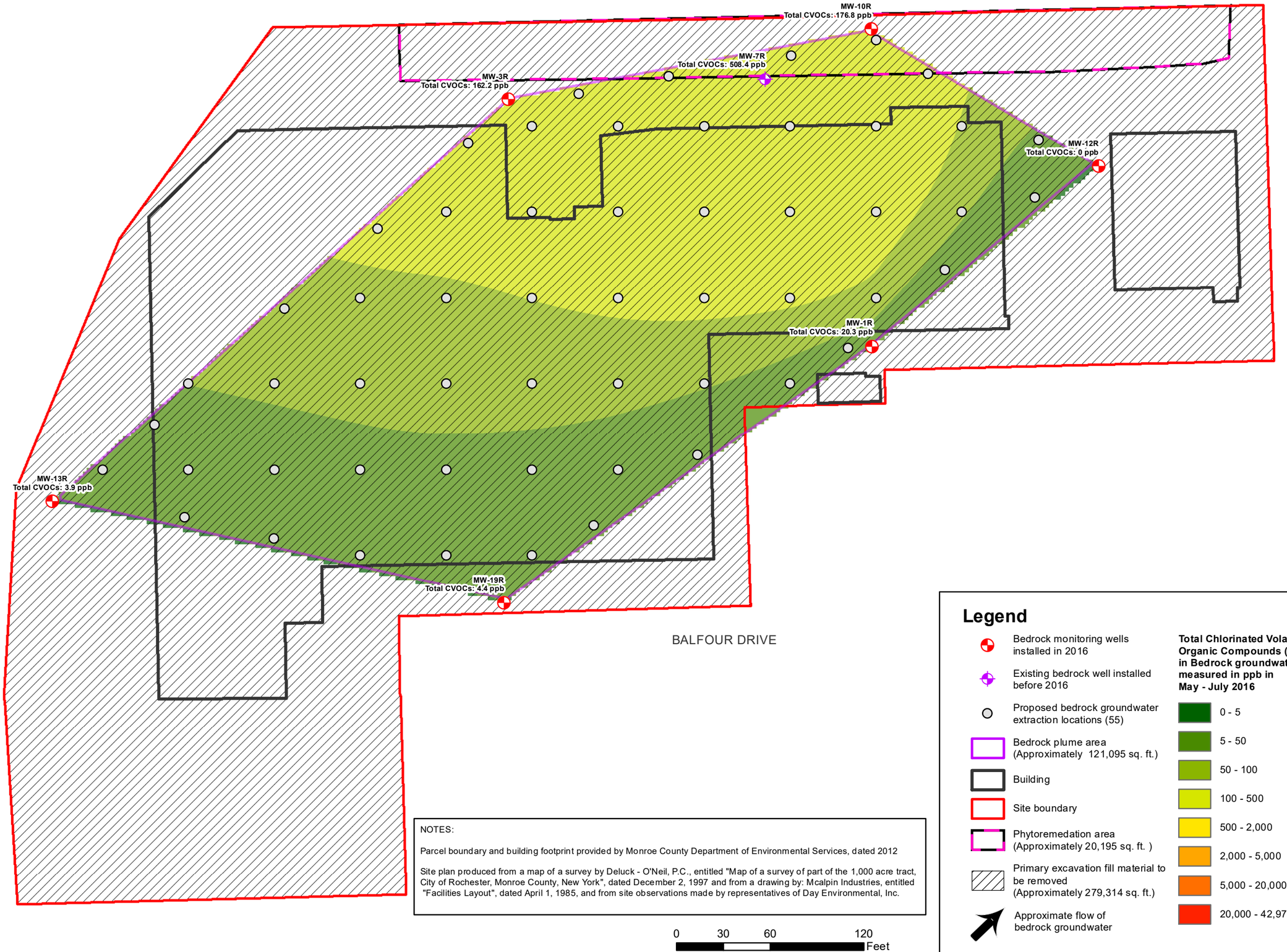
Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK
NYSDEC SITE NO. 828188

Drawing Title
Proposed Alternative #4 (SS4, S3, OBGW4, N3, SVI2)

Project No.
5211S-16

FIGURE 17

Last Date Saved: 20 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Ds\RIFS\5211S-18-RIFS- FS 3 - 20191111.mxd



Legend

- Bedrock monitoring wells installed in 2016
- Existing bedrock well installed before 2016
- Proposed bedrock groundwater extraction locations (55)
- Bedrock plume area (Approximately 121,095 sq. ft.)
- Building
- Site boundary
- Phytoremedation area (Approximately 20,195 sq. ft.)
- Primary excavation fill material to be removed (Approximately 279,314 sq. ft.)
- Approximate flow of bedrock groundwater

Total Chlorinated Volatile Organic Compounds (CVOCs) in Bedrock groundwater measured in ppb in May - July 2016

- 0 - 5
- 5 - 50
- 50 - 100
- 100 - 500
- 500 - 2,000
- 2,000 - 5,000
- 5,000 - 20,000
- 20,000 - 42,975

N

NOTES:

Parcel boundary and building footprint provided by Monroe County Department of Environmental Services, dated 2012

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

0 30 60 120 Feet

PROJECT MANAGER	RLK
DATE	11-2019
DRAWN BY	CPS
DATE DRAWN	11-2019
SCALE	AS NOTED
DATE ISSUED	11-18-2019

DAY ENGINEERING, P.C.
Environmental Engineering Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title
Proposed Alternative #4 (BRGW3): Bedrock Extraction Well Field

Project No.
5211S-16

FIGURE 18

Last Date Saved: 18 Nov 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Obi\RIFS\5211S-19- RIFS - FS3 BR Total CVOCs.mxd

TABLES

Table 1
Summary of Samples Submitted for Laboratory Analysis
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Laboratory ID	Sample ID	Date Collected	Time Collected	TPH	VOCs	SVOCs	Metals	Cyanide	PCBs	Pesticides	Purgeable Organics Method 624	SVOCs Method 625	RCRA Metals, Cu, Ni, Zn	TCLP	Notes
SC18063-02	002-SS-3 (0-1)	2/8/2016	11:20	•	•	•	•	•	•	•					
SC18063-03	003-SSE-1 (0-0.18)	2/8/2016	11:55		•	•	•	•	•	•					
SC18063-04	004-SS-2 (0-1)	2/8/2016	12:05	•											
SC18063-05	005-SS-1 (0-1)	2/8/2016	12:20	•											
SC18063-06	006-SSE-3 (0-0.18)	2/8/2016	13:12		•	•	•	•	•	•					
SC18063-07	007-SS-4 (0-1)	2/8/2016	13:19	•		•	•	•							
SC18063-08	008-SS-4 (1.2)	2/8/2016	13:30	•		•	•	•							
SC18063-09	009-SSE-4 (0-0.18)	2/8/2016	13:55		•	•	•	•							
SC18063-10	010-SSE-5 (0-0.18)	2/8/2016	14:10		•	•	•	•	•	•					
SC18063-11	011-SS-10 (0-1)	2/8/2016	14:30	•											
SC18063-12	012-MW-1R (0-1)	2/8/2016	14:47	•	•	•	•	•	•	•					
SC18063-13	013-SS-9 (0-1)	2/8/2016	15:12	•		•	•	•							
SC18063-14	014-TB-P (0-1)	2/8/2016	15:25	•											
SC18063-15	015-SS-8 (0-1)	2/8/2016	15:40	•		•	•	•							
SC18063-16	016-SS-8 (1.8)	2/8/2016	15:56			•	•	•							
SC18063-17	017-TB-H (0-1)	2/9/2016	8:57	•	•	•	•	•	•	•					MS/MSD
SC18063-18	018-MW-19 (0-1)	2/9/2016	8:55	•	•	•	•	•	•	•					
SC18063-19	019-SS-5 (0-1)	2/9/2016	10:15	•	•	•	•	•	•	•					
SC18063-20	DUP1-02-09-2016	2/9/2016	10:15	•	•	•	•	•	•	•					Duplicate of SS-5 (0-1)
SC18063-21	020-SS-6 (0-1)	2/9/2016	10:50	•											
SC18063-22	021-SS-7 (0-1)	2/9/2016	11:35	•											
SC18063-23	022-SS-7 (1-2)	2/9/2016	11:40	•	•	•	•	•							
SC18063-24	023-TP-A (0-1)	2/9/2016	13:45	•	•	•	•	•							
SC18063-25	FB-02-09-2016	2/9/2016	15:05	•	•	•	•	•							
SC18246-01	024-SSE-2 (0-0.18)	2/12/2016	10:50		•	•	•	•	•	•					
SC18246-02	FB-02-12-2016	2/12/2016	12:00						•	•					
SC19311-01	026-IDW-03-13-2016	3/16/2016	11:30								•	•	•		
SC19796-07	027-TB-Y (0.8)	3/29/2016	11:30						•						
SC19796-08	028-TB-Z (0.6)	3/29/2016	11:45						•						
SC19796-09	029-TB-X (0.8)	3/29/2016	12:00						•						
SC19796-13	030-TB-G (6-8)	3/31/2016	14:55		•	•	•	•	•	•					
SC19796-14	031-TB-U (7-9)	3/31/2016	15:30		•	•	•	•	•	•					
SC19796-16	032-TB-T (11-12)	3/31/2016	16:30		•	•	•	•	•	•					
SC19796-17	033-TB-J (6-7)	3/31/2016	17:30		•	•	•	•	•	•					
SC19796-18	034-TB-V (9.5-10.5)	3/31/2016	18:10		•	•	•	•	•	•					
SC19796-19	035-TB-K (10-11)	3/31/2016	19:45		•	•	•	•	•	•					
SC19869-01	036-DUP3 (9-11)	4/1/2016	16:15		•	•	•	•	•	•					Duplicate of TB-BB (9-11)
SC19869-03	037-TBAA (10-11)	4/1/2016	17:05		•	•	•	•	•	•					
SC19869-05	038-TB-BB (9-11)	4/1/2016	16:15		•	•	•	•	•	•					
SC19869-07	039-TB-CC (9-11.4)	4/1/2016	15:30		•	•	•	•	•	•					MS/MSD
SC19869-08	040-TB-DD (5-7)	4/1/2016	20:00		•	•	•	•	•	•					
SC19869-10	041-TB-S (6.5-7.5)	4/1/2016	17:30		•	•	•	•	•	•					
SC19869-14	042-TB-Q (10-11)	4/1/2016	19:00		•	•	•	•	•	•					
SC19901-01	043-DUP4	4/4/2016	18:30		•	•	•	•	•	•					Duplicate of TB-A (4.5-7.5)
SC19901-03	044-TB-A (4.5-7.5)	4/4/2016	18:30		•	•	•	•	•	•					
SC19901-05	045-TB-B (4-6)	4/4/2016	20:45		•	•	•	•	•	•					
SC19901-07	046-TB-C (4-6)	4/4/2016	19:10		•	•	•	•	•	•					
SC19901-11	047-TB-D (9-12)	4/4/2016	21:30		•	•	•	•	•	•					
SC19901-13	048-TB-E (5-7)	4/4/2016	20:00		•	•	•	•	•	•					
SC19901-15	049-TB-EE (1-4)	4/4/2016	15:05		•	•	•	•	•	•					
SC19901-18	050-TB-F (4-7)	4/4/2016	16:15		•	•	•	•	•	•					
SC19901-22	051-TB-L (7-9.5)	4/4/2016	17:20		•	•	•	•	•	•					
SC19901-23	052-FB-04-05-2016	4/5/2016	20:00		•	•	•	•	•	•					
SC20027-01	053-TB-H-1 (9.2-11.2)	4/6/2016	10:30		•	•	•	•	•	•					
SC20027-02	054-TB-W-1 (0-4)	4/6/2016	10:50		•	•	•	•	•	•					MS/MSD
SC20027-04	055-TB-R-1 (8-10)	4/6/2016	11:20		•	•	•	•	•	•					
SC20027-05	056-TB-M-1 (8-11.7)	4/6/2016	11:45		•	•	•	•	•	•					
SC20027-06	057-TB-N-1 (6-8.5)	4/6/2016	12:10		•	•	•	•	•	•					
SC20027-07	058-TB-O-1 (8-11.8)	4/6/2016	12:45		•	•	•	•	•	•					
SC20027-08	059-TB-I-1 (0-4)	4/6/2016	13:10		•	•	•	•	•	•					
SC20027-10	060-TB-P-1 (8-11.8)	4/6/2016	14:00		•	•	•	•	•	•					
SC20027-11	061-FB-04-06-2016	4/6/2016	12:30		•	•	•	•	•	•					
SC21797-01	062-MW-7R	5/23/2016	16:26		•	•	•	•	•	•					MS/MSD
SC21797-02	063-MW-8	5/23/2016	16:25		•	•	•	•	•	•					
SC21797-03	064-MW-13R	5/24/2016	12:30		•	•	•	•	•	•					
SC21797-04	065-MW-13	5/24/2016	13:00		•	•	•	•	•	•					
SC21797-05	066-MW-19	5/24/2016	16:00		•	•	•	•	•	•					
SC21797-06	067-MW-19R	5/24/2016	16:40		•	•	•	•	•	•					
SC21908-01	068-MW-12R	5/25/2016	12:00		•	•	•	•	•	•					
SC21908-02	069-MW-12	5/25/2016	12:10		•	•	•	•	•	•					
SC21908-03	070-MW-10R	5/25/2016	13:30		•	•	•	•	•	•					
SC21908-04	071-MW-10	5/25/2016	14:40		•	•	•	•	•	•					
SC21908-05	072-MW-3R	5/26/2016	8:55		•	•	•	•	•	•					
SC21908-06	073-DUP5	5/26/2016	8:55		•	•	•	•	•	•					Duplicate of 072-MW-3R
SC21908-07	074-MW-H	5/26/2016	10:55		•										
SC21908-08	075-MW-3	5/26/2016	11:00		•	•	•	•	•	•					
SC21908-09	076-MW-M	5/26/2016	13:00		•	•	•	•	•	•					
SC21908-10	077-MW-5	5/26/2016	14:15		•	•	•	•	•	•					
SC21908-11	078-MW-G	5/26/2016	16:05		•	•	•	•	•	•					
SC21908-12	079-FB-05-26-16	5/26/2016	16:00		•	•	•	•	•	•					
SC21908-13	080-TB-05-27-16	5/27/2016	-		•										
SC21907-01	081-MW-P	5/27/2016	11:30		•	•	•	•	•	•					MS/MSD
SC21907-02	082-MW-6	5/27/2016	9:50		•	•	•	•	•	•					
SC21907-03	083-MW-1R	5/27/2016	12:55		•	•	•	•	•	•					
SC21907-04	084-MW-1	5/27/2016	13:00		•	•	•	•	•	•					
SC21907-05	085-TB-05-27-16	5/27/2016	-		•										
SC22010-01	086-DUP6	5/31/2016	11:20		•	•	•	•	•	•					Duplicate of 090-MW-18
SC22010-02	087-MW-Q	5/31/2016	11:30		•	•	•	•	•	•					
SC22010-03	088-MW-D	5/31/2016	14:40		•	•	•	•	•	•					
SC22010-04	089-MW-16	5/31/2016	15:00		•	•	•	•	•	•					
SC22010-05	090-MW-18	5/31/2016	11:20		•	•	•	•	•	•					
SC22010-06	091-TB-06-01-16	6/1/2016	-		•										
SC22167-01	092-MW-B	6/1/2016	10:55		•	•	•	•	•	•					
SC22167-02	093-SUMP-1	6/1/2016	10:35		•										
SC22167-03	094-SUMP-2	6/1/2016	10:40		•										
SC22167-04	095-MW-17	6/1/2016	12:45		•	•	•	•	•	•					
SC22167-05	096-FB-06-01-16	6/1/2016	14:45		•	•	•	•	•	•					
SC22167-06	097-TB-06-03-16	6/3/2016	-		•										
SC23258-01	098-IDW-6-29-16	6/29/2016	9:20						•					•	
SC23258-02	099-IDW-06-29-16	6/29/2016	9:25								•		•		
SC23258-03	100-MW-17 (LNAPL)	6/29/2016	9:55		•										
SC23258-05	100-MW-17	6/29/2016	9:55	•											
SC23258-04	101-TB-7-1-16	7/1/2016	-		•						•				
SC23772-01	102-MW-9	7/13/2016	11:00		•	•	•	•	•	•					
SC23772-02	103-TB-7-15-16	7/15/2016	-		•										
SC24150-01	104-SS-7 (0-1)	7/26/2016	14:15		•	•	•	•	•	•					
SC27203-01	105-MW-1	10/12/2016	12:50		•										
SC27203-02	106-MW-3	10/12/2016	11:35		•										
SC27203-03	107-MW-5	10/12/2016	11:00		•										
SC27203-04	108-MW-6	10/12/2016	10:50		•										
SC27203-05	109-MW-8	10/12/2016	10:30		•										
SC27203-06	110-MW-9	10/12/2016	10:10		•										
SC27203-07	111-MW-10	10/12/2016	9:25		•										
SC27203-08	112-MW-12	10/12/2016	9:15		•										
SC27203-09	113-MW-16	10/12/2016	10:25		•										
SC27203-10	114-MW-18	10/12/2016	10:10		•										
SC27203-11	115-MW-19	10/12/2016	13:20		•										
SC27203-12	116-MW-B	10/12/2016	13:50		•										
SC27203-13	117-MW-D	10/12/2016	13:55		•										
SC27203-14	118-MW-G	10/12/2016	13:35		•										
SC27203-15	119-MW-H	10/12/2016	11:45		•										
SC27203-16	120-MW-M	10/12/2016	11:15		•										
SC27203-17	121-MW-P	10/12/2016	9:05		•										
SC27203-18	122-MW-1R	10/12/2016	12:35		•										
SC27203-19	123-MW-3R	10/12/2016	11:25		•										
SC27203-20	124-MW-7R	10/12/2016	10:20		•										
SC27203-21	125-MW-10R	10/12/2016	9:50		•										
SC27203-22	126-MW-12R	10/12/2016	9:40		•										
SC27203-23	127-MW-13R	10/12/2016	12:10		•										MS/MSD
SC27203-24	128-MW-19R	10/12/2016	13:10		•										
SC27203-25	129-DUP7	10/12/2016	13:10		•										Duplicate of MW-19R
SC27203-26	130-MW-Q	10/12/2016	10:45		•	•	•	•							MS/MSD
SC27203-27	131-DUP8	10/12/2016	10:45		•	•	•	•							Duplicate of MW-Q
SC27203-28	132-MW-17	10/12/2013	12:55		•	•									
SC27203-29	133-FB-10-13-2016	10/13/2016	11:05		•	•	•	•							
SC27203-30	134-TB-10-14-2016	10/14/2016	-		•	•									
SC33341-01	135-TB-GG (10-12)	4/5/2017	9:35		•										MS/MSD
SC33341-02	136-TB-II (11-12.7)	4/5/2017	10:35		•										
SC33341-03	137-DUP-4/5/17	4/5/2017	10:35		•										Duplicate of TB-II (11-12.7)
SC33341-04	138-TB-KK (10-12)	4/5/2017	11:00		•										
SC33341-05	139-TB-JJ (11-11.7)	4/5/2017	11:20		•										
SC33341-06	140-FB-4/5/17	4/5/2017	15:30		•										Rinsate blank
SC33341-07	141-TB-FF (10-12)	4/5/2017	14:10		•										
SC33341-08	142-TB-HH (11.5-12.5)	4/5/2017	14:55		•										
SC33976-01	143-MW-FF	4/24/2017	10:15		•		•	•							MS/MSD
SC33976-02	144-DUP9	4/24/2017	10:15		•		•	•							Duplicate of MW-FF
SC33976-03	145-MW-II	4/24/2017	12:15		•		•	•							
SC33976-04	146-MW-Q	4/24/2017	13:40		•		•	•							
SC33976-05	147-MW-5	4/24/2017	14:15		•		•								
SC33976-06	148-MW-6	4/24/2017	14:25		•		•								
SC33976-07	149-MW-8	4/24/2017	14:35		•		•								
SC33976-08	150-MW-18	4/24/2017	14:50		•		•								
SC33976-09	151-FB-4-24-17	4/24/2017	16:00		•		•								Field Blank
SC33976-10	152-TB-4-24-17	4/24/2017	-		•		•								Trip Blank

Notes:
SS = Shallow Soil Sample
SSE = Shallow Soil Sample collected for Health Exposure Assessment
TB = Test Boring
FB = Field Blank (i.e., rinsate)
MS/MSD = Matrix Spike/Matrix Spike Duplicate
TPH = Total Petroleum Hydrocarbons
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
TCLP = Toxicity Characteristic Leaching Procedure
Sample 001-SSE-2 (0-0.18) was collected on 2/8/2016; however, was beyond hold time upon submission to the laboratory. Sample 024-SSE-2 (0-0.18) was collected on 2/12/2016
Sample number '025' was missed in the sequential ordering system. Sample FB-02-12-2016 should be considered as sample number 025

Table 2
Drilling Water Loss and Water Recovery During Well Development
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Well ID	Water Loss (gallons)		Water Recovery (gallons)
	Coring	Reaming	
MW-12R	50	<10	124
MW-10R	100	150	320
MW-3R	250	100	470
MW-19R	150	200	425
MW-13R	25	150	240
MW-1R	130	150	350
MW-B	-	-	2.03
MW-D	-	-	2.15
MW-G	-	-	3.00
MW-M	-	-	2.23
MW-P	-	-	1.55
MW-Q	-	-	2.88
MW-19R	-	-	21.00
MW-H*	-	-	0.16*
MW-FF	~1	-	15.0
MW-II	-	-	4.0

Notes:
*Recovery at MW-H was limited. Well was pumped dry

Table 3
Static Water Levels and Calculated Groundwater Elevations
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Well ID	Top of Casing Elevation (TOC) (ft. amsl)	Ground Elevation (ft. amsl)	Well Depth (ft.)	Lower Elevation of Screened Interval (ft. amsl)	Upper Elevation of Screened Interval (ft. amsl)	Well Location Northing	Well Location Easting	5/23/2016[1] Depth to Water (ft. below TOC)	5/23/2016[1] Groundwater Elevation (ft. amsl)	9/19/2016 Depth to Water (ft.)	9/19/2016 Groundwater Elevation (ft. amsl)	4/10/2017 Depth to Water (ft.)	4/10/2017 Groundwater Elevation (ft. amsl)
MW-1	451.03	451.17	13.0	438.17	447.17	1161259.53	1405937.46	7.63	443.4	8.95	442.08	NM	NM
MW 3	451.23	451.57	13.0	438.51	446.51	1161407.76	1405699.75	7.78	443.45	9.20	442.03	NM	NM
MW 5	451.11	451.51	13.4	438.11	446.11	1161410.33	1405815.57	7.69	443.42	9.04	442.07	3.95	447.16
MW-6	454.1	452.24	16.0	436.24	446.24	1161412.52	1405872.83	10.91	443.19	12.10	442.00	8.31	445.79
MW 8	451.88	452.04	14.0	438.04	443.04	1161429.32	1405869.50	8.57	443.31	9.82	442.06	5.95	445.93
MW 9	452.05	451.19	14.0	437.19	442.19	1161462.73	1405855.02	8.73	443.32	9.97	442.08	NM	NM
MW-10	452.87	452.23	14.0	438.23	443.23	1161462.33	1406037.20	10.00	442.87	11.08	441.79	NM	NM
MW-12	451.99	452.58	14.0	438.58	443.58	1161386.73	1406086.38	9.97	442.02	10.72	441.27	NM	NM
MW 13	456.58	454.30	13.50	440.80	445.80	1161161.45	1405401.80	12.5	444.08	14.09	442.49	NM	NM
MW-16	451.52	451.99	11.3	440.69	444.69	1161279.98	1405765.80	7.85	443.67	9.47	442.05	NM	NM
MW-17	451.76	452.13	12.46	439.69	444.67	1161320.73	1405960.89	8.64	443.12	9.91	441.85	NM	NM
MW-18	451.9	452.14	12.1	440.04	445.04	1161395.70	1405924.10	8.78	443.12	10.00	441.90	6.32	445.58
MW-19	451.12	451.62	10.5	441.12	446.12	1161095.07	1405719.80	7.3	443.82	8.85	442.27	NM	NM
MW-B	451.74	452.04	11.35	440.69	445.74	1161238.28	1405704.28	7.91	443.83	9.39	442.35	NM	NM
MW-D	451.86	452.06	12.2	439.86	444.86	1161222.99	1405618.70	7.93	443.93	9.42	442.44	NM	NM
MW-G	451.74	451.99	15.0	436.99	446.99	1161337.15	1405712.35	8.08	443.66	9.54	442.20	NM	NM
MW-H	450.72	451.20	11.50	439.70	444.70	1161411.66	1405650.47	7.11	443.61	8.56	442.16	NM	NM
MW-M	451.02	451.30	12.50	438.80	443.80	1161402.64	1405770.56	7.51	443.51	8.88	442.14	NM	NM
MW-P	452.33	452.47	13.8	438.67	443.67	1161364.81	1406187.34	10.79	441.54	11.33	441.00	NM	NM
MW-Q	451.75	452.15	12.2	439.95	444.95	1161317.81	1405870.91	8.53	443.22	9.89	441.86	6.00	445.75
MW-1R	450.57	451.17	28.5	422.67	437.67	1161259.37	1405942.93	7.53	443.04	8.82	441.75	NM	NM
MW-3R	451.07	451.57	28.5	423.07	438.07	1161417.48	1405710.15	7.8	443.27	9.15	441.92	NM	NM
MW 7R	451.46	452.06	29.0	423.06	438.06	1161429.84	1405874.24	8.52	442.94	9.75	441.71	NM	NM
MW-10R	453.07	451.52	29.0	422.52	437.52	1161462.32	1405942.16	10.26	442.81	11.48	441.59	NM	NM
MW-12R	451.94	452.64	29.5	423.14	438.14	1161374.88	1406087.97	9.25	442.69	10.41	441.53	NM	NM
MW-13R	455.66	453.91	29.5	424.41	439.41	1161160.08	1405418.17	11.72	443.94	13.25	442.41	NM	NM
MW-19R	451.44	451.62	28.5	423.12	438.12	1161095.30	1405707.06	7.01	444.43	8.55	442.89	NM	NM
MW-FF	451.48	451.99	12.3	439.69	444.69	NM	NM	NM	NM	NM	NM	5.63	445.85
MW-II	452.05	452.11	12.6	439.51	449.51	NM	NM	NM	NM	NM	NM	6.16	445.89

Notes:

[1]Depth to water measurements collected on 5/23/2016 with the exception of MW-6 (collected 5/24/2016) and MW-16 (collected 5/31/2016)
Monitoring Wells containing an "R" at the end of the ID (i.e., MW-10R) are bedrock groundwater monitoring wells
ft. = feet
NM = Not Measured

Table 4

Summary of Hydraulic Conductivity Results
245-265 and 271 Hollenbeck Street and 50 Balfour Drive
Rochester, NY
NYSDEC Site #828188

June 29, 2016

Monitoring Well Location	**MW-1**	**MW-8**	**MW-1R**	**MW-7R**
Type of Well	Overburden	Overburden	Bedrock	Bedrock
Hydraulic Conductivity (Slug-In) cm/sec	2.72×10^{-2}	1.02×10^{-3}	1.17×10^{-4}	4.76×10^{-4}
Hydraulic Conductivity (Slug-Out) cm/sec	1.72×10^{-2}	8.47×10^{-4}	1.20×10^{-4}	1.36×10^{-4}
Hydraulic Conductivity (Average) cm/sec	**2.22×10^{-2}**	**9.34×10^{-4}**	**1.19×10^{-4}**	**3.06×10^{-4}**

Table 5
Summary of Detected Constituents – Sump Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID			Sample ID		
		Sample Date			Sample Date		
		Sample Time			Sample Time		
		093-SUMP-1			094-SUMP-2		
		6/1/2016			6/1/2016		
		10:35			10:40		
Acetone	50	355	D, GS1, J+	X	18.4	R03, J	
Benzene	1	4		X	ND		
Bromodichloromethane	NS	ND			2.1		
2-Butanone (MEK)	50	105	D	X	1.3	J	
n-Butylbenzene	5	ND			ND		
sec-Butylbenzene	5	ND			ND		
tert-Butylbenzene	5	1			ND		
Carbon disulfide	60	ND			ND		
Chlorobenzene	5	2.4			ND		
Chloroethane	5	ND			ND		
Chloroform	7	ND			14.6		X
Chloromethane	NS	ND			0.4	J	
2-Chlorotoluene	5	ND			0.3	J	
Dibromochloromethane	50	ND			0.8		
1,4-Dichlorobenzene	3	ND			ND		
1,1-Dichloroethane	5	ND			ND		
1,1-Dichloroethene	0.07	ND			ND		
cis-1,2-Dichloroethene	5	ND			ND		
trans-1,2-Dichloroethene	5	ND			ND		
Ethylbenzene	5	ND			ND		
2-Hexanone (MBK)	50	169	D	X	ND		
Isopropylbenzene	5	ND			ND		
4-Isopropyltoluene	5	ND			ND		
Naphthalene	10	0.5	J		0.5	J	
n-Propylbenzene	5	ND			ND		
Tetrachloroethene	5	ND			ND		
Toluene	5	ND			ND		
Trichloroethene	5	ND			ND		
1,2,4-Trimethylbenzene	5	ND			ND		
1,3,5-Trimethylbenzene	5	ND			ND		
Vinyl chloride	2	ND			ND		
m,p-Xylene	5	ND			ND		
o-Xylene	5	ND			ND		
Tetrahydrofuran	NS	ND			1.4	J	
Tert-Butanol / butyl alcohol	NS	14.8			ND		
Total Xylenes	NS	ND			ND		
Methyl acetate	NS	ND			ND		
Methylcyclohexane	NS	ND			ND		
Ethanol	NS	1650	D, GS1, J+		24	J	
Total VOCs	NS	2301.7			63.8		
TICs							
Total TICs	NS	41			0		
Total VOCs and TICs	NS	2342.7			63.8		

Notes

Concentration in µg/L or parts per billion (ppb)

TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

NS = No Standard Available

VOCs = Volatile Organic Compounds

X = Exceeds Groundwater Standard of Guidance Value

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

+ = Estimated concentration is biased high

D = Data reported from a dilution

GS1 = Sample dilution required for high concentration of target analytes to be within the instrument calibration range

ND = Not detected above method detection limit

Table 6
Summary of Detected TPH - Surface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	Sample ID																							
	Sample Date																							
	Sample Time																							
	002-SS-3 (0-1)			004-SS-2 (0-1)			005-SS-1 (0-1)			007-SS-4 (0-1)			008-SS-4 (1.2)			011-SS-10 (0-1)			012-MW-1R (0-1)			013-SS-9 (0-1)			014-TB-P (0-1)		
	2/8/2016			2/8/2016			2/8/2016			2/8/2016			2/8/2016			2/8/2016			2/8/2016			2/8/2016			2/8/2016		
	11:20			12:05			12:20			13:19			13:30			14:30			14:47			15:12			15:25		
Unidentified TPH	1040	J		91.4			80.6			ND			ND			56.0	J		5760	J		138	J		38.9		
TPH	1040	J		91.4			80.6			21.5	J		16.6	J		56.0	J		5760	J		138	J		38.9		

Compound	Sample ID																							
	Sample Date																							
	Sample Time																							
	015-SS-8 (0-1)			017-TB-H (0-1)			018-MW-19 (0-1)			019-SS-5 (0-1)			DUP1-02-09-2016			020-SS-6 (0-1)			021-SS-7 (0-1)			022-SS-7 (1-2)			023-TP-A (0-1)		
	2/8/2016			2/9/2016			2/9/2016			2/9/2016			2/9/2016			2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	15:40			8:57			8:55			10:15			10:15			10:50			11:35			11:40			13:45		
Unidentified TPH	219	D		125			1830	D		100			212			69.3			207	J		1450	J		97.1		
TPH	219	D		125			1830	D		100			212			69.3			207	J		1450	J		97.1		

Notes:
Concentration in mg/kg or parts per million (ppm)
TPH = Total Petroleum Hydrocarbons
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
D = Data reported from a dilution

Table 7
Summary of Detected TPH - Groundwater Sample
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	Sample ID		
	Sample Date		
	Sample Time		
	100-MW-17		
	6/29/2016		
	9:55		
Fuel Oil #2	229	D	
TPH	229	D	

Notes:
Concentration in mg/L or parts per million (ppm)
TPH = Total Petroleum Hydrocarbons
D = Data reported from a dilution

Table 8
Summary of Detected VOCs - Surface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						002-SS-3 (0-1)	2/8/2016	11:20
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	ND		
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						003-SSE-1 (0-0.18)	2/8/2016	11:55
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	0.235	J	
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0.235		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0.235		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						006-SSE-3 (0-0.18)	2/8/2016	13:12
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	1.44	J	
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	1.44		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	1.44		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						009-SSE-4 (0-0.18)	2/8/2016	13:55
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	3.23		
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	3.23		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	3.23		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						010-SSE-5 (0-0.18)	2/8/2016	14:10
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	0.312	J	
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0.312		
TICs								
Total TICs	NS	NS	NS	NS	NS	0.0092		
Total VOCs & TICs	NS	NS	NS	NS	NS	0.3212		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						012-MW-1R (0-1)	2/8/2016	14:47
Acetone	0.05	0.05	500	1000	NS	0.017	J	
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	0.0015	J	
Cyclohexane	NS	NS	NS	NS	NS	0.0028	J	
Ethanol	NS	NS	NS	NS	NS	ND		
Methylcyclohexane	NS	NS	NS	NS	NS	0.0059	J	
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0.0272		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0.0272		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						017-TB-H (0-1)	2/9/2016	8:57
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	ND		
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	0.0544	O01,JD	AB
Trichloroethene	0.47	0.47	200	400	NS	0.826	D	AB
Total VOCs	NS	NS	NS	NS	NS	0.8804		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0.8804		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						018-MW-19 (0-1)	2/9/2016	8:55
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	ND		
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						019-SS-5 (0-1)	2/9/2016	10:15
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	ND		
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						DUP1-02-09-2016	2/9/2016	10:15
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	ND		
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						022-SS-7 (1-2)	2/9/2016	11:40
Acetone	0.05	0.05	500	1000	NS	0.201		AB
2-Butanone (MEK)	0.12	0.12	500	1000	NS	0.0292	J	
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	ND		
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0.2302		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0.2302		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						023-TP-A (0-1)	2/9/2016	13:45
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	ND		
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						024-SSE-2 (0-0.18)	2/12/2016	10:50
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND	J	
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	ND		
Methylcyclohexane	NS	NS	NS	NS	NS	ND	J	
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0		

Compound	USCOs	GWSCOs	CSCOs	ISCOs	CP-51	Sample ID	Date	Time
						104-SS-7 (0-1)	7/26/2016	14:15
Acetone	0.05	0.05	500	1000	NS	ND		
2-Butanone (MEK)	0.12	0.12	500	1000	NS	ND		
Carbon disulfide	NS	NS	NS	NS	NS	ND		
Cyclohexane	NS	NS	NS	NS	NS	ND		
Ethanol	NS	NS	NS	NS	NS	ND		
Methylcyclohexane	NS	NS	NS	NS	NS	ND		
Methylene chloride	0.05	0.05	500	1000	NS	ND		
Trichloroethene	0.47	0.47	200	400	NS	ND		
Total VOCs	NS	NS	NS	NS	NS	0		
TICs								
Total TICs	NS	NS	NS	NS	NS	ND		
Total VOCs & TICs	NS	NS	NS	NS	NS	0		

Notes:
Concentration in mg/kg or parts per million (ppm)
USCOs = Unrestricted Soil Cleanup Objectives
GWSCOs = Protection of Groundwater Soil Cleanup Objectives
ISCOs = Restricted Industrial Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
CP-51 = Soil Cleanup Levels (SCLs) as referenced in NYSDEC Final Commissioner Policy CP-51, dated October 21, 2010
VOCs = Volatile Organic Compounds
TICs = Tentatively Identified Compounds
NS = No Standard Available

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
D = Data reported from a dilution
ND = Not detected above method detection limit
A = Exceeds Unrestricted Use SCO
B = Exceeds Protection of Groundwater SCO
C = Exceeds Restricted Commercial Use SCO
D = Exceeds Restricted Industrial Use SCO
E = Exceeds CP-51 SCL

Table 9
Summary of Detected VOCs -Subsurface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	USCOs	GWSCOs	ISCOs	CP-51	Sample ID	030-TB-G (6-8)	031-TB-U (7-9)	032-TB-T (11-12)	033-TB-J(6-7)	034-TB-V(9.5-10.5)	035-TB-K(10-11)	036-DUP3 (9-11)	037-TB-AA (10-11)	038-TB-BB (9-11)	039-TB-CC (9-11.4)	040-TB-DD (5-7)	041-TB-S (6.5-7.5)	042-TB-Q (10-11)	043-DUP4	044-TB-A (4.5-7.5)
					Date	3/31/2016	3/31/2016	3/31/2016	3/31/2016	3/31/2016	3/31/2016	4/1/2016	4/4/2016	4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/4/2016	4/4/2016
					Time	14:55	15:30	16:30	17:30	18:10	19:45	16:45	17:05	16:15	15:30	20:00	17:30	19:00	18:30	18:30
Acetone	0.05	0.05	1000	NS		ND	ND	ND	ND	ND	ND	0.0385 J	ND J	0.0205 J	ND	ND	ND	ND	0.0271 J	0.0463 J
2-Butanone (MEK)	NS	NS	NS	0.3		ND	ND	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	0.0031 J
Carbon disulfide	NS	NS	NS	2.7		ND	ND	ND	ND	0.0025 J	ND	0.0055 J	0.0038 J	0.0034 J	0.0027 J	ND	0.003 J	0.0015 J	0.0025 J	0.0027 J
Chloroethane	NS	NS	NS	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0044 J	ND	ND	ND
Chloromethane	NS	NS	NS	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	NS	NS	NS		ND	ND	ND	ND	ND	0.0696 J, D	0.0066 J	0.0044 J	0.0064 J	ND	ND	ND	0.0008 J	ND	ND
Ethanol	NS	NS	NS	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	780	1		ND	ND	ND	ND	ND	ND	0.0025 J	ND	0.0025 J	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NS	1	NS	NS		ND	ND	ND	ND	ND	ND	0.0198 J	ND	0.0112 J	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	NS	NS	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	NS	NS	NS		0.179 J,D	0.230 J,D	0.27 J, D	ND	ND	1.36 D	0.0207 J	0.0444	0.0252	0.0022 J	ND	0.0102 J	0.003 J	ND	ND
Methylene chloride	0.05	0.05	1000	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J
Isopropylbenzene	NS	2.3	NS	2.3		0.564 D	0.163 D	0.0368 J, D	ND	ND	0.0849 J, D	0.0018 J	ND	0.0016 J	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NS	10	NS	10		0.608 D	0.0592 J,D	0.021 J, D	ND	ND	0.108 J, D	0.0008 J	ND	0.001 J	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3.9	3.9	1000	NS		1.19 D	0.304 D	0.0441 J, D	ND	ND	0.100 J, D	0.0009 J	ND	0.001 J	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12	12	1000	12		2.39 D	0.693 D	0.395 D	ND	ND	0.761 D	0.004 J	0.002 J	0.008	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	11	1000	11		2.05 D	0.723 D	1.04 D	ND	0.005	0.827 D	0.0033 J	0.0148	0.0049	0.0036 J	ND	0.0123	ND	ND	ND
tert-Butylbenzene	5.9	5.9	1000	5.9		0.197 D	0.0835 J,D	0.117 D	ND	ND	0.0778 J, D	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	NS	NS		ND	ND	ND	ND	ND	ND	ND	0.0026 J	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	3.6	380	3.6		0.0234 J,D	ND	ND	ND	ND	0.0413 J, D	0.0207	ND	0.0184	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	8.4	380	8.4		ND	ND	ND	ND	ND	ND	0.0056	ND	0.0051	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.33	0.33	1000	NS		ND	ND	ND	ND	ND	ND	0.0516	ND	0.0505	ND	ND	0.0026 J	ND	ND	ND
1,4-Dichlorobenzene	1.8	1.8	250	NS		ND	ND	0.041 J, D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	0.25	1000	NS		ND	ND	ND	0.0039 J	0.0079	ND	9.38 AB	0.0018 J	7.52 D AB	0.0282	ND	2.25 AB	0.007	0.005	0.0043 J
trans-1,2-Dichloroethene	0.19	0.19	1000	NS		ND	ND	ND	ND	ND	ND	0.0092	ND	0.0084	ND	ND	0.007	ND	ND	ND
Naphthalene	12	12	1000	12		2.91 D	ND	ND	ND	ND	ND	0.043	ND	0.0296	0.0067	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	1.3	300	NS		ND J	ND J	ND J	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.47	0.47	400	NS		ND	ND	ND	0.0238	0.0059	0.808 D AB	0.0024 J	0.0452 J	0.0028 J	2.15 D AB	ND	5.58 D AB	0.0005 J	ND	ND
Toluene	0.7	0.7	1000	NS		ND	ND	ND	ND	ND	ND	0.0046 J	ND	0.0042	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.02	0.02	27	NS		ND	ND	ND	ND	ND	ND	1.08 J AB	ND J	1.31 J, D AB	ND	ND	0.0036 J	ND	ND	ND
m,p-Xylene	NS	NS	NS	NS		ND	ND	ND	ND	ND	ND	0.0097 J	ND	0.0097	ND	ND	ND	ND	ND	ND
o-Xylene	NS	NS	NS	NS		ND	ND	ND	ND	ND	ND	0.0085	ND	0.0088	ND	ND	ND	ND	ND	ND
Total Xylenes	0.26	1.6	1000	0.26		ND	ND	ND	ND	ND	ND	0.0182	ND	0.0184	ND	ND	ND	ND	ND	ND
Total VOCs	NS	NS	NS	NS		10.1114	2.2557	1.9649	0.0277	0.0213	4.2376	10.7379	0.119	9.0716	2.1934	0	7.8731	0.0128	0.0346	0.0564
Total TICs	NS	NS	NS	NS		66.8	33.4	18.6	ND	0.608	25.4	14.537	1.06	1.267	0.878	ND	1.117	0.0033	ND	ND
Total VOCs & TICs	NS	NS	NS	NS		76.9114	35.6557	20.5649	0.0277	0.6293	29.6376	25.2749	1.179	10.3386	3.0714	0	8.9901	0.0161	0.0346	0.0564

Notes:
Concentration in mg/kg or parts per million (ppm)
USCOs = Unrestricted Soil Cleanup Objectives
ISCOs = Restricted Industrial Soil Cleanup Objectives
GWSCOs = Protection of Groundwater Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
CP-51 = Soil Cleanup Levels (SCLs) as referenced in NYSDEC Final Commissioner Policy CP-51, dated October 21, 2010
VOCs = Volatile Organic Compounds
TICs = Tentatively Identified Compounds
NS = No Standard Available

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
D = Data reported from a dilution
ND = Not detected above method detection limit
A = Exceeds Unrestricted Use SCO
B = Exceeds Protection of Groundwater SCO
C = Exceeds Restricted Industrial Use SCO
D = Exceeds CP-51 SCL

Table 9 (continued)
Summary of Detected VOCs - Subsurface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	USCOs	GWSCOs	ISCOs	CP-51	Sample ID / Date / Time														
					045-TB-B (4-6)	046-TB-C (4-6)	047-TB-D (9-12)	048-TB-E (5-7)	049-TB-EE (1-4)	050-TB-F (4-7)	051-TB-L (7-9.5)	53-TB-H-1 (9.2-11.2	054-TB-W-1 (0-4)	055-TB-R-1 (8-10)	056-TB-M-1 (8-11.7	057-TB-N-1 (6-8.5)	058-TB-O-1 (8-11.8)	059-TB-I-1 (0-4)	060-TB-P-1 (8-11.8)
					4/4/2016	4/4/2016	4/4/2016	4/4/2016	4/4/2016	4/4/2016	4/4/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016
					20:45	19:10	21:30	20:00	15:05	16:15	17:20	10:30	10:50	11:20	11:45	12:10	12:45	13:10	14:00
Acetone	0.05	0.05	1000	NS	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	0.0236 J	ND	ND	ND
2-Butanone (MEK)	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031 J	0.0028 J	ND	ND	ND
Carbon disulfide	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	0.0028 J	0.0038 J	0.0033 J	ND	0.0034 J	0.0029 J	0.0033 J	ND	0.0021 J
Chloroethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	0.0016 J	0.186 JD	0.0092 J	ND	ND	ND	ND
Ethanol	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	1	780	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NS	1	NS	NS	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	0.0034 J	ND	ND	ND J	ND J	ND J	ND J	ND J	ND J
Methylcyclohexane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	0.0102	0.0032 J	1.24 D	0.0543	ND	0.0011 J	ND	ND
Methylene chloride	0.05	0.05	1000	NS	ND J	ND	ND	ND	ND	ND	ND	ND J	ND J	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	2.3	NS	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19 D	0.0028 J	ND	ND	ND	ND
4-Isopropyltoluene	NS	10	NS	10	ND	ND	0.0459 J, D	ND	ND	ND	ND	ND	ND	0.0616 JD	ND	ND	ND	ND	ND
n-Propylbenzene	3.9	3.9	1000	NS	ND	ND	0.0745 J, D	ND	ND	ND	ND	ND	ND	0.374 D	0.005	ND	ND	ND	ND
n-Butylbenzene	12	12	1000	12	ND	ND	0.0608 J, D	ND	ND	ND	ND	0.0006 J	ND	0.606 D	0.0122	ND	ND	ND	ND
sec-Butylbenzene	11	11	1000	11	ND	ND	0.0646 J, D	ND	ND	ND J	ND	0.0024 J	ND	1.05 D	0.013	0.126 D	ND	ND	ND
tert-Butylbenzene	5.9	5.9	1000	5.9	ND	ND	ND	ND	ND	ND J	ND	ND	ND	0.0843 JD	ND	0.0511 JD	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0024 J	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	3.6	380	3.6	ND	ND	0.394 D	ND	ND	ND	ND	ND	ND	0.22 D	0.0007 J	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	8.4	380	8.4	ND	ND	0.191 D	ND	ND	ND	ND	ND	ND	0.0826 JD	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.33	0.33	1000	NS	ND	ND	ND	ND	ND	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	1.8	250	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	0.25	1000	NS	0.0131	ND	ND	0.002 J	ND	ND	0.0077	0.0146	ND	ND	0.0075	0.0469 JD	ND	ND	ND
trans-1,2-Dichloroethene	0.19	0.19	1000	NS	0.0032 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0024 J	ND	ND	ND
Naphthalene	12	12	1000	12	ND	ND J	ND	ND J	ND	ND	ND	ND	0.0043 J	0.217 D	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	1.3	300	NS	ND	ND	ND J	ND	ND	0.0027 J	0.0161	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.47	0.47	400	NS	0.791 D AB	ND	0.459 J	0.520 D AB	0.0165	0.764 D AB	0.0406	0.0382	0.0032 J	ND	0.0027 J	1.7 D AB	0.0047	ND	ND
Toluene	0.7	0.7	1000	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0013 J	ND	ND	ND	ND
Vinyl chloride	0.02	0.02	27	NS	ND	ND	ND	ND	ND	ND	ND	0.0303 AB	ND	ND	ND	0.0104	ND	ND	ND
m,p-Xylene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0014 J	ND	ND	ND	ND
o-Xylene	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0551 JD	ND	ND	ND	ND	ND
Total Xylenes	0.26	1.6	1000	0.26	ND	ND	ND	ND	ND	ND	ND	0.0009 J	ND	0.0551 JD	0.0021 J	ND	ND	ND	ND
Total VOCs	NS	NS	NS	NS	0.8073	0	1.2898	0.522	0.0165	0.7667	0.0706	0.101	0.0156	4.4217	0.1211	1.9661	0.0091	0	0.0021
Total TICs	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	0.486	0.115	30.8	0.796	0.0075	ND	ND	ND
Total VOCs & TICs	NS	NS	NS	NS	0.8073	0	1.2898	0.522	0.0165	0.7667	0.0706	0.587	0.1306	35.2217	0.9171	1.9736	0.0091	0	0.0021

Notes:
Concentration in mg/kg or parts per million (ppm)
USCOs = Unrestricted Soil Cleanup Objectives
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GWSCOs = Protection of Groundwater Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
CP-51 = Soil Cleanup Levels (SCLs) as referenced in NYSDEC Final Commissioner Policy CP-51, dated October 21, 2010
VOCs = Volatile Organic Compounds
TICs = Tentatively Identified Compounds
NS = No Standard Available

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
D = Data reported from a dilution
ND = Not detected above method detection limit
A = Exceeds Unrestricted Use SCO
B = Exceeds Protection of Groundwater SCO
C = Exceeds Restricted Industrial Use SCO
D = Exceeds CP-51 SCL

Table 9 (continued)
Summary of Detected VOCs - Subsurface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	USCOs	GWSCOs	ISCOs	CP-51	Sample ID																							
					Date																							
					Time																							
					135-TB-GG (10-12)			136-TB-II (11-12.7)			137-DUP-4/5/17			138-TB-KK (10-12)			139-TB-JJ (11-11.7)			141-TB-FF (10-12)			142-TB-HH (11.5-12.5					
					4/5/2017			4/5/2017			4/5/2017			4/5/2017			4/5/2017			4/5/2017			4/5/2017					
					9:35			10:35			10:35			11:00			11:20			14:10			14:55					
Acetone	0.05	0.05	1000	NS	ND	J		ND			ND			ND			ND			ND			ND					
2-Butanone (MEK)	NS	NS	NS	NS	ND	J		ND			ND			ND			ND			ND			ND					
Carbon disulfide	NS	NS	NS	NS	ND	J		ND			ND			ND			ND			ND			ND					
Chloroethane	NS	NS	NS	NS	ND	J		ND			ND			ND			ND			ND			ND					
Chloromethane	NS	NS	NS	NS	0.0274	JD		ND			ND			ND			ND			ND			ND					
Cyclohexane	NS	NS	NS	NS	0.0220	JD		0.0892	JD		0.00516	J		0.0911	JD		0.057	JD		ND			ND					
Ethanol	NS	NS	NS	NS	ND	J		ND	J		ND	J		ND	JD		ND	JD		ND	J		ND	J				
Ethylbenzene	1	1	780	1	0.017	JD		0.0618	JD		0.157	JD		0.0531	JD		0.0307	JD		ND			ND					
4-Methyl-2-pentanone (MIBK)	NS	1	NS	NS	ND	J		ND			ND			ND			ND			ND			ND					
Methyl acetate	NS	NS	NS	NS	ND	J		ND			ND			ND			ND			ND			ND					
Methylcyclohexane	NS	NS	NS	NS	0.0269	JD		0.166	JD		0.315	JD		0.32	D		0.318	JD		0.00168	J		0.00283	J				
Methylene chloride	0.05	0.05	1000	NS	ND	J		ND			ND			ND			ND			ND			ND					
Isopropylbenzene	NS	2.3	NS	2.3	0.0162	JD		0.0532	JD		0.134	JD		0.0668	JD		0.0735	JD		ND			ND					
4-Isopropyltoluene	NS	10	NS	10	0.0228	JD		0.0824	JD		0.210	JD		0.0713	JD		0.0817	D		ND			ND					
n-Propylbenzene	3.9	3.9	1000	NS	0.022	JD		0.0841	JD		0.215	JD		0.105	JD		0.11	D		ND			ND					
n-Butylbenzene	12	12	1000	12	0.0294	JD		0.13	JD		0.310	JD		0.25	D		0.318	D		ND			ND					
sec-Butylbenzene	11	11	1000	11	0.0249	JD		0.108	JD		0.234	JD		0.213	D		0.235	D		0.00075	J		ND					
tert-Butylbenzene	5.9	5.9	1000	5.9	0.0232	JD		0.0875	JD		0.229	JD		0.085	JD		0.0532	JD		ND			ND					
1,1,2-Trichloroethane	NS	NS	NS	NS	ND	J		ND			ND			ND			ND			ND			ND					
1,2,4-Trimethylbenzene	3.6	3.6	380	3.6	0.0240	JD		0.0927	JD		0.239	JD		0.082	JD		0.107	D		ND			ND					
1,3,5-Trimethylbenzene	8.4	8.4	380	8.4	0.0228	JD		0.0858	JD		0.229	JD		0.0744	JD		0.0382	JD		ND			ND					
1,1-Dichloroethene	0.33	0.33	1000	NS	ND	J		ND			ND			ND			ND			ND			ND					
1,4-Dichlorobenzene	1.8	1.8	250	NS	ND	J		ND			ND			ND			ND			ND			ND					
cis-1,2-Dichloroethene	0.25	0.25	1000	NS	0.195	D		0.197	D		0.0933			0.756	D	AB	0.364	D	AB	0.0242			0.00463					
trans-1,2-Dichloroethene	0.19	0.19	1000	NS	0.00254	J		0.00347	J		0.00739			0.00596			ND			ND			ND					
Naphthalene	12	12	1000	12	0.0398	JD		0.424	D		0.596	D		0.117	JD		ND			ND			ND					
Tetrachloroethene	1.3	1.3	300	NS	0.0158	JD		ND			ND			ND			0.0285	JD		ND			ND					
Trichloroethene	0.47	0.47	400	NS	0.0199	JD		2.21	D	AB	0.616	D	AB	0.2380	D		0.0232	JD		0.00441			0.00288	J				
Toluene	0.7	0.7	1000	NS	ND	J		ND			ND			ND			ND			ND			ND					
Vinyl chloride	0.02	0.02	27	NS	0.0093	J+		0.00272	J		0.017			0.0531	JD	AB	ND			0.0103			0.00212	J				
m,p-Xylene	NS	NS	NS	NS	0.0211	JD		0.0772	JD		0.200	JD		0.0638	JD		0.0352	JD		ND			ND					
o-Xylene	NS	NS	NS	NS	0.0203	JD		0.0669	JD		0.181	JD		0.0592	JD		0.0322	JD		ND			ND					
Total Xylenes	0.26	1.6	1000	0.26	0.0414	JD		0.1441			0.381		AD	0.123			0.0674			ND			ND					
Total VOCs	NS	NS	NS	NS	0.60234			4.02199			3.98785			2.70476			1.9054			0.04134			0.01246					
Total TICs	NS	NS	NS	NS	ND			0.709			0.26			6			8.9			0.0584			0.0108					
Total VOCs & TICs	NS	NS	NS	NS	0.60234			4.73099			4.24785			8.70476			10.8054			0.09974			0.02326					

Notes:
Concentration in mg/kg or parts per million (ppm)
USCOs = Unrestricted Soil Cleanup Objectives
ISCOs = Restricted Industrial Soil Cleanup Objectives
GWSCOs = Protection of Groundwater Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
CP-51 = Soil Cleanup Levels (SCLs) as referenced in NYSDEC Final Commissioner Policy CP-51, dated October 21, 2010
VOCs = Volatile Organic Compounds
TICs = Tentatively Identified Compounds
NS = No Standard Available

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
D = Data reported from a dilution
ND = Not detected above method detection limit
A = Exceeds Unrestricted Use SCO
B = Exceeds Protection of Groundwater SCO
C = Exceeds Restricted Industrial Use SCO
D = Exceeds CP-51 SCL

Table 10
Summary of Detected SVOCs - Surface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	USCOs	GWSCOs	CSCOs	ISCOs	Sample ID	Sample Date	Sample Time
					002-SS-3 (0-1)	003-SSE-1 (0-0.18)	006-SSE-3 (0-0.18)
					2/8/2016	2/8/2016	2/8/2016
					11:20	11:55	13:12
1-Methylnaphthalene	NS	NS	NS	NS	ND	ND	0.0935 JD
2,4-Dinitrophenol	NS	0.2	NS	NS	ND	ND	ND
2-Methylnaphthalene	NS	36.4	NS	NS	ND	ND	0.11 JD
Acenaphthene	20	98	500	1000	ND	ND	ND
Acenaphthylene	100	107	500	1000	ND	ND	0.107 JD
Anthracene	100	1000	500	1000	0.159 JD	0.137 JD	0.101 JD
Benzyl alcohol	NS	NS	NS	NS	ND	ND	ND
Benzo(a)anthracene	1	1	5.6	11	0.835 D	0.663 D	0.495 D
Benzo(a)pyrene	1	22	1	1.1	0.768 D	0.654 D	0.431 D
Benzo(b)fluoranthene	1	1.7	5.6	11	0.996 D	0.849 D	0.663 D
Benzo(g,h,i)perylene	100	1000	500	1000	0.481 D	0.334 JD	0.251 D
Benzo(k)fluoranthene	0.8	1.7	56	110	0.422 D	0.38 JD	0.263 D
Bis(2-ethylhexyl)phthalate	NS	435	NS	NS	ND	ND	ND
Carbazole	NS	NS	NS	NS	ND	ND	ND
Chrysene	1	1	56	110	0.788 D	0.663 D	0.492 D
Di-n-butyl phthalate	NS	8.1	NS	NS	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	1000	0.56	1.1	0.126 JD	0.0829 JD	0.0667 JD
Dibenzofuran	7	210	350	1000	ND	ND	0.0468 JD
Fluoranthene	100	1000	500	1000	1.53 D	1.4 D	0.914 D
Fluorene	30	386	500	1000	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	8.2	5.6	11	0.546 D A	0.414 JD	0.275 D
Naphthalene	12	12	500	1000	ND	ND	0.0831 JD
Phenanthrene	100	1000	500	1000	0.745 D	0.643 D	0.391 D
Phenol	0.33	0.33	500	1000	ND	ND	ND
Pyrene	100	1000	500	1000	1.25 D	1.19 D	0.813 D
Total SVOCs	NS	NS	NS	NS	8.646	7.4099	5.5961
TICs							
Total TICs	NS	NS	NS	NS	0	0	0
Total SVOCs & TICs	NS	NS	NS	NS	8.646	7.4099	5.5961

Compound	USCOs	GWSCOs	CSCOs	ISCOs	007-SS-4 (0-1)	008-SS-4 (1.2)	009-SSE-4 (0-0.18)	010-SSE-5 (0-0.18)	012-MW-1R (0-1)	013-SS-9 (0-1)	015-SS-8 (0-1)	016-SS-8 (1.8)	017-TB-H (0-1)	018-MW-19 (0-1)	019-SS-5 (0-1)	DUP1-02-09-2016	022-SS-7 (1-2)	023-TP-A (0-1)	024-SSE-2 (0-0.18)	104-SS-7 (0-1)
					2/8/2016	2/8/2016	2/8/2016	2/8/2016	2/8/2016	2/8/2016	2/8/2016	2/8/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/12/2016	7/26/2016
					13:19	13:30	13:55	14:10	14:47	15:12	15:40	15:56	8:57	8:55	10:15	10:15	11:40	13:45	10:50	14:15
1-Methylnaphthalene	NS	NS	NS	NS	ND	0.12	ND	ND	0.628 JD	ND	ND	ND	0.0311 J	ND	0.0372 J	0.0435 J	0.623 JD	0.0591 J	0.169 JD	ND
2,4-Dinitrophenol	NS	0.2	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	36.4	NS	NS	0.0254 J	0.131	ND	ND	0.698 JD	ND	ND	ND	0.0315 J	ND	0.0464 J	0.0427 J	0.627 JD	0.0678 J	0.171 JD	ND
Acenaphthene	20	98	500	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0321 J	2.12 D	0.0229 J	0.652 D	ND
Acenaphthylene	100	107	500	1000	0.0195 J	ND	ND	ND	9.44 D	0.158 JD	ND	0.0384 JD	ND	ND	0.068 J	0.0654 J	ND	0.0701 J	0.117 JD	ND
Anthracene	100	1000	500	1000	0.0199 J	ND	ND	0.0606 JD	5.27 D	0.189 D	0.155 JD	0.0907 JD	0.0399 J	ND	0.0584 J	0.127	5.48 D	0.082	1.52 D	ND
Benzyl alcohol	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	1	5.6	11	0.0975	0.0736 J	0.109 JD	0.36 D	24.1 D ABCD	1.21 D AB	0.767 D	0.429 D	0.195	0.281 JD	0.224	0.347	11.1 D ABCD	0.365	6.69 D ABC	3.95 AB
Benzo(a)pyrene	1	22	1	1.1	0.0967	0.0728 J	0.122 JD	0.392 D	34.5 D ABCD	1.21 D ACD	0.781 D	0.456 D	0.195	0.283 JD	0.198	0.302	9.63 D ACD	0.357	5.91 D ACD	3.94 ACD
Benzo(b)fluoranthene	1	1.7	5.6	11	0.134	0.104	0.175 D	0.489 D	47.9 D ABCD	1.73 D AB	1.01 D A	0.615 D	0.264	0.397 D	0.29	0.42	12 D ABCD	0.567	8.81 D AB	2.76 AB
Benzo(g,h,i)perylene	100	1000	500	1000	0.0602 J	0.0524 J	0.104 JD	0.244 D	20.8 D	0.703 D	0.49 D	0.277 D	0.115	0.242 JD	0.111	0.165	5.05 D	0.176	2.63 D	2.74
Benzo(k)fluoranthene	0.8	1.7	56	110	0.0572 J	0.04 J	0.0619 JD	0.228 D	13.6 D AB	0.639 D	0.423 D	0.24 D	0.104	0.224 JD	0.141	0.167	4.29 D AB	0.203	2.68 D AB	5.17 AB
Bis(2-ethylhexyl)phthalate	NS	435	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	NS	NS	ND	ND	ND	ND	ND	0.338 JD	ND	ND	ND	ND	ND	ND	3.47 D	ND	1.75 D	ND
Chrysene	1	1	56	110	0.111	0.0804	0.12 JD	0.403 D	21.5 D AB	1.44 D AB	0.811 D	0.489 D	0.186	0.349 D	0.25	0.341	9.32 D AB	0.406	6.21 D AB	4.82 AB
Di-n-butyl phthalate	NS	8.1	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	1000	0.56	1.1	0.0157 J	ND	ND	0.0505 JD	4.98 D ACD	0.126 JD	0.11 JD	0.0572 JD	0.0263 J	ND	0.0316 J	0.0439 J	1.33 D ACD	0.0457 J	0.742 D AC	ND
Dibenzofuran	7	210	350	1000	ND	0.0416 J	ND	ND	0.714 JD	0.0372 JD	ND	ND	0.0164 J	ND	0.018 J	0.0341 J	1.48 JD	0.0343 J	0.335 D	ND
Fluoranthene	100	1000	500	1000	0.178	0.104	0.212 D	0.815 D	26.9 D	2.92 D	1.8 D	1.02 D	0.379	0.746 D	0.373	0.644	24.1 D	0.704	13.3 D	9.01
Fluorene	30	386	500	1000	ND	ND	ND	ND	0.791 JD	0.0494 JD	ND	ND	ND	ND	ND	0.0451 J	2.45 D	0.0236 J	0.535 D	ND
Indeno(1,2,3-cd)pyrene	0.5	8.2	5.6	11	0.0716 J	0.0604 J	0.104 JD	0.274 D	26.1 D ABCD	0.837 D A	0.59 D A	0.333 D	0.118	0.258 JD	0.142	0.207	6.35 D AC	0.212	3.31 D A	2.79 A
Naphthalene	12	12	500	1000	0.08	ND	ND	ND	1.68 D	0.047 JD	ND	ND	0.0279 J	ND	0.0368 J	0.0435 J	0.866 D	0.0544 J	0.245 JD	ND
Phenanthrene	100	1000	500	1000	0.0729 J	0.134	0.0722 JD	0.33 D	6.83 D	1.29 D	0.961 D	0.489 D	0.19	0.349 D	0.149	0.463	21.6 D	0.311	6.63 D	3.45
Phenol	0.33	0.33	500	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	1000	500	1000	0.162	0.0956	0.188 D	0.696 D	30.5 D	2.45 D	1.53 D	0.845 D	0.347	0.685 D	0.391	0.58	22.3 D	0.665	10.8 D	7.76
Total SVOCs	NS	NS	NS	NS	1.1407	1.1898	1.2681	4.3421	276.931	15.3736	9.428	5.3793	2.2661	3.814	2.5654	4.1133	144.186	4.4259	73.206	46.39
TICs																				
Total TICs	NS	NS	NS	NS	0	0	0	0	24	0.87	0	0	0	0	0	0	5.46	0.46	4.2	0
Total SVOCs & TICs	NS	NS	NS	NS	1.1407	1.1898	1.2681	4.3421	300.931	16.2436	9.428	5.3793	2.2661	3.814	2.5654	4.1133	149.646	4.8859	77.406	46.39

Notes:
Concentration in mg/kg or parts per million (ppm)
USCOs = Unrestricted Soil Cleanup Objectives
GWSCOs = Protection of Groundwater Soil Cleanup Objectives
ISCOs = Restricted Industrial Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 200
SVOCs = Semi-Volatile Organic Compounds
TICs = Tentatively Identified Compounds
NS = No Standard Available

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentratior
D = Data reported from a dilution
ND = Not detected above method detection limit
A = Exceeds Unrestricted Use SCO
B = Exceeds Protection of Groundwater SCO
C = Exceeds Restricted Commercial Use SCO
D = Exceeds Restricted Industrial Use SCO

Table 11
Summary of Detected SVOCs - Subsurface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	USCOs	GWSCOs	ISCOs	Sample ID	030-TB-G (6-8)	031-TB-U (7-9)	032-TB-T (11-12)	033-TB-J (6-7)	034-TB-V (9.5-10.5)	035-TB-K (10-11)	036-DUP3 (9-11)	037-TBAA (10-11)	038-TB-BB (9-11)	039-TB-CC (9-11.4)	040-TB-DD (5-7)	041-TB-S (6.5-7.5)	042-TB-Q (10-11)	043-DUP4	044-TB-A (4.5-7.5)
				Sample Date	3/31/2016	3/31/2016	3/31/2016	3/31/2016	3/31/2016	3/31/2016	4/1/2016	4/4/2016	4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/4/2016	4/4/2016
				Sample Time	14:55	15:30	16:30	17:30	18:10	19:45	16:15	17:05	16:15	15:30	20:00	17:30	19:00	18:30	18:30
1-Methylnaphthalene	NS	NS	NS		9.46 D	4.66 D	ND	ND	ND	0.0996	ND	ND	ND	ND	ND	ND	ND	ND J	ND J
2,4-Dinitrophenol	NS	0.2	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	36.4	NS		2.34 D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	98	1000		ND	ND	ND	ND	ND	0.0658 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	107	1000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	1000	1000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NS	NS	NS		ND J	ND	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND	ND	ND	ND
Benzo(a)anthracene	1	1	11		ND	ND	ND	ND	ND	ND	ND	ND	0.0655 J	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1	22	1.1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	1.7	11		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	100	1000	1000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.8	1.7	110		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	435	NS		ND	ND	ND	ND	ND	ND	0.0677 J	ND	0.0758 J	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	NS		ND	ND	ND	ND	ND	ND	0.0677 J	ND	0.0694 J	ND	ND	ND	ND	ND	ND
Chrysene	1	1	110		ND	ND	ND	ND	ND	ND	0.0459 J	ND	0.0672 J	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	NS	8.1	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	1000	1.1		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	210	1000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	1000	1000		ND	ND	ND	ND	ND	ND	0.109	ND	0.202	ND	ND	ND	ND	ND	ND
Fluorene	30	386	1000		1.78 D	1.25 D	ND	ND	0.738 D	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	8.2	11		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND J
Naphthalene	12	12	1000		1.15 D	ND	ND	ND	ND	ND	0.0774 J	ND	0.0989	ND	ND	ND	ND	ND	ND
Phenanthrene	100	1000	1000		3.89 D	2.77 D	0.148	ND	ND	0.307	0.12	ND	0.208	ND	ND	ND	ND	ND	ND
Phenol	0.33	0.33	1000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	1000	1000		ND	ND	0.176	ND	ND	ND	0.0875	ND	0.158	ND	ND	ND	ND	ND	ND
Total SVOCs	NS	NS	NS		18.62	8.68	0.324	0	0.738	0.6324	0.5752	0	0.9448	0	0	0	0	0	0
TICs																			
Total TICs	NS	NS	NS		127.4	97.4	11.61	0.4	27.8	9.39	0.92	0	0.91	0	0	0	0.66	0.99	1.2
Total SVOCs & TICs	NS	NS	NS		146.02	106.08	11.934	0.4	28.538	10.0224	1.4952	0	1.8548	0	0	0	0.66	0.99	1.2

Compound	USCOs	GWSCOs	ISCOs	Sample ID	045-TB-B (4-6)	046-TB-C (4-6)	047-TB-D (9-12)	048-TB-E (5-7)	049-TB-EE (1-4)	050-TB-F (4-7)	051-TB-L (7-9.5)	53-TB-H-1 (9.2-11.2	054-TB-W-1 (0-4)	055-TB-R-1 (8-10)	056-TB-M-1 (8-11.7	057-TB-N-1 (6-8.5)	058-TB-O-1 (8-11.8	059-TB-I-1 (0-4)	060-TB-P-1 (8-11.8
				Sample Date	4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/4/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016
				Sample time	20:45	19:10	21:30	20:00	15:05	16:15	17:20	10:30	10:50	11:20	11:45	12:10	12:45	13:10	14:00
1-Methylnaphthalene	NS	NS	NS		ND J	ND J	ND J	ND J	0.176 J	ND J	ND J	ND	ND	1.72 D	ND	ND	ND	ND	ND
2,4-Dinitrophenol	NS	0.2	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	36.4	NS		ND	ND	ND	ND	0.152 J, D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	98	1000		ND	ND	ND	ND	0.58 D	ND	ND	ND	1.5 D	0.77 JD	ND	ND	ND	ND	ND
Acenaphthylene	100	107	1000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	1000	1000		ND	ND	ND	ND	1.57 D	ND	ND	ND	2 D	0.568 JD	ND	ND	ND	0.153 D	ND
Benzyl alcohol	NS	NS	NS		ND	ND	ND	ND	ND	ND	2.41	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J
Benzo(a)anthracene	1	1	11		ND	ND	ND	ND	2.59 D AB	ND	ND	ND	4.84 D AB	ND	ND	ND	ND	0.374 D	ND
Benzo(a)pyrene	1	22	1.1		ND	ND	ND	ND	2.54 D AC	ND	ND	ND	4.89 D AC	ND	ND	ND	ND	0.399 D	ND
Benzo(b)fluoranthene	1	1.7	11		0.0483 J	ND	ND	ND	3.08 D AB	ND	ND	ND	5.39 D AB	ND	ND	ND	ND	0.383 D	ND
Benzo(g,h,i)perylene	100	1000	1000		ND	ND	ND	ND	1.44 D	ND	ND	ND	2.22 D	ND	ND	ND	ND	0.155 D	ND
Benzo(k)fluoranthene	0.8	1.7	110		ND	ND	ND	ND	1.18 D A	ND	ND	ND	2.12 D AB	ND	ND	ND	ND	0.139 JD	ND
Bis(2-ethylhexyl)phthalate	NS	435	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	NS		ND	ND	ND	ND	0.522 D	ND	ND	ND	1.37 JD	ND	ND	ND	ND	ND	ND
Chrysene	1	1	110		ND	ND	ND	ND	2.47 D AB	ND	ND	ND	5.36 D AB	ND	ND	ND	ND	0.373 D	ND
Di-n-butyl phthalate	NS	8.1	NS		ND	ND	ND	ND	ND	ND	0.0598 J	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.33	1000	1.1		ND	ND	ND	ND	0.425 D A	ND	ND	ND	0.72 JD A	ND	ND	ND	ND	ND	ND
Dibenzofuran	7	210	1000		ND	ND	ND	ND	0.386 J, D	ND	ND	ND	0.649 JD	ND	ND	ND	ND	ND	ND
Fluoranthene	100	1000	1000		0.0783 J	ND	ND	ND	5.65 D	ND	0.0489 J	ND	10.8 D	0.644 JD	ND	ND	ND	0.821 D	ND
Fluorene	30	386	1000		ND	ND	ND	ND	0.565 D	ND	ND	ND	1.2 D	1.8 D	0.315 JD	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	8.2	11		ND J	ND J	ND J	ND J	1.77 J A	ND J	ND J	ND	2.85 D A	ND	ND	ND	ND	0.198 D	ND
Naphthalene	12	12	1000		ND	ND	ND	ND	0.223 D	ND	ND	ND	0.577 JD	ND	ND	ND	ND	ND	ND
Phenanthrene	100	1000	1000		ND	ND	ND	ND	4.63 D	ND	ND	ND	8.69 D	4.52 D	ND	ND	ND	0.554 D	ND
Phenol	0.33	0.33	1000		ND	ND	ND	ND	ND	ND	ND	ND J	ND J	ND J	ND J	ND J	ND J	ND J	ND J
Pyrene	100	1000	1000		0.0586 J	ND	ND	ND	4.55 D	ND	ND	ND	9.78 D	0.905 D	ND	ND	ND	0.780 D	ND
Total SVOCs	NS	NS	NS		0.1852	0	0	0	34.499	0	2.5187	0	64.956	10.927	0.315	0	0	4.329	0
TICs																			
Total TICs	NS	NS	NS		2.13	2.34	59.4	1.71	0	1.88	0.55	0	0	123.1	6.7	0	0	0	2.01
Total SVOCs & TICs	NS	NS	NS		2.3152	2.34	59.4	1.71	34.499	1.88	3.0687	0	64.956	134.027	7.015	0	0	4.329	2.01

Notes:
Concentration in mg/kg or parts per million (ppm)
USCOs = Unrestricted Soil Cleanup Objectives
GWSCOs = Protection of Groundwater Soil Cleanup Objectives
ISCOs = Restricted Industrial Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
SVOCs = Semi-Volatile Organic Compounds
TICs = Tentatively Identified Compounds
NS = No Standard Available

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
D = Data reported from a dilution
ND = Not detected above method detection limit
A = Exceeds Unrestricted Use SCO
B = Exceeds Protection of Groundwater SCO
C = Exceeds Restricted Industrial Use SCO

Table 12
Summary of Detected Metals and Cyanide - Surface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	USCOs	GWSCOs	CSCOs	ISCOs	Sample ID	Sample Date	Sample Time
					002-SS-3 (0-1)	2/8/2016	11:20
Aluminum	NS	NS	NS	NS	7810 J
Antimony	NS	NS	NS	NS	1.15 J
Arsenic	13	16	16	16	9.98
Barium	350	820	400	10000	171 J
Beryllium	7.2	47	590	2700	0.389 J
Cadmium	2.5	7.5	9.3	60	0.848 J
Calcium	NS	NS	NS	NS	10600 J
Chromium	30	NS	NS	6800	40.8 J A
Cobalt	NS	NS	NS	NS	6.75
Copper	50	1720	270	10000	335 J AC
Iron	NS	NS	NS	NS	12000 J
Lead	63	450	1000	3900	404 J A
Magnesium	NS	NS	NS	NS	4360 J
Manganese	1600	2000	10000	10000	210 J
Mercury	0.18	0.73	2.8	5.7	0.1477
Nickel	30	130	310	10000	18.6 J
Potassium	NS	NS	NS	NS	1180 J
Silver	2	8.3	1500	6800	0.85 J
Selenium	3.9	4	1500	6800	ND
Sodium	NS	NS	NS	NS	85.9 J
Vanadium	NS	NS	NS	NS	16.2
Zinc	109	2480	10000	10000	219 J A
Cyanide	27	40	27	10000	ND

Compound	003-SSE-1 (0-0.18) 2/8/2016 11:55	006-SSE-3 (0-0.18) 2/8/2016 13:12	007-SS-4 (0-1) 2/8/2016 13:19	008-SS-4 (1.2) 2/8/2016 13:30	009-SSE-4 (0-0.18) 2/8/2016 13:55	010-SSE-5 (0-0.18) 2/8/2016 14:10	012-MW-1R (0-1) 2/8/2016 14:47	013-SS-9 (0-1) 2/8/2016 15:12	015-SS-8 (0-1) 2/8/2016 15:40	016-SS-8 (1.8) 2/8/2016 15:56	017-TB-H (0-1) 2/9/2016 8:57	018-MW-19 (0-1) 2/9/2016 8:55	019-SS-5 (0-1) 2/9/2016 10:15	DUP1-02-09-2016 2/9/2016 10:15	022-SS-7 (1-2) 2/9/2016 11:40	023-TP-A (0-1) 2/9/2016 13:45	024-SSE-2 (0-0.18) 2/12/2016 10:50	104-SS-7 (0-1) 7/26/2016 0:00
Aluminum	7910 J	8350 J	7320 J	6500 J	6080 J	7270 J	10300 J	6800 J	5640 J	7110 J	7860 J	1100 J	7970 J	8590 J	6840 J	8320 J	9880 J	6160
Antimony	ND J	ND J	ND J	ND J	ND J	ND J	1.24 J+	ND J	ND J	ND J	ND J	0.805 J-	ND J	ND J	ND J	ND J	ND J	ND
Arsenic	4.02	6.41	4.82	6.32	3.99	3.72	6.9	4.2	4.71	6.16	6.31	1.21 J	4.82	5.25	7.3	5.55	6.4	4.88
Barium	75.1	50.9 J	51.5 J	46.4 J	43.6 J	54.9 J	277 J	50 J	190 J	96.8 J	52.6 J	10.7 J	68 J	85.3 J	63.1 J	81.8 J	103 J	42 J
Beryllium	0.4 J	0.478 J	0.38 J	0.463 J	0.279 J	0.301 J	2.34	0.293 J	0.264 J	0.365 J	0.352 J	ND	0.692	0.763	0.338 J	0.912	0.484 J	ND
Cadmium	0.469 J	0.593 J	0.557 J-	0.565 J-	0.516 J-	0.527 J-	1 J-	0.568 J	0.625 J-	0.615 J-	1.85 J-	0.249 J-	0.951 J-	0.607 J-	0.246 J-	0.14 J-	0.347 J	ND
Calcium	17300 J	3350 J	9650 J	3820 J	22800 J	15700 J	58400 J	21200 J	22400 J	20200 J	5760 J	194000 J	18800 J	12000 J	9350 J	25900 J	8330	132000
Chromium	12.6 J	14.6 J	20 J	10.1 J	11.1 J	14.4 J	45.5 J A	13.9 J	10.5 J	13 J	15.8 J	4.31 J	12.8 J	12.9 J	14.8 J	11.9 J	20 J	12.3 J
Cobalt	3.64	5.1	5.35	5.33 J	4.51	4.26	4	4.41	5.11	5.59	9.46	1.05	4.75	4.98	5.05	4.63	4.63	6.09 J
Copper	28.3 J	44.3 J	39.9 J	19.1 J	18.1 J	23.8 J	175 J A	23 J	18.7 J	38.9 J	97 J A	5.2 J	22.2 J	21.8 J	85.8 J A	41.6 J	88.9 J A	41.7 J
Iron	8710 J	12300 J	12100 J	12800 R06	10200 J	9690 J	21800 J	9770 J	11100 J	8640 J	11500 J	2420 J	10700 J	11500 J	11500 J	10400 J	13400 J	18700 J+
Lead	59.7 J	49.4 J	37.7 J	22.8 J	15.7 J	37.9 J	623 J AB	55.1 J	67.1 J A	168 J A	38 J	4.07 J	25.8 J	32.6 J	101 J A	46.2 J	137 J A	49.2 J
Magnesium	3910 J	1950 J	4110 J	1950 J	9220 J	5220 J	4430 J	8330 J	9450 J	4460 J	3100 J	17900 J	3570 J	3620 J	4960 J	4880 J	3280 J	22000
Manganese	156 J	202 J	266 J-	228 J-	264 J-	220 J-	175 J-	241 J-	246 J-	216 J-	246 J-	126 J-	206 J-	218 J-	296 J-	254 J-	228 J	268 J
Mercury	0.127	0.0736	0.0434	0.0378	0.0346	0.0941	0.0762	0.183 A	0.0422	0.376 A	0.0701	ND	0.0488	0.0522	0.105	0.0743	0.142	0.0693 J+
Nickel	9.97 J	12.9 J	16.5 J	12.1 J	12.8 J	10.8 J	15.1 J+	10.8 J	11.7 J	11.6 J	1860 J ABC	6.35 J	14.5 J	13.1 J	15 J	11.2 J	26.5 J	25 J
Potassium	1470 J	981 J+	959 J+	788 J+	1620 J+	1390 J+	586 J	1200 J+	1150 J+	1060 J+	1040 J+	593 J+	864 J+	847 J+	1110 J+	1040 J+	1320 J	1190 J+
Silver	ND J	ND J	ND J	ND J	ND J	0.589 J-	ND J	0.618 J-	ND J-	ND J	ND J	ND	ND J	ND J	0.53 J-	ND J	0.984 J	ND
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.522 J	ND
Sodium	111 U	57.8 J	80.6 U	75.4 U	104 U	95.2 U	1650 R01,D	105 U	131 U	516	72.5 U	277 J	73.9 U	71.4 U	110 U	95.6 U	73.1	242
Vanadium	15.2	15.8	14.9	14.3	13.3	15.5	9.44	14.6	13.6	16.4	16.3	10.9	14.8	15.2	14.9	14.5	15.9	12.2 J
Zinc	80.6 J	84.2 J	69.6 J	70 J	56.2 J	98.5 J	97.7 J	63.3 J	92.2 J	150 J A	91.7 J	28.1 J	77.6 J	69.9 J	75.8 J	67.3 J	173 J A	16.4 J
Cyanide	ND	1.33	1.91	1.16	ND	ND	19.5	ND	ND	ND	ND	ND	34.7 AC	12	ND	3.79	ND	ND

Notes:
Concentration in mg/kg or parts per million (ppm)
USCOs = Unrestricted Soil Cleanup Objectives
GWSCOs = Protection of Groundwater Soil Cleanup Objectives
ISCOs = Restricted Industrial Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
NS = No Standard Available

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
+ = Estimated concentration is biased high
- = Estimated concentration is biased low
D = Data reported from a dilution
U = The compound was analyzed for, but not detected above the Practical Quantitation Limit/Contract Required Quantitation Limit. The sample specific quantitation limit reported has been corrected for dilution and percent moisture
R01 = The Reporting Limit has been raised to account for matrix interference
R06 = Method Reporting Limit raised to correlate to batch QC reporting limits
ND = Not detected above method detection limit

A = Exceeds Unrestricted Use SCO
B = Exceeds Protection of Groundwater SCO
C = Exceeds Restricted Commercial Use SCO
D = Exceeds Restricted Industrial Use SCO

Table 13
Summary of Detected Metals and Cyanide - Subsurface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	USCOs	GWSCOs	ISCOs	Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID		
				Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date		
				Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time		
				030-TB-G (6-8)			031-TB-U (7-9)			032-TB-T (11-12)			033-TB-J (6-7)			034-TB-V (9.5-10.5)			035-TB-K (10-11)			036-DUP3 (9-11)			037-TBAA (10-11)			038-TB-BB (9-11)			039-TB-CC (9-11.4)			040-TB-DD (5-7)		
				3/31/2016			3/31/2016			3/31/2016			3/31/2016			3/31/2016			3/31/2016			4/1/2016			4/4/2016			4/1/2016			4/1/2016			4/1/2016		
				14:55			15:30			16:30			16:30			18:10			19:45			16:15			17:05			16:15			15:30			20:00		
Aluminum	NS	NS	NS	4370			4820			3860			3500			3670			4260			5820	J		8520	J		5490	J		4220	J		5630	J	
Antimony	NS	NS	NS	ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J	
Arsenic	13	16	16	3.98			5.17			3.8			3.29			4.01			3.93			2.61			2.41			2.49			1.67			2.97		
Barium	350	820	10000	29.8	J		23.2	J		15.2	J		17.6	J		12.7	J		17.5	J		16.3	J		64	J		15.8	J		15.5	J		28.2	J	
Beryllium	7.2	47	2700	0.334	J		0.326	J		0.227	J		0.323	J		0.223	J		0.258	J		0.291	J		0.403	J		0.274	J		0.213	J		0.279	J	
Cadmium	2.5	7.5	60	0.215	J		0.137	J		0.245	J		0.277	J		0.114	J		0.127	J		0.321	J		ND	J		0.304	J		0.0583	J		ND	J	
Calcium	NS	NS	NS	158000	GS1, D		173000	GS1, D		149000	GS1, D		203000	GS1, D		120000	GS1, D		139000	GS1, D		43500	GS1, D		87100	GS1, D		39500	GS1, D		31500	GS1, D		20100		
Chromium	30	NS	6800	5.38			6.52			5.27			5.42			7.18			6.08			10.7	J		14.4	J		8.87	J		6.57	J		9.18	J	
Cobalt	NS	NS	NS	3.12	J-		4.01	J-		3.16	J-		2.33	J-		4.29	J-		3.07	J-		4.98	J		4.36	J		4.85	J		3.52	J		4.91	J	
Copper	50	1720	10000	9.42			8.96			7.82			7.03			13.4			14.5			16	J		12.2	J		17.3	J		9.78	J		12.3	J	
Iron	NS	NS	NS	11900	J		9290	J		7860	J		9190	J		6740	J		7940	J		10400	J		10900	J		10100	J		6900	J		10100	J	
Lead	63	450	3900	8.63	J		17	J		8.08	J		9.16	J		6.93	J		6.68	J		4.9	J		4.34	J		4.64	J		4.01	J		5.24	J	
Magnesium	NS	NS	NS	21700	GS1, D		31600	GS1, D		21000	GS1, D		20000	GS1, D		20100	GS1, D		22500	GS1,D		16000	J		19900	J		14400	J		11300	J		12300	J	
Manganese	1600	2000	10000	401	J-		294	J-		490	J-		284	J-		359	J-		337	J-		270	J		316	J		258	J		199	J		321	J	
Mercury	0.18	0.73	5.7	ND			ND			ND			ND			ND			ND			0.0118	J		ND			0.016	J		ND			ND		
Nickel	30	130	10000	6.35	J-		8.53	J-		9.06	J-		36.4	J-	A	77.1	J-	A	7.48	J-		15.6	J		10.3	J		14.6	J		7.92	J		11.2	J	
Potassium	NS	NS	NS	2310	J		3110	J		1890	J		2190	J		1870	J		2290	J		2250	J		2130	J		2240	J		945	J		1030	J	
Silver	2	8.3	6800	0.268	J-		0.239	J-		0.173	J-		0.176	J-		0.466	J-		0.29	J-		0.27	J		0.242	J		0.307	J		ND			0.215	J	
Selenium	3.9	4	6800	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND			ND		
Sodium	NS	NS	NS	158			228			220			382			182			256			185			288			189			134			109		
Vanadium	NS	NS	NS	7.88			6.56			6.46			5.97			5.98			8.11			11.8			20.1			10.9			10.2			11		
Zinc	109	2480	10000	38.8	J-		9.31	J-		12.7	J-		119	J-	A	274	J-	A	21.9	J-		891		A	22.5			614		A	21.6			29.3		
Cyanide	27	40	10000	ND			0.711			ND			0.464	J		ND			ND			ND			ND			ND			ND			ND		

Compound	USCOs	GWSCOs	ISCOs	Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID		
				Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date		
				Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time		
				041-TB-S (6.5-7.5)			042-TB-Q (10-11)			043-DUP4			044-TB-A (4.5-7.5)			045-TB-B (4-6)			046-TB-C (4-6)			047-TB-D (9-12)			048-TB-E (5-7)			049-TB-EE (1-4)			050-TB-F (4-7)			051-TB-L (7-9.5)		
				4/1/2016			4/1/2016			4/1/2016			4/1/2016			4/1/2016			4/1/2016			4/1/2016			4/1/2016			4/1/2016			4/1/2016			4/4/2016		
				17:30			19:00			18:30			18:30			20:45			19:10			19:10			20:00			15:05			16:15			17:20		
Aluminum	NS	NS	NS	4700	J		4450	J		7020	J		6540	J		6090	J		7010	J		7350	J		5420	J		8360	J		5340	J		7020	J	
Antimony	NS	NS	NS	ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J	
Arsenic	13	16	16	2.34			2.96			5.05			4.96			5.82			3.74			3.29			3.88			4.23			1.83			2.69		
Barium	350	820	10000	14.2	J		24.5	J		36.5	J		32.6	J		54.3	J		41.3	J		51.1	J		22.3	J		74.8	J		34.1	J		41.1	J	
Beryllium	7.2	47	2700	0.248	J		0.232	J		0.371	J		0.353	J		0.308	J		0.35	J		0.351	J		0.256	J		0.414	J		0.258	J		0.308	J	
Cadmium	2.5	7.5	60	0.038	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		2.14	J		0.101	J		ND	J	
Calcium	NS	NS	NS	27300			65300	GS1, D		20800	J		24500	J		24700	J		3980	J		57900	J		27700	J		10000	J		18500	J		79400	J	
Chromium	30	NS	6800	154	J	A	7.25	J		11.7	J		10.9	J		9.87	J		11	J		12.2	J		8.76	J		92.4	J	A	10.2	J		12.8	J	
Cobalt	NS	NS	NS	3.87	J		3.51	J		6.13	J		5.7	J		6.32	J		6.05	J		5.09	J		3.72	J		5.44	J		5	J		3.93	J	
Copper	50	1720	10000	5.65			5.21			51.5			8.37			5.41	J		6.28	J		6.87	J		4.68	J		55.5	J		4.44	J		3.46	J	
Iron	NS	NS	NS	9700	J		7720	J		15100	J		14100	J		11900	J		14700	J		12300	J		9600	J		14700	J		10400	J		10900	J	
Lead	63	450	3900	4.62	J		3.63	J		5.97	J		6.56	J		8.63	J		17	J		8.08	J		9.16	J		6.93	J		6.68	J		4.9	J	
Magnesium	NS	NS	NS	13300	J		13100	J		12100	GS1, D		12700	GS1, D		12600	GS1,D		3060			14400	GS1, D		11900	GS1, D		3840			11400	GS1, D		17300	GS1, D	
Manganese	1600	2000	10000	207	J		269	J		200	J		209	J		404	J		187	J		305	J		192	J		228	J		198	J		310	J	
Mercury	0.18	0.73	5.7	ND			ND			0.013	J		0.0126	J		ND			ND			ND			ND			0.0667			0.0134	J		ND		
Nickel	30	130	10000	9.19	J		7.03	J		14.4	J		13.9	J		13	J		13.7	J		11.6	J		10.3	J		119	J	A	45.7	J	A	10	J	
Potassium	NS	NS	NS	1250	J		1350	J		1200	J		1140			955	J		1100	J		1760	J		1050	J		1710	J		1040	J		1680	J	
Silver	2	8.3	6800	0.207	J		0.192	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		ND	J		0.212	J	
Selenium	3.9	4	6800	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND			ND		
Sodium	NS	NS	NS	242			156			110			113			105			90.2			192			1490			524			123			261		
Vanadium	NS	NS	NS	10.4			10.7			16	J		15	J		13.4	J		15.4	J		15	J		11.6	J		17	J		11.2	J		17.1	J	
Zinc	109	2480	10000	24.9			15.1			35.7			36			33.2			35.3			32.7			28.1			2080	GS1, D	A	230		A	21.6		
Cyanide	27	40	10000	ND			ND			ND			ND			ND			ND			ND			ND			ND			0.678			ND		

Compound	USCOs	GWSCOs	ISCOs	Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID			Sample ID		
				Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date			Sample Date		
				Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time			Sample Time		
				052-TB-H-1 (9.2-11.2)			054-TB-W-1 (0-4)			055-TB-R-1 (8-10)			056-TB-M-1 (8-11.7)			057-TB-N-1 (6-8.5)			058-TB-O-1 (8-11.8)			059-TB-I-1 (0-4)			060-TB-P-1 (8-11.8)											
				4/6/2016			4/6/2016			4/6/2016			4/6/2016			4/6/2016			4/6/2016			4/6/2016			4/6/2016											
				10:30			10:50			11:20			11:45			12:10			12:45			13:10			14:00											
Aluminum	NS	NS	NS	4510			14700	R01,D		5780			5170			5220			5330			6480			5460											
Antimony	NS	NS	NS	ND			1.17	J		ND			ND			ND			ND			ND			ND											
Arsenic	13	16	16	2.13			10.9	R01,J,D		4.02			6.74			2.82			3.04			9.26			3.83											
Barium	350	820	10000	26.8			197	R01,D		34.8			134			24			27.7			49.5			29.0											
Beryllium	7.2	47	2700	0.195	J		1.78	R01,J,D		0.263	J		0.266	J		0.228	J		0.245	J		0.301	J		0.282	J										
Cadmium	2.5	7.5	60	0.0708	J		0.538	J		0.121	J		0.356	J		0.125	J		0.116	J		0.287	J		0.602											
Calcium	NS	NS	NS	67400	J		50400	J		49900	J		82000	J		50700	J		51200	J		8220	J		118000	J										
Chromium	30	NS	6800	5.58			38.4	R01,D	A	8.71			36.2		A	8.28			8.46			10.8			7.98											
Cobalt	NS	NS	NS	2.68			9.33	R01,J,D		4.31			4.38			4.2			4.2			4.44			3.55											
Copper	50	1720	10000	7.53	J-		548	J-	A	19	J-		190	J-	A	13.1	J-		10.8	J-		35.8	J-		9.64	J-										
Iron	NS	NS	NS	7870	J		11800	J		10700	J		10800	J		10600	J		11300	J		12100	J		9890	J										
Lead	63	450	3900	3.53			247	R01,D	A	10.7			345		A	5.65			5.21			51.5			8.37											
Magnesium	NS	NS	NS	15300	J		11300	J		13200	J		22700	J		16300	J		14900	J		3860	J		17600	J										
Manganese	1600	2000	10000	284	J		472	J		275	J		274	J		250	J		289	J		243	J		272	J										
Mercury	0.18	0.73	5.7	ND			0.111			0.0214	J		0.0443			ND			ND			0.136			ND										
Nickel	30	130	10000	8.3			831	GS1,D	AB	9.99			27.7			11.9			9.97			11.4			8.54											
Potassium	NS	NS	NS	1460	J		1380	J		1310	J		1250	J		1090	J		1160	J		790	J		1940	J										
Silver	2	8.3	6800	0.212	J		ND			0.317	J		0.576	J		0.274	J		0.285	J		0.675	J		0.268	J										
Selenium	3.9	4	6800	ND			ND			ND			0.438	J		ND			ND			0.459	J		ND										
Sodium	NS	NS	NS	132			233	R01,J,D		141			145			391			151			60.3	U		159										
Vanadium	NS	NS	NS	8			20	R01,J,D		11.2			10.8			10.3			10.9			12.9			9.49										
Zinc	109	2480	10000	19.3		A	160		A	33.1			186		A	30.3			27			86.8			27.6										
Cyanide	27	40	10000	0.393	J		7			0.46	J		ND			ND			ND			ND			ND										

Notes:
Concentration in mg/kg or parts per million (ppm)
USCOs = Unrestricted Soil Cleanup Objectives
GWSCOs = Protection of Groundwater Soil Cleanup Objectives
ISCOs = Restricted Industrial Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
NS = No Standard Available

GS1 = Sample dilution required for high concentration of target analytes to be within the intstrument calibration range
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
+ = Estimated concentration is biased high
- = Estimated concentration is biased low
D = Data reported from a dilution
R01 = The Reporting Limit has been raised to account for matrix interference
ND = Not detected above method detection limit
A = Exceeds Unrestricted Use SCO
B = Exceeds Protection of Groundwater SCO
C = Exceeds Restricted Industrial Use SCO

Table 14
Summary of Detected PCBs and Pesticides - Surface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	USCOs	GWSCOs	CSCOs	ISCOs	Sample ID / Sample Date / Sample Time													
					002-SS-3 (0-1)	003-SSE-1 (0-0.18)	006-SSE-3 (0-0.18)	010-SSE-5 (0-0.18)	012-MW-1R (0-1)	017-TB-H (0-1)	018-MW-19 (0-1)	019-SS-5 (0-1)	DUP1-02-09-2016	024-SSE-2 (0-0.18)	027-TB-Y (0.8)	028-TB-Z (0.6)	029-TB-X (0.8)	104-SS-7 (0-7)
					2/8/2016	2/8/2016	2/8/2016	2/8/2016	2/8/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/12/2016	3/29/2016	3/29/2016	3/29/2016	7/26/2016
					11:20	11:55	13:12	14:10	14:47	8:57	8:55	10:15	10:15	10:50	11:30	11:45	12:00	14:15
Pesticides																		
Dieldrin	0.005	0.1	1.4	2.8	0.00431 J	ND	ND	0.032 A	ND	ND	ND	ND	ND	ND	NT	NT	NT	0.0319
4,4'-DDE(p,p')	0.0033	17	62	120	0.00197 J	ND	ND	0.0125 A	ND	ND	ND	0.00151 J	0.00133 J	ND	NT	NT	NT	ND
4,4'-DDT(p,p')	0.0033	136	47	94	0.0122 A	ND	0.0033 J	0.0084 J A	ND	ND	ND	0.00181 J	0.00327 J	ND	NT	NT	NT	0.0461
Heptachlor epoxide [2C	NS	0.02	NS	NS	ND	ND	ND	0.0065	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
alpha-Chlordane	NS	NS	NS	NS	0.00424 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
gamma-Chlordane[2C]	NS	14	NS	NS	0.0017 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Chlordane[2C]	0.094	2.9	24	47	0.0196 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
PCBs																		
Aroclor-1254	NS	NS	NS	NS	ND	ND	ND	ND	ND	0.13	ND	ND	ND	ND	1.4	0.092	0.064	0.189
Aroclor-1260	NS	NS	NS	NS	0.0365	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.369	ND	ND	0.0663
Total PCBs	0.1	3.2	1	25	0.0365	ND	ND	ND	ND	0.13 A	ND	ND	ND	ND	1.769 AC	0.092	0.064	0.2553 A

Notes:
PCBs = Polychlorinated Biphenyls
Concentration in mg/kg or parts per million (ppm)
USCOs = Unrestricted Soil Cleanup Objectives
GWSCOs = Protection of Groundwater Soil Cleanup Objectives
ISCOs = Restricted Industrial Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
NS = No Standard Available

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
D = Data reported from a dilution
ND = Not detected above method detection limit
NT = Not tested
A = Exceeds Unrestricted Use SCO
B = Exceeds Protection of Groundwater SCO
C = Exceeds Restricted Commercial Use SCO
D = Exceeds Restricted Industrial Use SCO

Table 15
Summary of Detected PCBs and Pesticides - Subsurface Soil Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	USCOs	GWSCOs	ISCOs	030-TB-G (6-8)	031-TB-U (7-9)	032-TB-T (11-12)	033-TB-J (6-7)	034-TB-V (9.5-10.5)	035-TB-K (10-11)	036-DUP3 (9-11)	037-TBAA (10-11)	038-TB-BB (9-11)	039-TB-CC (9-11.4)	040-TB-DD (5-7)	041-TB-S (6.5-7.5)	042-TB-Q (10-11)	043-DUP4	044-TB-A (4.5-7.5)	045-TB-B (4-6)
Sample Date				3/31/2016	3/31/2016	3/31/2016	3/31/2016	3/31/2016	3/31/2016	4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/4/2016	4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/1/2016
Sample Time				14:55	15:30	16:30	17:30	18:10	19:45	16:15	17:05	16:15	15:30	20:00	17:30	19:00	18:30	18:30	20:45
Pesticides																			
Dieldrin	0.005	0.1	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE(p,p')	0.0033	17	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT(p,p')	0.0033	136	94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide [2C]	NS	0.02	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane[2C]	NS	14	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane[2C]	0.094	2.9	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs																			
Aroclor-1254	NS	NS	NS	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254 [2C]	NS	NS	NS	ND J	ND	ND	ND	ND	ND	0.0351	ND	0.086	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	NS	NS	NS	ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	3.2	25	ND J	ND	ND	ND	ND	ND	0.0351	ND	0.086	ND	ND	ND	ND	ND	ND	ND

Compound	USCOs	GWSCOs	ISCOs	046-TB-C (4-6)	047-TB-D (9-12)	048-TB-E (5-7)	049-TB-EE (1-4)	050-TB-F (4-7)	051-TB-L (7-9.5)	)53-TB-H-1 (9.2-11.2	054-TB-W-1 (0-4)	055-TB-R-1 (8-10)	)56-TB-M-1 (8-11.7)	057-TB-N-1 (6-8.5)	)58-TB-O-1 (8-11.8)	059-TB-I-1 (0-4)	)60-TB-P-1 (8-11.8)	061-FB-04-06-2016
Sample Date				4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/1/2016	4/4/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016
Sample Time				19:10	19:10	20:00	15:05	16:15	17:20	10:30	10:50	11:20	11:45	12:10	12:45	13:10	14:00	12:30
Pesticides																		
Dieldrin	0.005	0.1	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE(p,p')	0.0033	17	120	ND	ND	ND	ND	ND	ND	ND	0.0276	ND	ND	ND	ND	0.0023 J	ND	ND
4,4'-DDT(p,p')	0.0033	136	94	ND	ND	ND	ND	ND	ND	ND	0.0381 J	ND	ND	ND	ND	0.0028 J	ND	ND
Heptachlor epoxide [2C]	NS	0.02	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane[2C]	NS	14	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane[2C]	0.094	2.9	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs																		
Aroclor-1254	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0237	ND	ND	ND	ND	ND
Aroclor-1254 [2C]	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	0.666	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	0.221	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	3.2	25	ND	ND	ND	ND	ND	ND	ND	0.887 A	ND	0.0237	ND	ND	ND	ND	ND

Notes:
PCBs = Polychlorinated Biphenyls
Concentration in mg/kg or parts per million (ppm)
USCOs = Unrestricted Soil Cleanup Objectives
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ISCOs = Restricted Industrial Soil Cleanup Objectives
Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006
NS = No Standard Available

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
ND = Not detected above method detection limit
A = Exceeds Unrestricted Use SCO
B = Exceeds Protection of Groundwater SCO
C = Exceeds Restricted Industrial Use SCO

Table 16
Summary of Detected VOCs - Overburden Groundwater Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	MW-1		MW-3		MW-5			MW-6			MW-8		
Sample ID		084-MW-1	105-MW-1	075-MW-3	106-MW-3	077-MW-5	107-MW-5	147-MW-5	082-MW-6	108-MW-6	148-MW-6	063-MW-8	109-MW-8	149-MW-8
Date		5/27/2016	10/12/2016	5/26/2016	10/12/2016	5/26/2016	10/12/2016	4/24/2017	5/27/2016	10/12/2016	4/24/2017	5/23/2016	10/12/2016	4/24/2017
Sample Time		13:00	12:50	11:00	11:35	14:15	11:00	14:15	9:50	10:50	14:25	16:25	10:30	14:35
Acetone	50	ND	3.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	0.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	3.3	1.4 J	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	25.5 D X	54.8 X	31 D X	6.9 X	40500 D X	738 D X	3410 D X	79.4 D X	15.0 X	113 D X	2500 D X	607 D X	1000 D X
trans-1,2-Dichloroethene	5	0.7 J	1.0	1.1	0.3 J	ND	5.8 JD X	ND	ND	0.4 J	ND	16.5 JD X	16.0 JD X	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	6.4 D X	2.9	3.6 JD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	0.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	0.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	83.4 D X	99.2 X	83.4 D X	12.3 X	255 JD X	ND	ND	1.9	1.1	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ND	0.7 J	1.6	3.1 X	2220 D X	63.8 D X	539 D X	135 D X	31.5 X	71.8 JD X	1900 D X	2630 D X	643 D X
m,p-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND	ND	ND	ND	ND	ND	6.0 J	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanol	NS	ND J	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND	ND J	ND UJ	ND	ND J	ND UJ	ND
Total VOCs	NS	116	163.5	120.7	22.6	42975	807.6	3949	219.6	55.4	184.8	4416.5	3253	1643
TICs														
Total TICs	NS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total VOCs and TICs	NS	116	163.5	120.7	22.6	42975	807.6	3949	219.6	55.4	184.8	4416.5	3253	1643

Compound	TOGS 1.1.1	MW-9		MW-10		MW-12		MW-13	MW-16		MW-17		
Sample ID		102-MW-9	110-MW-9	071-MW-10	111-MW-10	069-MW-12	112-MW-12	065-MW-13	089-MW-16	113-MW-16	095-MW-17	100-MW-17 (LNAPL)	132-MW-17
Date		7/13/2016	10/12/2016	5/25/2016	10/12/2016	5/25/2016	10/12/2016	5/24/2016	5/31/2016	10/12/2016	6/1/2016	6/29/2016	10/12/2016
Sample Time		11:00	10:10	14:40	9:25	12:10	9:15	13:00	15:00	10:25	12:45	9:55	12:55
Acetone	50	ND	6.8 J	ND	ND	ND	7.2 J	ND	ND	ND	5.8 J	ND	ND
Benzene	1	ND	ND	ND	ND	0.3 J	ND	ND	ND	ND	0.3 J	ND	0.6 J
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	1.1
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	0.8 J
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND	0.8 J
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	2.4 JD	ND	0.3 J	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	5 D X	ND	ND	0.0541 JD	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	0.7 J	0.6 J	1.1	0.9 J	27.8 D X	17.8 X	7.5 X	186 D X	257 D X	3.8	ND	2.9
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	1.2	0.6 J	ND	9.6 D X	30.8 D X	0.5 J	ND	1.1
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	0.6 J
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4	0.0412 JD	9.1
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4 J	ND	0.6 J
Tetrachloroethene	5	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	18.6 D X	4.2	18.8 X	286 D X	48.5 D X	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0149 JD	0.5 J
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	45.3 X	37.3 X	4.5 X	1.9	105 D X	57.3 X	ND	23.4 D X	46.6 D X	48.3 X	ND	293 D X
m,p-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	50	ND	ND	ND	ND	ND	ND	ND	5.3 JD	ND	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7 J
Ethanol	NS	ND	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND J	ND UJ	ND J	ND	ND UJ
Total VOCs	NS	46	44.7	5.6	2.8	153.9	87.1	26.3	517.7	382.9	64.9	0.1102	315.8
TICs													
Total TICs	NS	0	0	0	0	0	0	0	0	0	70	0.171	204
Total VOCs and TICs	NS	46	44.7	5.6	2.8	153.9	87.1	26.3	517.7	382.9	134.9	0.1102	315.8

Notes
Concentration in µg/L or parts per billion (ppb)
TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
NS = No Standard Available
TICS = Tentatively Identified Compounds
VOCs = Volatile Organic Compounds
X = Exceeds Groundwater Standard of Guidance Value
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
D = Data reported from a dilution
U = The compound was analyzed for, but not detected above the Practical Quantitation Limit/Contract Required Quantitation Limit. The sample specific quantitation limit reported has been corrected for dilution and percent moisture
ND = Not detected above method detection limit

Table 16 (continued)
Summary of Detected VOCs - Overburden Groundwater Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	MW-18				MW-19		MW-B		MW-D		MW-G	
Sample ID		090-MW-18	086-DUP6	118-MW-18	150-MW-18	066-MW-19	115-MW-19	092-MW-B	116-MW-B	088-MW-D	117-MW-D	078-MW-G	118-MW-G
Date		5/31/2016	5/31/2016	10/12/2016	4/24/2017	5/24/2016	10/12/2016	6/1/2016	10/12/2016	5/31/2016	10/12/2016	5/26/2016	10/12/2016
Sample Time		11:20	11:20	13:35	14:50	16:00	13:20	10:55	13:50	14:40	13:55	16:05	13:35
Acetone	50	ND	ND	ND	ND	ND	5.8 J	14.8	ND	ND	4.5 J	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4 JD
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6 JD
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4 JD
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	0.9 J	1.8	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	379 D X	414 D X	144 D X	ND	13.3 X	9.4 X	33.2 X	69.5 D X	45.1 X	47.0 X	37.8 D X	58.9 D X
trans-1,2-Dichloroethene	5	ND	ND	2.5 JD	ND	0.4 J	ND	0.7 J	ND	1.2	0.9 J	2.2 JD	2.8 JD
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7 JD
Tetrachloroethene	5	ND	ND	ND	ND	3.4	ND	7.4 X	7.2 D X	1.3	ND	5.9 D X	4.0 JD
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	10 JD X	ND	ND	ND	20 X	6.9 X	85.6 X	113 D X	86 D X	96.9 X	116 D X	199 D X
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND
Vinyl chloride	2	1100 D X	1170 D X	1260 D X	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanol	NS	ND J	ND J	ND UJ	ND	ND UJ	ND UJ	69.1 J	ND UJ	ND J	ND UJ	ND UJ	ND UJ
Total VOCs	NS	1489	1584	1406.5	0	37.1	22.1	210.8	189.7	136.8	151.1	161.9	278.8
TICs													
Total TICs	NS	0	0	0	0	0	0	0	0	0	0	0	0
Total VOCs and TICs	NS	1489	1584	1406.5	0	37.1	22.1	210.8	189.7	136.8	151.1	161.9	278.8

Compound	TOGS 1.1.1	MW-H		MW-M		MW-P		MW-Q				MW-FF		MW-II
Sample ID		074-MW-H	119-MW-H	076-MW-M	120-MW-M	081-MW-P	121-MW-P	087-MW-Q	130-MW-Q	131-DUP8	146-MW-Q	143-MW-FF	144-DUP9	145-MW-II
Date		5/26/2016	10/12/2016	5/26/2016	10/12/2016	5/27/2016	10/12/2016	5/31/2016	10/12/2016	10/12/2016	4/24/2017	4/24/2017	4/24/2017	4/24/2017
Sample Time		10:55	11:45	13:00	11:15	11:30	9:05	11:30	10:45	10:45	13:40	10:15	10:15	12:15
Acetone	50	77.7 D X	ND	ND	ND	ND	ND	4.7 J	9.6 J	4.0 J	ND	ND	ND	ND
Benzene	1	1.2 JD X	ND	0.2 J	0.4 J	ND	ND	0.8 J	0.6 J	0.6 J	0.49 J	ND	ND	0.49 J
2-Butanone (MEK)	50	15.7 JD	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	3	2.6	2.5	2.30	ND	ND	3.05
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	4.3	3.2	3.3	3.26	ND	ND	3.80
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	1	0.9 J	0.9 J	0.53 J	ND	ND	0.58 J
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	0.4 J	0.4 J	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	0.3 J	ND	0.4 J	0.32 J	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	0.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	350 D X	494 D X	43.4 X	12 X	3	6.7 X	70 X	17.2 X	18.4 X	31.5 X	2130 D X	2320 D X	15.2 X
trans-1,2-Dichloroethene	5	ND	ND	1.2	0.8 J	ND	ND	1.5	1.3	1.3	2.03	19.8 JD X	20.5 JD X	2.80
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	3.1	2.2	2.4	2.62	ND	ND	2.36
4-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	0.7 J	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	2.6	1 J+	0.8 J	0.76 J	ND	ND	2.16
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	2.9	2.2	2.2	2.32	ND	ND	1.62
Tetrachloroethene	5	ND	ND	1.4	ND	18.5 X	13.9 X	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	0.6 J	0.4 J	0.4 J	ND	ND	ND	0.75 J
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND	ND	ND	ND	ND
1,3,5-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	0.3 J+	ND	ND	ND	ND	ND
Trichloroethene	5	7.4 D X	ND	82 X	2.6	8.8 X	15.3 X	4.1	1.2	1.2	1.93	128 D X	122 D X	86.3 X
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	0.6 J	0.6 J	0.6 J	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	0.4 J	0.5 J	ND	ND	ND	ND	ND
Vinyl chloride	2	4.2 JD X	164 D X	21.8 X	5.1 X	ND	ND	13.7 X	42.4 J+ X	54.7 X	21.7 J X	2920 J+D X	3880 J+D X	6.22 J X
m,p-Xylene	5	ND	ND	ND	ND	ND	ND	0.5	0.5 J	ND	ND	ND	ND	0.58 J
o-Xylene	5	ND	ND	ND	ND	ND	ND	0.5	0.5 J	ND	0.37 J	ND	ND	0.35 J
Tetrahydrofuran	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND	ND	ND	ND	ND	9.4 J	ND	ND	ND	ND	ND.
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.87	ND	ND	5.34
Total Xylenes	NS	ND	ND	ND	ND	ND	ND	0.9 J	1.0	ND	0.37 J	ND	ND	0.93 J
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	8.4	7.2	8.0	8.21	ND	ND	11.7
Ethanol	NS	ND UJ	ND UJ	ND UJ	ND UJ	ND J	ND UJ	ND J	ND UJ	ND UJ	ND	ND	ND	ND
Total VOCs	NS	456.2	658	150.4	22.3	30.3	35.9	125.2	106.6	101.7	82.21	5197.8	6342.5	143.30
TICs														
Total TICs	NS	0	0	0	0	0	0	118.6	86.3	95.4	99.7	0	0	69.3
Total VOCs and TICs	NS	456.2	658	150.4	22.3	30.3	35.9	243.8	192.9	197.1	181.91	5197.8	6342.5	212.60

<u>Notes</u>
Concentration in µg/L or parts per billion (ppb)
TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
NS = No Standard Available
TICS = Tentatively Identified Compounds
VOCs = Volatile Organic Compounds
X = Exceeds Groundwater Standard of Guidance Value
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
D = Data reported from a dilution
U = The compound was analyzed for, but not detected above the Practical Quantitation Limit/Contract Required Quantitation Limit. The sample specific quantitation limit reported has been corrected for dilution and percent moisture
ND = Not detected above method detection limit
+ = Estimated concentration is biased high

Table 17
Summary of Detected VOCs - Bedrock Groundwater Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Well ID																															
		Sample ID																															
		Date																															
		Sample Time																															
		MW-1R						MW-3R									MW-7R						MW-10R						MW-12R					
		083-MW-1R			122-MW-1R			072-MW-3R			073-DUP5			123-MW-3R			062-MW-7R			124-MW-7R			070-MW-10R			125-MW-10R			068-MW-12R			126-MW-12R		
		5/27/2016			10/12/2016			5/26/2016			5/26/2016			10/12/2016			5/23/2016			10/12/2016			5/25/2016			10/12/2016			5/25/2016			10/12/2016		
		12:55			12:35			8:55			8:55			11:25			16:26			10:20			13:30			9:50			12:00			9:40		
Acetone	50	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND			3.8	J	
Benzene	1	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND			0.7	J	
1,1-Dichloroethene	5	ND			ND			ND			ND			ND			2	JD		ND			ND			ND			ND			ND		
cis-1,2-Dichloroethene	5	8.7		X	8.0		X	38.2	D	X	36.5	D	X	41.8	D	X	290	D	X	543	D	X	74.8	D	X	52.6		X	ND			0.3	J	
trans-1,2-Dichloroethene	5	ND			ND			ND			1.7	JD		ND			ND			ND			1.8	JD		1.3			ND			ND		
Tetrachloroethene	5	0.7	J		ND			5	D		3.8	JD		ND			ND			ND			ND			ND			ND			ND		
Toluene	5	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND			0.4	J	
Trichloroethene	5	10.9		X	11.3		X	119	D	X	115	D	X	145	D	X	156	D	X	400	D	X	3.6	JD		0.9	J		ND			ND		
Vinyl chloride	2	ND			ND			ND			ND			ND			60.4	D	X	230	D	X	96.6	D	X	314	D	X	ND			ND		
m,p-Xylene	5	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND			0.5	J	
Total Xylenes	NS	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND			0.5	J	
Total VOCs	NS	20.3			19.3			162.2			157			186.8			508.4			1173			176.8			368.8			0			6.2		
TICs																																	
Total TICs	NS	0			0			0			0			0			0			0			0			0			0			0		
Total VOCs and TICs	NS	20.3			19.3			162.2			157			186.8			508.4			1173			176.8			368.8			0			6.2		

Compound	TOGS 1.1.1	Well ID																															
		Sample ID																															
		Date																															
		Sample Time																															
		MW-13R						MW-19R																									
		064-MW-13R			127-MW-13R			067-MW-19R			128-MW-19R			129-DUP7																			
		5/24/2016			10/12/2016			5/24/2016			10/12/2016			10/12/2016																			
		12:30			12:10			16:40			13:10			13:10																			
Acetone	50	ND			ND			ND			ND			ND																			
Benzene	1	ND			ND			ND			ND			ND																			
1,1-Dichloroethene	5	ND			ND			ND			ND			ND																			
cis-1,2-Dichloroethene	5	2			0.6	J		0.4	J		ND			ND																			
trans-1,2-Dichloroethene	5	ND			ND			ND			ND			ND																			
Tetrachloroethene	5	0.7	J		ND			2.7			ND			ND																			
Toluene	5	0.4	J		ND			0.4	J		ND			ND																			
Trichloroethene	5	1.2			ND			1.3			ND			0.5	J																		
Vinyl chloride	2	ND			ND			ND			ND			ND																			
m,p-Xylene	5	0.3	J		ND			0.4	J		ND			ND																			
Total Xylenes	NS	0.3	J		ND			0.4	J		ND			ND																			
Total VOCs	NS	4.9			0.6			5.6			0			0.5																			
TICs																																	
Total TICs	NS	0			0			0			0			0																			
Total VOCs and TICs	NS	4.9			0.6			5.6			0			0.5																			

Notes
Concentration in µg/L or parts per billion (ppb)

TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
NS = No Standard Available
VOCs = Volatile Organic Compounds
X = Exceeds Groundwater Standard or Guidance Value
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
D = Data reported from a dilution
ND = Not detected above method detection limit

Table 18
Summary of Detected SVOCs - Overburden Groundwater Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID	063-MW-8	065-MW-13	066-MW-19	069-MW-12	071-MW-10	075-MW-3	076-MW-M	077-MW-5	078-MW-G	081-MW-P	082-MW-6
		Sample Date	5/23/2016	5/24/2016	5/24/2016	5/25/2016	5/25/2016	5/26/2016	5/26/2016	5/26/2016	5/26/2016	5/27/2016	5/27/2016
		Sample Time	16:25	13:00	16:00	12:10	14:40	11:00	13:00	14:15	16:05	11:30	9:50
Acenaphthene	20		ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS		ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50		ND J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3 & 4-Methylphenol	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	ND
Naphthalene	10		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	NS		0	0	0	0	0	0	0	0	0	0	0
TICS													
Total TICs	NS		0	0	0	0	0	0	0	12	0	0	0
Total SVOCs & TICs	NS		0	0	0	0	0	0	0	12	0	0	0

Compound	TOGS 1.1.1	Sample ID	084-MW-1	086-DUP6	087-MW-Q	130-MW-Q	131-DUP8	088-MW-D	089-MW-16	090-MW-18	092-MW-B	095-MW-17	132-MW-17	102-MW-9
		Sample Date	5/27/2016	5/31/2016	5/31/2016	10/12/2016	10/12/2016	5/31/2016	5/31/2016	5/31/2016	6/1/2016	6/1/2016	10/12/2016	6/13/2016
		Sample Time	13:00	11:20	11:30	10:45	10:45	14:40	15:00	11:20	10:55	12:45	12:55	11:00
Acenaphthene	20		ND	ND	ND	1.99 J	1.83 J	ND	ND	ND	ND	1.28 J	3.25 J	ND
4-Chloro-3-methylphenol	NS		ND	ND	4.87 J	2.38 J	2.53 J	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS		ND	ND	1.75 J	1.24 J	1.29 J	ND	ND	ND	ND	ND	1.66 J	ND
Fluorene	50		ND	ND	3 J	2.28 J	2.36 J	ND	ND	ND	ND	2.01 J	5.37	ND
2-Methylnaphthalene	NS		ND	ND	ND	ND	ND	ND	ND	ND	ND	3.66 J	12.3	ND
3 & 4-Methylphenol	NS		ND	ND	67.5	10.8	11.6	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.71 J	ND
Phenanthrene	50		ND	ND	3.43 J	3.07 J	3.07 J	ND	ND	ND	ND	2.32 J	7.65	ND
1-Methylnaphthalene	NS		ND	ND	14.9	10.5	11.0	ND	ND	ND	ND	7.85	25.5	ND
Total SVOCs	NS		0	0	95.45	32.26	33.68	0	0	0	0	17.12	58.44	0
TICS														
Total TICs	NS		0	0	151	105.2	104.6	0	0	0	0	144	436	0
Total SVOCs & TICs	NS		0	0	246.45	137.46	138.28	0	0	0	0	161.12	494.44	0

Notes
Concentration in µg/L or parts per billion (ppb)
TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
NS = No Standard Available
SVOCs = Semi-Volatile Organic Compounds
X = Exceeds Groundwater Standard of Guidance Value
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
ND = Not detected above method detection limit

Table 19
Summary of Detected SVOCs - Bedrock Groundwater Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID	Sample Date	Sample Time
		062-MW-7R	5/23/2016	16:26
		064-MW-13R	5/24/2016	12:30
		067-MW-19R	5/24/2016	16:40
		068-MW-12R	5/25/2016	12:00
		070-MW-10R	5/25/2016	13:30
		072-MW-3R	5/26/2016	8:55
		073-DUP5	5/26/2016	8:55
		083-MW-1R	5/27/2016	12:55
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NS	ND J	ND	ND	ND	ND	ND	ND	ND
Fluorene	NS	ND J	ND	ND	ND	ND	ND	ND	ND
3 & 4-Methylphenol	NS	ND J	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND J	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	NS	0	0	0	0	0	0	0	0
TICS									
Total TICs	NS	0	0	0	0	0	0	0	0
Total SVOCs & TICs	NS	0	0	0	0	0	0	0	0

Notes
Concentration in µg/L or parts per billion (ppb)
TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
NS = No Standard Available
SVOCs = Semi-Volatile Organic Compounds
X = Exceeds Groundwater Standard of Guidance Value
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
ND = Not detected above method detection limit

Table 20
Summary of Detected Metals and Cyanide -Overburden Groundwater Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Element	TOGS 1.1.1	Well ID / Sample ID / Sample Date / Sample Time																			
		MW-1			MW-3			MW-5			MW-6			MW-8			MW-9			MW-10		
		084-MW-1			075-MW-3			077-MW-5			082-MW-6			063-MW-8			102-MW-9			071-MW-10		
		5/27/2016			5/26/2016			5/26/2016			5/27/2016			5/23/2016			6/13/2016			5/25/2016		
		13:00			11:00			14:15			9:50			16:25			11:00			14:40		
Aluminum	NS	ND			ND			0.0298	J		ND			0.0192	J		ND			ND		
Antimony	0.003	ND			ND			ND			0.0037	J	X	ND			ND			ND		
Arsenic	0.025	ND			ND			ND			0.03		X	0.0033	J		0.0284		X	0.0129		
Barium	1	0.11			0.138			0.198			0.0765			0.454			0.345			0.194		
Beryllium	0.003	ND			ND			ND			ND			ND			ND			ND		
Cadmium	0.005	ND			ND			ND			ND			0.0002	J		ND			ND		
Calcium	NS	159			146	J+		136	J+		336			124			145			180	J+	
Chromium	0.05	0.0023	J		ND			0.0028	J		0.0026	J		0.0068			ND			0.0317		
Cobalt	NS	0.001	J		0.0034	J		0.0043	J		0.003	J		0.0014	J		ND			0.011		
Copper	0.2	ND			ND			ND			0.0194			0.0024	J		ND			0.0059	J	
Iron	0.3	0.0217	UJ		0.158			1.41		X	0.104	J+		1.67	R06	X	8.18	J+	X	14.3		X
Lead	0.025	ND			ND			ND			ND			ND			ND			ND		
Magnesium	35	54.1		X	45	J+	X	14.9	J+		56.2	J+	X	21.8			39.5		X	48.8	J+	X
Manganese	0.3	0.0218	J		0.0957	J+		0.287	J+		0.642	J	X	0.123			0.225			0.61	J+	X
Mercury	0.0007	ND			ND			ND			ND			ND			ND			ND		
Nickel	0.1	0.0076	J		0.0279			0.0221			0.147		X	0.0102			ND			0.0305		
Potassium	NS	7.81	J+		7.37	J+		34.3	J+		343	J+		85.3	J+		5.28	J+		9.96	J+	
Selenium	0.01	ND			ND			ND			ND			ND			ND			ND		
Silver	0.05	ND			ND			ND			ND			ND			ND			ND		
Sodium	20	277	J+	X	193		X	113		X	193	J+	X	108		X	145	J+	X	110		X
Thallium	0.0005	ND			ND			ND			ND			ND			ND			ND		
Vanadium	NS	ND			ND			ND			0.0025	J		0.0009	J		ND			ND		
Zinc	2	0.0132			0.0495	R06, J+		0.0742	R06, J+		1.49			0.107			ND			ND	R06	
Cyanide (total)	0.2	ND			ND			ND			ND			ND			ND	J		ND		

Element	TOGS 1.1.1	MW-12			MW-13			MW-16			MW-17			MW-18						MW-19		
		069-MW-12			065-MW-13			089-MW-16			095-MW-17			090-MW-18			086-DUP6			066-MW-19		
		5/25/2016			5/24/2016			5/31/2016			6/1/2016			5/31/2016			5/31/2016			5/24/2016		
		12:10			13:00			15:00			12:45			11:20			11:20			16:00		
Aluminum	NS	ND			ND			ND			ND			ND			ND			ND		
Antimony	0.003	ND			ND			ND	UJ		ND			ND			0.0017	UJ		ND		
Arsenic	0.025	ND			ND			ND	UJ		0.0122			0.0069	J+		0.006			ND		
Barium	1	0.412			0.0417			0.116			1.03	J+	X	0.257			0.273			0.15		
Beryllium	0.003	ND			ND			ND			ND			ND			0.0003	UJ		ND		
Cadmium	0.005	ND			0.0009	J		ND	UJ		ND	UJ		ND			0.0003	UJ		ND		
Calcium	NS	208	J+		123			150	J+		283	GS1, D, J+		198	J+		203			149		
Chromium	0.05	0.0373			ND			0.0012	J		0.0044	J		0.0016	J		0.0018	J		ND		
Cobalt	NS	0.0334			0.0008	J		0.0063	J+		ND	UJ		ND	UJ		0.0007	J		0.0013	J	
Copper	0.2	0.0072	J		0.0018	J		0.0014	J		0.002	J		0.0036	J		0.0034	J		0.0032	J	
Iron	0.3	0.749		X	0.0328	R06, J		0.0499			8.44		X	1.68		X	1.79	J+	X	0.0114	R06, J	
Lead	0.025	ND			ND			ND			ND			ND			ND			ND		
Magnesium	35	60.1	J+	X	42.5		X	52	GS1, R06, D, J+	X	89.4	GS1, D	X	34.9	R06, J+		36.2	J+	X	44.3		X
Manganese	0.3	1.47	J+	X	0.0785			0.155	J+		0.105			0.318	J+	X	0.319		X	0.119		
Mercury	0.0007	ND			ND			ND			ND			ND			ND			ND		
Nickel	0.1	0.0811			0.0022	J		0.228		X	0.0752			0.0491			0.05			0.0048	J	
Potassium	NS	92.4	J+		2.73	J+		24.6	J+		160			118	J+		121	J+		5.33	J+	
Selenium	0.01	ND			ND			ND			ND			ND			ND			0.0038	J	
Silver	0.05	ND			ND			ND			ND			ND			ND			ND		
Sodium	20	332		X	32.3		X	282	GS1, D, J+	X	560	GS1, D	X	108	J+	X	114	J+	X	454	GS1, D	X
Thallium	0.0005	ND			ND			ND			ND			ND			ND			ND		
Vanadium	NS	ND			ND			ND	UJ		0.0034	J		ND			0.0008	J		ND		
Zinc	2	0.0275	J+		0.0084			0.0827	J+		0.0033	J		0.422	J+		0.433			0.0035	J	
Cyanide (total)	0.2	ND			ND			ND			0.00985			ND			ND			ND		

Element	TOGS 1.1.1	Well ID / Sample ID / Sample Date / Sample Time																	
		MW-B			MW-D			MW-G			MW-M			MW-P		
		092-MW-B			088-MW-D			078-MW-G			076-MW-M			081-MW-P		
		6/1/2016			5/31/2016			5/26/2016			5/26/2016			5/27/2016		
		10:55			14:40			16:05			13:00			11:30		
Aluminum	NS	ND			ND			ND			0.05			ND		
Antimony	0.003	ND			ND			ND			ND			ND		
Arsenic	0.025	ND			0.0017	J		ND			ND			ND		
Barium	1	0.105	J+		0.0566			0.113			0.188			0.0695		
Beryllium	0.003	ND	UJ		ND			ND			ND			ND		
Cadmium	0.005	ND	UJ		ND			ND	UJ		ND			ND		
Calcium	NS	144	J+		159			148	J+		132	J+		166		
Chromium	0.05	0.0014	J		0.003	J		0.0068	J		0.0047	J		0.0019	J	
Cobalt	NS	ND	UJ		0.001	J		0.0024	J		0.0031	J		ND		
Copper	0.2	0.0027	J		0.0017	J		ND			ND			ND		
Iron	0.3	0.0108	J		0.194	J+		0.0644			1.18		X	0.0225	UJ	
Lead	0.025	ND			ND			ND			ND			ND		
Magnesium	35	42.9			56.8	1, R06, D,	X	48.9	J+	X	34.6	J+		57.5	J+	X
Manganese	0.3	0.0154			0.0532			0.0474	J		0.216	J+		0.0185	J	
Mercury	0.0007	ND			ND			ND			ND			ND		
Nickel	0.1	0.0056			0.0042	J		0.0427			0.0345			0.0044	J	
Potassium	NS	6.12			13.1	J+		7.02	J+		9.86	J+		7.68	J+	
Selenium	0.01	0.0038	J		ND			ND			ND			ND	UJ	
Silver	0.05	ND			ND			ND			ND			ND		
Sodium	20	207		X	241	GS1, D, J+	X	220		X	177		X	228	J+	X
Thallium	0.0005	ND			ND			ND			ND			ND		
Vanadium	NS	0.0008	J		0.0009	J		ND			0.0024	J		ND		
Zinc	2	0.0045	J		0.0059			0.0985	R06		ND	R06, J, U		ND	R06, J+	
Cyanide (total)	0.2	ND			ND			ND			0.0074			ND		

Element	TOGS 1.1.1	MW-Q												MW-FF						MW-II		
		087-MW-Q			130-MW-Q			131-DUP8			146-MW-Q			143-MW-FF			144-DUP9			145-MW-II		
		5/31/2016			10/12/2016			10/12/2016			4/24/2017			4/24/2017			4/24/2017			4/24/2017		
		11:30			10:45			10:45			13:40			10:15			10:15			12:15		
Aluminum	NS	0.149			0.112			0.136			NT			NT			NT			NT		
Antimony	0.003	ND	J		ND			ND			NT			NT			NT			NT		
Arsenic	0.025	0.0046			0.0016	J		0.0023	J		NT			NT			NT			NT		
Barium	1	0.0289			0.0423			0.0442			NT			NT			NT			NT		
Beryllium	0.003	ND			ND			ND			NT			NT			NT			NT		
Cadmium	0.005	ND			ND			ND			NT			NT			NT			NT		
Calcium	NS	5.46			7.48	J+		8.21	J+		NT			NT			NT			NT		
Chromium	0.05	0.0459			0.0198	J+		0.0202	J+		NT			NT			NT			NT		
Cobalt	NS	0.005			0.0026	J		0.0028	J		NT			NT			NT			NT		
Copper	0.2	0.0046	J		ND			ND			NT			NT			NT			NT		
Iron	0.3	0.656	J+	X	0.556	J+	X	0.580	J+	X	NT			NT			NT			NT		
Lead	0.025	0.0033	J		ND			ND			NT			NT			NT			NT		
Magnesium	35	5.94	J+		7.86	J+		8.21	J+		NT			NT			NT			NT		
Manganese	0.3	0.0092	R06		0.0122	J+		0.0122	J+		NT			NT			NT			NT		
Mercury	0.0007	ND			ND	UJ		ND	UJ		NT			NT			NT			NT		
Nickel	0.1	0.0369			0.0306			0.0332			NT			NT			NT			NT		
Potassium	NS	14.2	J+		15.8	J+		16.2	J+		NT			NT			NT			NT		
Selenium	0.01	0.0044	J		ND			ND			NT			NT			NT			NT		
Silver	0.05	ND			ND	UJ		ND	UJ		NT			NT			NT			NT		
Sodium	20	740	GS1, D, J+	X	551	GS1,D	X	585	GS1,D	X	NT			NT			NT			NT		
Thallium	0.0005	ND			ND			ND			NT			NT			NT			NT		
Vanadium	NS	0.0362			0.0197			0.0198			NT			NT			NT			NT		
Zinc	2	0.0077			ND			ND			NT			NT			NT			NT		
Cyanide (total)	0.2	0.738	GS1, D	X	0.342		X	0.326		X	0.257		X	ND			ND			ND		

Notes
Concentration in mg/L or parts per million (ppm)
TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
NS = No Standard Available
X = Exceeds Groundwater Standard of Guidance Value
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
+ = Estimated concentration biased high
- = Estimated concentration biased low
D = Data reported from a dilution
U = The compound was analyzed for, but not detected above the Practical Quantitation Limit/Contract Required Quantitation Limit. The sample specific quantitation limit reported has been corrected for dilution and percent moisture
R06 = Method Reporting Limit raised to correlate to batch QC reporting limits
GS1 = Sample dilution required for high concentration of target analytes to be within the instrument calibration range
ND = Not detected above method detection limit
NT = Sample Not Analyzed for Element

Table 21
Summary of Detected Metals and Cyanide - Bedrock Groundwater Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Element	TOGS 1.1.1	Sample ID																					
		Sample Date																					
		Sample Time																					
		062-MW-7R			064-MW-13R			067-MW-19R			068-MW-12R			070-MW-10R			072-MW-3R			083-MW-1R		
		5/23/2016			5/24/2016			5/24/2016			5/25/2016			5/25/2016			5/26/2016			5/27/2016		
		16:26			12:30			16:40			12:00			13:30			8:55			12:55		
Aluminum	NS	0.0916			0.199			ND			0.05			0.133			0.0828			ND		
Antimony	0.003	ND			ND			ND			ND			ND	UJ		ND			ND		
Arsenic	0.025	ND			ND			0.0033	J		ND			0.0045	J		ND			ND		
Barium	1	0.068			0.016			0.0818			0.074			0.194			0.133			0.0466		
Beryllium	0.003	ND			ND			ND			ND			ND			ND			ND		
Cadmium	0.005	0.0003	J		0.0012	J		ND			ND			ND			ND			ND		
Calcium	NS	175			140			240			88.8	J+		150	J+		146	J+		175		
Chromium	0.05	0.001	J		0.0007	J		0.0008	J		0.0017	J		0.002	J		0.0016	J		ND		
Cobalt	NS	0.001	J		0.0005	J		0.0003	J		ND			ND			0.0023	J		ND		
Copper	0.2	0.0026	J		0.0028	J		0.0022	J		ND			0.0029	J		ND			ND		
Iron	0.3	3.98	R06, J	X	26.8	R06	X	2.27	R06	X	6.09		X	5.15		X	2.82		X	14.6	J+	X
Lead	0.025	ND			ND			ND			ND			ND			ND			ND		
Magnesium	35	64.8	GS1, D	X	56.2	GS1, D	X	83.2	GS1, D	X	39.2	J+	X	55.4	J+	X	48.5	J+	X	72.2		X
Manganese	0.3	0.086			0.132			0.0398			0.0544	J+		0.0587	J+		0.0546	J+		0.0727	J	
Nickel	0.1	0.0212			0.0098			0.006			ND			0.0053	J		0.0367			0.0051	J	
Potassium	NS	13.5	J+		22.6	J+		33.1	J+		21.9	J+		8.16	J+		7.32	J+		20	J+	
Selenium	0.01	ND			ND			ND			ND			ND			ND			ND		
Sodium	20	167		X	310	GS1, D	X	550	GS1, D	X	365		X	172		X	209		X	196	J+	X
Vanadium	NS	0.0008	J		0.0016	J		ND			ND			0.0017	J		0.0016	J		ND		
Zinc	2	0.0747			0.02			0.0025	J		ND	R06		ND	UJ		0.0747	R06, J+		ND		
Cyanide (total)	0.2	ND			ND			ND			ND			ND			ND			ND		

Notes
Concentration in mg/L or parts per million (ppm)

TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
NS = No Standard Available
X = Exceeds Groundwater Standard of Guidance Value
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
+ = Estimated concentration biased high
D = Data reported from a dilution
U = The compound was analyzed for, but not detected above the Practical Quantitation Limit/Contract Required Quantitation Limit. The sample specific quantitation limit reported has been corrected for dilution and percent moisture
R06 = Method Reporting Limit raised to correlate to batch QC reporting limits
GS1 = Sample dilution required for high concentration of target analytes to be within the instrument calibration range
ND = Not detected above method detection limit

Table 22
Summary of Detected PCBs and Pesticides - Overburden Groundwater Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID																					
		Sample Date																					
		063-MW-8			065-MW-13			066-MW-19			069-MW-12			071-MW-10			075-MW-3			076-MW-M			077-MW-5			078-MW-G			081-MW-P		
		5/23/2016			5/24/2016			5/24/2016			5/25/2016			5/25/2016			5/26/2016			5/26/2016			5/26/2016			5/26/2016			5/27/2016		
Total PCBs	NS	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND		
Total Pesticides	NA	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND		

Compound	TOGS 1.1.1	Sample ID																					
		Sample Date																					
		082-MW-6			084-MW-1			086-DUP6			087-MW-Q			088-MW-D			089-MW-16			090-MW-18			092-MW-B			095-MW-17			102-MW-9		
		5/27/2016			5/27/2016			5/31/2016			5/31/2016			5/31/2016			5/31/2016			5/31/2016			6/1/2016			6/1/2016			6/13/2016		
Total PCBs	NS	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND		
Total Pesticides	NA	ND			ND			ND			ND			ND			ND			ND			ND			ND			ND		

Notes:
PCBs = Polychlorinated Biphenyls
NS = No Standard
ND = Not Detected
NA = Not Applicable

Table 23
Summary of Detected PCBs and Pesticides - Bedrock Groundwater Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID																							
		Sample Date																							
		062-MW-7R			064-MW-13R			067-MW-19R			068-MW-12R			070-MW-10R			072-MW-3R			073-DUP5			083-MW-1R		
		5/23/2016			5/24/2016			5/24/2016			5/25/2016			5/25/2016			5/26/2016			5/26/2016			5/27/2016		
Total PCBs	NS	ND			ND			ND			ND			ND			ND			ND			ND		
Total Pesticides	NA	ND			ND			ND			ND			ND			ND			ND			ND		

Notes:
PCBs = Polychlorinated Biphenyls
NS = No Standard
ND = Not Detected
NA = Not Applicable

Table 24
Summary of Detected VOCs - Field Blank and Trip Blank Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID	Sample Date	Sample Time
		FB-02-09-2016	052-FB-04-05-2016	061-FB-04-06-2016
		2/9/2016	4/5/2016	4/6/2016
		15:05	20:00	12:30
1,1,2-Trichlorotrifluoroethane (Freon 113)	NS	ND	ND	ND
Acetone	50	0.0028 J	ND	0.0061 J
Acrylonitrile	0.07	ND	ND	ND
Benzene	1	ND	ND	ND
Bromobenzene	5	ND	ND	ND
Bromochloromethane	5	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND
Bromoform	NS	ND	ND	ND
Bromomethane	5	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND
Carbon disulfide	60	ND	ND	ND
Carbon tetrachloride	5	ND	ND J	ND
Chlorobenzene	5	ND	ND	ND
Chloroethane	5	ND	ND	ND
Chloroform	7	ND	ND	ND
Chloromethane	NS	ND	ND	ND
2-Chlorotoluene	5	ND	ND J	ND
4-Chlorotoluene	5	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND
1,2-Dibromoethane (EDB)	0.0006	ND	ND	ND
Dibromomethane	5	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
Dichlorodifluoromethane (Freon12)	5	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND
1,1-Dichloroethene	0.07	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND
Ethylbenzene	5	ND	ND	ND
Hexachlorobutadiene	0.01	ND	ND	ND
2-Hexanone (MBK)	50	ND	ND	ND
Isopropylbenzene	5	ND	ND J	ND
4-Isopropyltoluene	5	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NS	ND	ND	ND
Methylene chloride	5	ND	ND	0.0012 J
Naphthalene	10	0.0006 J	ND	ND
n-Propylbenzene	5	ND	ND	ND
Styrene	5	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	5	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND
1,3,5-Trichlorobenzene	5	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane (Freon 11)	5	ND	ND J	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND
Vinyl chloride	2	ND	ND	ND
m,p-Xylene	5	ND	ND	ND
o-Xylene	5	ND	ND	ND
Tetrahydrofuran	NS	ND	ND	ND
Ethyl ether	NS	ND	ND	ND
Tert-amyl methyl ether	NS	ND	ND	ND
Ethyl tert-butyl ether	NS	ND	ND	ND
Di-isopropyl ether	NS	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ND	ND	ND
Cyclohexane	NS	ND	ND	ND
Total Xylenes	NS	ND	ND	ND
Methyl acetate	NS	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND
1,4-Dioxane	NS	ND	ND	ND
Ethanol	NS	ND	ND J	ND
Total VOCs	NS	0.0034	0	0.0073
TICs				
Total TICs	NS	0	0	0
Total VOCs and TICs	NS	0	0	0.0073

Compound	TOGS 1.1.1	Sample ID	Sample Date	Sample Time
		079-FB-05-26-16	080-TB-05-27-16	085-TB-05-27-16
		5/26/2016	5/27/2016	5/27/2016
		16:00	NA	NA
1,1,2-Trichlorotrifluoroethane (Freon 113)	NS	ND	ND	ND
Acetone	50	ND	ND	ND
Acrylonitrile	0.07	ND	ND	ND
Benzene	1	ND	ND	ND
Bromobenzene	5	ND	ND	ND
Bromochloromethane	5	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND
Bromoform	NS	ND	ND	ND
Bromomethane	5	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND
Carbon disulfide	60	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chlorobenzene	5	ND	ND	ND
Chloroethane	5	ND	ND	ND
Chloroform	7	ND	ND	ND
Chloromethane	NS	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND
1,2-Dibromoethane (EDB)	0.0006	ND	ND	ND
Dibromomethane	5	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
Dichlorodifluoromethane (Freon12)	5	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND
1,1-Dichloroethene	0.07	ND	ND	ND
cis-1,2-Dichloroethene	5	0.9 J	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND
Ethylbenzene	5	ND	ND	ND
Hexachlorobutadiene	0.01	ND	ND	ND
2-Hexanone (MBK)	50	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NS	ND	ND	ND
Methylene chloride	5	ND	ND	ND
Naphthalene	10	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND
Styrene	5	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	5	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND
1,3,5-Trichlorobenzene	5	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane (Freon 11)	5	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND
Vinyl chloride	2	ND	ND	ND
m,p-Xylene	5	ND	ND	ND
o-Xylene	5	ND	ND	ND
Tetrahydrofuran	NS	ND	ND	ND
Ethyl ether	NS	ND	ND	ND
Tert-amyl methyl ether	NS	ND	ND	ND
Ethyl tert-butyl ether	NS	ND	ND	ND
Di-isopropyl ether	NS	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ND	ND	ND
Cyclohexane	NS	ND	ND	ND
Total Xylenes	NS	ND	ND	ND
Methyl acetate	NS	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND
1,4-Dioxane	NS	ND	ND	ND
Ethanol	NS	ND UJ	ND UJ	ND J
Total VOCs	NS	0.9	0	0
TICs				
Total TICs	NS	0	0	0
Total VOCs and TICs	NS	0.9	0	0

Compound	TOGS 1.1.1	Sample ID	Sample Date	Sample Time
		091-TB-06-01-16	096-FB-06-01-16	097-TB-06-03-16
		6/1/2016	6/1/2016	6/3/2016
		NA	14:45	NA
1,1,2-Trichlorotrifluoroethane (Freon 113)	NS	ND	ND	ND
Acetone	50	ND	5 J	ND
Acrylonitrile	0.07	ND	ND	ND
Benzene	1	ND	ND	ND
Bromobenzene	5	ND	ND	ND
Bromochloromethane	5	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND
Bromoform	NS	ND	ND	ND
Bromomethane	5	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND
Carbon disulfide	60	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chlorobenzene	5	ND	ND	ND
Chloroethane	5	ND	ND	ND
Chloroform	7	ND	ND	ND
Chloromethane	NS	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND
1,2-Dibromoethane (EDB)	0.0006	ND	ND	ND
Dibromomethane	5	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
Dichlorodifluoromethane (Freon12)	5	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND
1,1-Dichloroethene	0.07	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND
Ethylbenzene	5	ND	ND	ND
Hexachlorobutadiene	0.01	ND	ND	ND
2-Hexanone (MBK)	50	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NS	ND	ND	ND
Methylene chloride	5	ND	ND	ND
Naphthalene	10	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND
Styrene	5	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	5	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND
1,3,5-Trichlorobenzene	5	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane (Freon 11)	5	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND
Vinyl chloride	2	ND	ND	ND
m,p-Xylene	5	ND	ND	ND
o-Xylene	5	ND	ND	ND
Tetrahydrofuran	NS	ND	ND	ND
Ethyl ether	NS	ND	ND	ND
Tert-amyl methyl ether	NS	ND	ND	ND
Ethyl tert-butyl ether	NS	ND	ND	ND
Di-isopropyl ether	NS	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ND	ND	ND
Cyclohexane	NS	ND	ND	ND
Total Xylenes	NS	ND	ND	ND
Methyl acetate	NS	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND
1,4-Dioxane	NS	ND	ND	ND
Ethanol	NS	ND	ND J	ND
Total VOCs	NS	0	5	0
TICs				
Total TICs	NS	0	0	0
Total VOCs and TICs	NS	0	5	0

Compound	TOGS 1.1.1	Sample ID	Sample Date	Sample Time
		103-TB-7-15-16	133-FB-10-13-2016	134-TB-10-14-2016
		7/15/2016	10/12/2016	10/12/2016
		NA	11:05	-
1,1,2-Trichlorotrifluoroethane (Freon 113)	NS	ND	ND	ND
Acetone	50	ND	ND	ND
Acrylonitrile	0.07	ND	ND	ND
Benzene	1	ND	ND	ND
Bromobenzene	5	ND	ND	ND
Bromochloromethane	5	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND
Bromoform	NS	ND	ND	ND
Bromomethane	5	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND
Carbon disulfide	60	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chlorobenzene	5	ND	ND	ND
Chloroethane	5	ND	ND	ND
Chloroform	7	ND	ND	ND
Chloromethane	NS	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND
1,2-Dibromoethane (EDB)	0.0006	ND	ND	ND
Dibromomethane	5	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
Dichlorodifluoromethane (Freon12)	5	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND
1,1-Dichloroethene	0.07	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND
Ethylbenzene	5	ND	ND	ND
Hexachlorobutadiene	0.01	ND	ND	ND
2-Hexanone (MBK)	50	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NS	ND	ND	ND
Methylene chloride	5	ND	ND	ND
Naphthalene	10	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND
Styrene	5	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	5	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND
1,3,5-Trichlorobenzene	5	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane (Freon 11)	5	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND
Vinyl chloride	2	ND	ND	ND
m,p-Xylene	5	ND	ND	ND
o-Xylene	5	ND	ND	ND
Tetrahydrofuran	NS	ND	ND	ND
Ethyl ether	NS	ND	ND	ND
Tert-amyl methyl ether	NS	ND	ND	ND
Ethyl tert-butyl ether	NS	ND	ND	ND
Di-isopropyl ether	NS	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ND	ND	ND
Cyclohexane	NS	ND	ND	ND
Total Xylenes	NS	ND	ND	ND
Methyl acetate	NS	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND
1,4-Dioxane	NS	ND	ND	ND
Ethanol	NS	ND	ND UJ	ND UJ
Total VOCs	NS	0	0	0
TICs				
Total TICs	NS	0	0	0
Total VOCs and TICs	NS	0	0	0

Compound	TOGS 1.1.1	Sample ID	Sample Date	Sample Time
		140-FB-4/5/17	151-FB-4-24-17	152-TB-4-24-17
		4/5/2017	4/24/2017	4/24/2017
		15:30	16:00	-
1,1,2-Trichlorotrifluoroethane (Freon 113)	NS	ND	ND	ND
Acetone	50	ND	ND	ND
Acrylonitrile	0.07	ND	ND	ND
Benzene	1	ND	ND	ND
Bromobenzene	5	ND	ND	ND
Bromochloromethane	5	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND
Bromoform	NS	ND	ND	ND
Bromomethane	5	ND J	ND	ND
2-Butanone (MEK)	50	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND
Carbon disulfide	60	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chlorobenzene	5	ND	ND	ND
Chloroethane	5	ND	ND	ND
Chloroform	7	ND	ND	ND
Chloromethane	NS	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND
1,2-Dibromoethane (EDB)	0.0006	ND	ND	ND
Dibromomethane	5	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
Dichlorodifluoromethane (Freon12)	5	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND
1,1-Dichloroethene	0.07	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND
Ethylbenzene	5	ND	ND	ND
Hexachlorobutadiene	0.01	ND	ND	ND
2-Hexanone (MBK)	50	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NS	ND	ND	ND
Methylene chloride	5	ND	ND	ND
Naphthalene	10	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND
Styrene	5	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	5	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND
1,3,5-Trichlorobenzene	5	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane (Freon 11)	5	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND
Vinyl chloride	2	ND	ND	ND
m,p-Xylene	5	ND	ND	ND
o-Xylene	5	ND	ND	ND
Tetrahydrofuran	NS	ND	ND	ND
Ethyl ether	NS	ND	ND	ND
Tert-amyl methyl ether	NS	ND	ND	ND
Ethyl tert-butyl ether	NS	ND	ND	ND
Di-isopropyl ether	NS	ND	ND	ND
Tert-Butanol / butyl alcohol	NS	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ND	ND	ND
Cyclohexane	NS	ND	ND	ND
Total Xylenes	NS	ND	ND	ND
Methyl acetate	NS	ND	ND	ND
Methylcyclohexane	NS	ND	ND	ND
1,4-Dioxane	NS	ND J	ND	ND
Ethanol	NS	ND J	ND	ND
Total VOCs	NS	0	0	0
TICs				
Total TICs	NS	0	0	0
Total VOCs and TICs	NS	0	0	0

Notes
Concentration in µg/L or parts per billion (ppb)
TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
NS = No Standard Available
NA = Not Applicable
VOCs = Volatile Organic Compounds
X = Exceeds Groundwater Standard of Guidance Value
J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration
U = The compound was analyzed for, but not detected above the Practical Quantitation Limit/Contract Required Quantitation Limit. The sample specific quantitation limit reported has been corrected for dilution and percent moisture
ND = Not detected above method detection limit

Table 25
Summary of Detected SVOCs - Field Blank Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID	Sample Date	Sample Time																			
		FB-02-09-2016			052-FB-04-05-2016			061-FB-04-06-2016			079-FB-05-26-16			096-FB-06-01-16			133-FB-10-13-2016					
		2/9/2016			4/5/2016			4/6/2016			5/26/2016			6/1/2016			10/12/2016					
		15:05			20:00			12:30			16:00			14:45			11:05					
Acenaphthene	5.3	ND			ND			ND			ND			ND			ND	UJ	
Acenaphthylene	NS	ND			ND			ND			ND			ND			ND	UJ	
Aniline	5	ND			ND			ND			ND			ND			ND		
Anthracene	3.8	ND			ND			ND			ND			ND			ND		
Azobenzene/Diphenyldiazene	5	ND			ND			ND			ND			ND			ND		
Benzidine	0.1	ND			ND	J		ND			ND			ND			ND	UJ	
Benzo (a) anthracene	0.002	ND			ND			ND			ND			ND			ND		
Benzo (a) pyrene	NS	ND			ND			ND			ND			ND			ND		
Benzo (b) fluoranthene	0.002	ND			ND			ND			ND			ND			ND		
Benzo (g,h,i) perylene	NS	ND			ND			ND			ND			ND			ND		
Benzo (k) fluoranthene	0.002	ND			ND			ND			ND			ND			ND	UJ	
Benzoic acid	NS	ND			ND	J		ND	J		ND			ND			ND		
Benzyl alcohol	NS	ND			ND			ND			ND			ND			ND	UJ	
Bis(2-chloroethoxy)methane	5	ND			ND			ND			ND			ND			ND		
Bis(2-chloroethyl)ether	1	ND			ND			ND			ND			ND			ND	UJ	
Bis(2-chloroisopropyl)ether	5	ND			ND			ND			ND			ND			ND		
Bis(2-ethylhexyl)phthalate	0.6	ND			ND			ND			ND			ND			ND		
4-Bromophenyl phenyl ether	NS	ND			ND			ND			ND			ND			ND		
Butyl benzyl phthalate	NS	ND			ND	J		ND			ND			ND			ND		
Carbazole	NS	ND			ND			ND			ND			ND			ND		
4-Chloro-3-methylphenol	NS	ND			ND	J		ND			ND			ND			ND	UJ	
4-Chloroaniline	5	ND			ND			ND			ND			ND			ND		
2-Chloronaphthalene	10	ND			ND			ND			ND			ND			ND	UJ	
2-Chlorophenol	NS	ND			ND			ND			ND			ND			ND	UJ	
4-Chlorophenyl phenyl ether	NS	ND			ND			ND			ND			ND			ND		
Chrysene	NS	ND			ND			ND			ND			ND			ND		
Dibenzo (a,h) anthracene	NS	ND			ND			ND			ND			ND			ND		
Dibenzofuran	NS	ND			ND			ND			ND			ND			ND	UJ	
1,2-Dichlorobenzene	3	ND			ND			ND			ND			ND			ND		
1,3-Dichlorobenzene	3	ND			ND			ND			ND			ND			ND		
1,4-Dichlorobenzene	3	ND			ND			ND			ND			ND			ND		
3,3´-Dichlorobenzidine	5	ND			ND			ND			ND			ND			ND		
2,4-Dichlorophenol	0.3	ND			ND			ND			ND			ND			ND		
Diethyl phthalate	NS	ND			ND			0.00939			ND			ND			ND	UJ	
Dimethyl phthalate	NS	ND			ND			ND			ND			ND			ND	UJ	
2,4-Dimethylphenol	1000	ND			ND			ND			ND			ND			ND		
Di-n-butyl phthalate	50	ND			ND			ND			ND			ND			ND		
4,6-Dinitro-2-methylphenol	NS	ND			ND			ND			ND			ND			ND		
2,4-Dinitrophenol	400	ND			ND	J		ND			ND			ND			ND		
2,4-Dinitrotoluene	5	ND			ND			ND			ND			ND			ND	UJ	
2,6-Dinitrotoluene	5	ND			ND			ND			ND			ND			ND	UJ	
Di-n-octyl phthalate	NS	ND			ND	J		ND			ND			ND			ND		
Fluoranthene	NS	ND			ND			ND			ND			ND			ND		
Fluorene	NS	ND			ND			ND			ND			ND			ND	UJ	
Hexachlorobenzene	0.04	ND			ND			ND			ND			ND			ND		
Hexachlorobutadiene	0.01	ND			ND			ND			ND			ND			ND		
Hexachlorocyclopentadiene	0.07	ND			ND	J		ND			ND			ND			ND	UJ	
Hexachloroethane	0.6	ND			ND			ND			ND			ND			ND		
Indeno (1,2,3-cd) pyrene	NS	ND			ND	J		ND			ND			ND			ND		
Isophorone	NS	ND			ND			ND			ND			ND			ND		
2-Methylnaphthalene	NS	ND			ND			ND			ND			ND			ND		
2-Methylphenol	NS	ND			ND			ND			ND			ND			ND	UJ	
3 & 4-Methylphenol	NS	ND			ND			ND			ND			ND			ND		
Naphthalene	10	ND	J		ND			ND			ND			ND			0.3	J	
2-Nitroaniline	5	ND			ND	J		ND			ND			ND			ND	UJ	
3-Nitroaniline	5	ND			ND			ND			ND			ND			ND	UJ	
4-Nitroaniline	5	ND			ND	J		ND			ND			ND			ND	UJ	
Nitrobenzene	0.4	ND			ND			ND			ND			ND			ND		
2-Nitrophenol	NS	ND			ND			ND			ND			ND			ND		
4-Nitrophenol	NS	ND			ND	J		ND			ND			ND			ND		
N-Nitrosodimethylamine	NS	ND			ND			ND			ND			ND			ND		
N-Nitrosodi-n-propylamine	NS	ND			ND			ND			ND			ND			ND	UJ	
N-Nitrosodiphenylamine	NS	ND			ND			ND			ND			ND			ND		
Pentachlorophenol	1	ND			ND			ND			ND			ND			ND		
Phenanthrene	NS	ND			ND			ND			ND			ND			ND		
Phenol	1	0.00307	J		ND			ND			ND			ND			ND		
Pyrene	NS	ND			ND			ND			ND			ND			ND		
Pyridine	NS	ND			ND	J		ND	J		ND			ND			ND		
1,2,4-Trichlorobenzene	5	ND			ND			ND			ND			ND			ND		
1-Methylnaphthalene	NS	ND			ND			ND			ND			ND			ND		
2,4,5-Trichlorophenol	NS	ND			ND	J		ND			ND			ND			ND		
2,4,6-Trichlorophenol	NS	ND			ND	J		ND			ND			ND			ND		
Pentachloronitrobenzene	5	ND			ND			ND			ND			ND			ND		
1,2,4,5-Tetrachlorobenzene	5	ND			ND			ND			ND			ND			ND	UJ	
Total SVOCs	NS	0.00307			0			0.00939			0			0			0.3		
TICS																			
Total TICs	NS	0			0			0			0			0			0		
Total SVOCs & TICs	NS	0.00307			0			0.00939			0			0			0.3		

Notes
Concentration in µg/L or parts per billion (ppb)
TOGS 1.1.1 = Groundwater Standard or Guidance Value referenced in NYSDEC Technical and Operational Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
NS = No Standard Available
SVOCs = Semi-Volatile Organic Compounds
X = Exceeds Groundwater Standard of Guidance Value
J = Detected above the Method Detection Limit but below the
ND = Not detected above method detection limit

Table 26
Summary of Detected Metals and Cyanide - Field Blank Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Element	TOGS 1.1.1	Sample ID																							
		Sample Date																							
		Sample Time																							
		FB-02-09-2016			052-FB-04-05-2016			061-FB-04-06-2016			079-FB-05-26-16			096-FB-06-01-16			133-FB-10-13-2016			151-FB-4-24-17					
		2/9/2016			4/5/2016			4/6/2016			5/26/2016			6/3/2016			10/13/2016			4/24/2017					
		15:05			20:00			12:30			16:00			14:45			11:05			16:00					
Aluminum	0.1	0.0216	J		0.0406			0.0887	R06		ND			ND			ND			NT					
Antimony	0.003	ND			ND			ND	J		ND			ND			ND			NT					
Arsenic	0.025	ND			ND			ND			ND			ND			ND			NT					
Barium	1	0.0007	J		0.0004	J		0.0006	J		ND			ND			ND			NT					
Beryllium	0.003	ND			ND			ND			ND			ND			ND			NT					
Cadmium	0.005	ND			ND			ND			ND	UJ		ND			ND			NT					
Calcium	NS	0.062	J		0.223			0.268	J		ND	UJ		ND			ND			NT					
Chromium	0.05	ND			0.0007	J		0.0043	J		ND			ND			0.0013	J		NT					
Cobalt	0.005	ND			ND			ND			ND			ND			ND			NT					
Copper	0.2	ND			ND			ND			ND			ND			0.0012	J		NT					
Iron	0.3	0.0612			0.0653			0.091	J		ND			0.0045	J		ND			NT					
Lead	0.008	ND			ND			ND			ND			ND			ND			NT					
Magnesium	35	0.0175	J		0.0304			0.0526	J		ND	UJ		0.0028	J		0.0054	J		NT					
Manganese	0.3	0.001	R06,J		0.0012	J		0.0022			ND	UJ		0.0027			ND			NT					
Mercury	0.0007	ND			ND			ND			ND			ND			ND	UJ		NT					
Nickel	0.0082	ND			ND			0.003	J		ND			ND			ND			NT					
Potassium	NS	0.077	J		ND			ND			ND	UJ		0.108	J		0.0988	J		NT					
Selenium	NS	0.0038	J		ND			ND			ND	UJ		ND			ND			NT					
Silver	0.0023	ND			ND			ND	R		ND			ND			ND	UJ		NT					
Sodium	20	0.162	J		0.212	J		0.103	J		0.206	J		0.0927	J		ND			NT					
Thallium	0.008	DN			ND			ND			ND			ND			ND			NT					
Vanadium	0.014	DN			ND			ND			ND			ND			ND			NT					
Zinc	0.066	0.0028	R06,J		0.0042	J		0.0044	J		ND	R06		ND			0.0033	R06,J		NT					
Cyanide (total)	0.001	ND			ND			ND			ND			ND			ND			ND					

Notes

NS = No Standard Available

J = Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration

U = The compound was analyzed for, but not detected above the Practical Quantitation Limit/Contract Required Quantitation Limit. The sample specific quantitation limit

R06 = Method Reporting Limit raised to correlate to batch QC reporting limits

ND = Not detected above method detection limit

NT = Not tested

Table 27
Summary of Detected PCBs and Pesticides - Field Blank Samples
245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	TOGS 1.1.1	Sample ID														
		Sample Date														
		Sample Time														
		FB-02-12-2016			052-FB-04-05-2016			061-FB-04-06-2016			079-FB-05-26-16			096-FB-06-01-16		
		2/12/2016			4/5/2016			4/6/2016			5/26/2016			6/1/2016		
		12:00			20:00			12:30			16:00			14:45		
Total PCBs	NS	ND			ND			ND			ND			ND		
Total Pesticides	NA	ND			ND			ND			ND			ND		

Notes:
PCBs = Polychlorinated Biphenyls
NS = No Standard
ND = Not Detected
NA = Not Applicable

Table 28
Calculated Bedrock Elevations at Bedrock Monitoring Well Locations
245-265 and 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, NY
NYSDEC Site #828188

Monitoring Well ID	Ground Elevation (ft)	Depth to Top of Bedrock (ft)	Bedrock Elevation (ft)
MW-1R	451.17	11.5	439.67
MW-3R	451.57	11.5	440.07
MW-7R	452.06	12.0	440.06
MW-10R	451.52	12.0	439.52
MW-12R	452.64	12.5	440.14
MW-13R	453.91	12.5	441.41
MW-19R	451.62	11.5	440.12

ft = Feet

Table 29
Fish and Wildlife Resources Impact Analysis Decision Key

245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York

NYSDEC Site #828188

		If YES, go to:	If NO, go to:
1.	Is the Site or area of concern a discharge or spill event?	13	(2)
2.	Is the Site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	(3)
3.	Is the Site and all adjacent property a developed area with buildings, paved surfaces, and little or no vegetation?	(4)	9
4.	Does the Site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	(5)
5.	Has the contamination gone off-site?	6	(14)
6.	Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7.	Are the Site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8.	Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9.	Does the Site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any NYSDEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10.	Is the lack of resources due to the contamination?	Section 3.10.1	14
11.	Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12.	Does the Site have widespread soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	13
13.	Does the contamination at the Site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact NYSDEC for information regarding endangered species.)	Section 3.10.1	14
(14.)	No Fish and Wildlife Resources Impact Analysis needed.		

Table 30
Nature and Extent of Contamination

245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive
Rochester, New York
NYSDEC Project No. 828188

Human Health Exposure Samples				
Semi-Volatile Organic Compounds (SVOCs)	**Constituents of Concern**	**Concentration Range Detected (mg/kg)**	***SCG (mg/kg)**	**Frequency of Exceeding SCG**
	Benzo(a)pyrene	0.122 to 5.91	1.1	1 of 5
Historic Fill Material Samples				
Total Petroleum Hydrocarbons (TPH)	**Constituents of Concern**	**Concentration Range Detected (mg/kg)**	***SCG (mg/kg)**	**Frequency of Exceeding SCG**
	TPH	16.6 to 5760	NS	NA
Volatile Organic Compounds (VOCs)	**Constituents of Concern**	**Concentration Range Detected (mg/kg)**	****SCG (mg/kg)**	**Frequency of Exceeding SCG**
	TCE	ND to 0.826	0.47	1 of 8
	Acetone	ND to 0.201	0.05	1 of 8
Semi-Volatile Organic Compounds (SVOCs)	**Constituents of Concern**	**Concentration Range Detected (mg/kg)**	***SCG (mg/kg)**	**Frequency of Exceeding SCG**
	Benzo(a)anthracene	0.0736 to 24.1	11	2 of 13
	Benzo(a)pyrene	0.0728 to 34.5	1.1	4 of 13
	Benzo(b)fluoranthene	0.104 to 47.9	11	2 of 13
	Dibenzo(a,h)anthracene	ND to 4.98	1.1	2 of 13
	Indeno(1,2,3-cd)pyrene	0.0604 to 26.1	11	1 of 13
Subsurface Soil Samples				
Volatile Organic Compounds (VOCs)	**Constituents of Concern**	**Concentration Range Detected (mg/kg)**	****SCG (mg/kg)**	**Frequency of Exceeding SCG**
	TCE	ND to 5.58	0.47	12 of 34
	Cis-1,2-DCE	ND to 9.38	0.25	4 of 34
	Vinyl Chloride	ND to 1.31	0.02	3 of 34
Metals and Cyanide	**Constituents of Concern**	**Concentration Range Detected (mg/kg)**	****SCG (mg/kg)**	**Frequency of Exceeding SCG**
	Nickel	7.03 to 831	130	1 of 28
Semi-Volatile Organic Compounds (SVOCs)	**Constituents of Concern**	**Concentration Range Detected (mg/kg)**	***SCG (mg/kg)**	**Frequency of Exceeding SCG**
	Benzo(a)pyrene	ND to 4.89	1.1	2 of 28
Overburden Groundwater Samples				
Volatile Organic Compounds (VOCs)	**Constituents of Concern**	**Concentration Range Detected (µg/l)**	***SCG (µg/l)**	**Frequency of Exceeding SCG**
	PCE	ND to 18.5	5	6 of 46
	TCE	ND to 286	5	24 of 46
	Cis-1,2-DCE	0.7 to 40,500	5	38 of 46
	Trans-1,2-DCE	ND to 30.8	5	6 of 46
	Vinyl Chloride	ND to 2,630	2	30 of 46
	Acetone	ND to 77.7	50	1 of 46
	1,4-Dichlorobenzene	ND to 5	3	1 of 46
	Benzene	ND to 1.2	1	1 of 46
Metals and Cyanide	**Constituents of Concern**	**Concentration Range Detected (mg/l)**	***SCG (mg/l)**	**Frequency of Exceeding SCG**
	Arsenic	ND to 0.03	0.025	2 of 20
	Antimony	ND to 0.0037	0.003	1 of 20
	Barium	0.0289 - 1.03	1	1 of 20
	Iron	0.0108 to 14.3	0.3	10 of 20
	Magnesium	5.94 to 89.4	35	13 of 20
	Manganese	0.0092 to 1.47	0.3	4 of 20
	Nickel	ND to 0.228	0.1	2 of 20
	Sodium	32.3 to 740	20	20 of 20
	Cyanide	ND to 0.738	0.2	3 of 23
Bedrock Groundwater Samples				
Volatile Organic Compounds (VOCs)	**Constituents of Concern**	**Concentration Range Detected (µg/l)**	***SCG (µg/l)**	**Frequency of Exceeding SCG**
	TCE	ND to 400	5	6 of 14
	Cis-1,2-DCE	ND to 543	5	8 of 14
	Vinyl Chloride	ND to 314	2	4 of 14
Metals and Cyanide	**Constituents of Concern**	**Concentration Range Detected (mg/l)**	***SCG (mg/l)**	**Frequency of Exceeding SCG**
	Iron	2.27 to 26.8	0.3	7 of 7
	Magnesium	39.2 to 83.2	35	7 of 7
	Sodium	167 to 550	20	7 of 7

Notes:

ND = Not Detected at Concentration Above Reported Anlaytical Laboratory Detection Limit

*SCG = Standards, Criteria, and Guidance Values: Part 375 Restricted Industrial Use SCOs for soil; TOGS 1.1.1 groundwater standards and guidance values for groundwater

**SCG = Standards, Criteria, and Guidance Values: Part 375 Protection of Groundwater SCOs for soil

PCE = Tetrachloroethene

TCE = Trichloroethene

Cis-1,2-DCE = Cis-1,2-dichloroethene

Trans-1,2-DCE = Trans-1,2-dichloroethene

APPENDIX A

Summary Tables of Previous Environmental Studies

Table A: List of the Number of Samples Analyzed Per Parameter
Previous Environmental Studies
245-265 Hollenbeck Street, 271 Hollenbeck Street, 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Sample Date	Number of Soil Samples Analyzed Per Parameter					
	VOCs	Metals	CN	Zn	TPH	Total No. of Samples
08/22/97	4	3	1	0	2	10
09/17/97	3	0	0	2	0	3
04/22/98	3	0	0	0	1	4
02/01/05	12	0	2	7	4	22
08/09/06	20	0	4	11	0	20
10/01/08	4	0	0	0	0	4
03/07/11	1	0	0	0	0	1
Totals =	47	3	7	20	7	64

Sample Date	Number of Groundwater Samples Analyzed Per Parameter			
	VOCs	CN	Zn	Total No. of Samples
10/02/97	6	0	6	6
10/15/04	3	3	3	3
06/07/06	3	0	3	3
06/27/07	8	0	0	8
07/31/07	3	0	0	3
05/01/08	10	0	0	10
08/02/08	11	0	0	11
12/03/08	1	0	0	1
01/23/09	1	0	0	1
03/31/09	6	0	0	6
05/08/09	1	0	0	1
07/20/09	2	0	0	2
09/14/09	6	0	0	6
12/12/09	2	0	0	2
03/24/10	6	0	0	6
04/14/10	3	0	0	3
10/25/10	10	0	0	10
03/28/11	3	0	0	3
09/22/11	13	0	0	13
11/29/12	13	0	0	13
Totals =	111	3	12	111

Table B: Summary of Soil Quality Data (1997 - 2014)
Previous Environmental Studies
245-265 Hollenbeck Street, 271 Hollenbeck Street, 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Compound	Unrestricted Use SCO(1)	Protection of Groundwater SCO(2)	Industrial Use SCO(3)	Sample Designation and Date of Collection																				
				BH-01(6-8') 08/22/97	TP-7(9.5-10.5') 08/25/97	BH-04(6-8') 08/22/97	BH-09(4-6') 08/25/97	TP-2(9-10') 08/25/97	BH-11(0-2) 09/17/97	BH-13(6-8') 09/17/97	BH-15(9-11' 09/18/97	TB-2(12-12.5' 4/22/1998	TB-6(4-8') 4/22/1998	TB-6(8-10') 4/22/1998	TB-8(8-10') 4/22/1998	TB-101(6.5' 02/01/05	TB-102(11.7 02/01/05	TB-104(11.0 02/01/05	TB-106(9.3' 02/01/05	TB-109(9.6' 02/01/05	TB-110(9.3' 02/01/05	TB-114(9.3' 02/02/05	TB-115(10.7 02/02/05	TB-117(9.9') 02/02/05
PCE	1.3	1.3	300	ND	ND	ND	ND	NT	**2.797**	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCE	0.47	0.47	400	**63.394**	ND	ND	0.267	NT	**124.582**	**23.400**	**2.284**	0.210	0.093	NT	0.022	**1.500**	ND	ND	0.0581	0.0207	0.071	ND	ND	**0.555**
trans 1,2-DCE	0.19	0.19	1000	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis 1,2-DCE	0.25	0.25	1000	NT	NT	NT	NT	NT	NT	NT	NT	0.060	ND	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
VC	0.02	0.02	27	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acetone	0.05	0.05	1000	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
2-hexanone	NS	NS	NS	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
Methylene Chloride	0.05	0.05	1000	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12	12	1000	ND	ND	NT	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
sec-Butylbenzene	11	11	1000	ND	ND	NT	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
n-propylbenzene	3.9	3.9	1000	ND	ND	NT	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
Isopropylbenzene	NS	2.3	NS	ND	ND	NT	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzen	3.6	3.6	380	ND	ND	NT	NT	NT	NT	NT	NT	ND	0.100	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	12	12	1000	ND	ND	NT	NT	NT	NT	NT	NT	ND	ND	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
Toluene	0.7	0.7	1000	ND	ND	0.114	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
Total Xylenes	0.26	1.6	1000	**1.262**	ND	ND	ND	NT	ND	ND	ND	ND	ND	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT
TOTAL VOCs	NS	NS	NS	64.656	--	0.114	0.267	--	127.379	23.400	2.284	0.270	0.193	--	0.022	1.500	--	--	0.0581	0.0207	0.071	--	--	0.555
Total TICs	NS	NS	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	10.309	8.611	0.883	0.291	26.19	ND	27.23	1.732
TPH	NS	NS	NS	NT	ND	285.198	NT	162.341	NT	NT	NT	NT	NT	1806.460	NT	NT	NT	231	NT	NT	NT	NT	NT	NT

Compound	TB-119(3.5') 02/02/05	TB-119(10.5') 02/02/05	TB-120(12.0') 02/02/05	TB-121(6.5') 02/02/05	TB-122(11.0') 02/02/05	TB-200(4.0') 08/09/06	TB-200(8.0') 08/09/06	TB-201(8.0') 08/09/06	TB-202(10.5') 08/09/06	TB-203(4.0') 08/09/06	TB-203(8.0') 08/09/06	TB-203(12.0') 08/09/06	TB-204(12.0') 08/09/06	TB-205(0-2') 08/10/06	TB-206(0-2') 08/10/06	TB-207(0-2') 08/10/06	TB-208(0-2') 08/10/06	TB-209(0-2') 08/10/06	TB-210(11.9' 08/10/06	TB-211(11.0' 08/10/06	TB-212(11.5' 08/10/06	TB-213(11.9' 08/10/06	TB-214(11.0' 08/10/06	TB-215(8.0') 08/10/06
PCE	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCE	NT	0.0754	0.0086	NT	ND	0.192	0.0733	ND	ND	ND	0.348	ND	0.014	ND	ND	ND	ND	ND	ND	ND	0.281	ND	0.154	ND
trans 1,2-DCE	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis 1,2-DCE	NT	NT	NT	NT	NT	ND	ND	ND	**2.34**	ND	ND	ND	0.0151	ND	ND	ND	ND	ND	0.0312	ND	ND	0.148	0.0476	ND
VC	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acetone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	ND	NT
2-hexanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	ND	NT
Methylene Chloride	NT	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	ND	**0.219**	ND	ND
n-Butylbenzene	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	0.0261	NT
sec-Butylbenzene	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	0.0175	NT
n-propylbenzene	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	0.0238	NT
Isopropylbenzene	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	0.0104	NT
1,2,4-Trimethylbenzen	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	0.0753	NT
Naphthalene	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	0.109	NT
Toluene	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	ND	NT
Total Xylenes	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	ND	NT
TOTAL VOCs	N/A	0.0754	0.0086	N/A	--	0.192	0.0733	--	2.34	--	0.348	--	0.0291	--	--	--	--	--	0.312	0.02	0.281	0.367	0.4637	--
Total TICs	NT	ND	ND	NT	20.912	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TPH	502	NT	NT	29.3	807	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Compound	TB-215(11.9') 08/10/06	SS-1(0-2") 10/01/08	SS-4(2-4") 10/01/08	TB-100(2-4') 10/01/08	IB-100(5-7') 10/01/08	TB-402(11') 03/07/11
PCE	ND	ND	ND	ND	0.0498	ND
TCE	ND	ND	ND	ND	0.0808	0.129
trans 1,2-DCE	ND	ND	ND	ND	ND	ND
Cis 1,2-DCE	0.021	ND	ND	ND	ND	ND
VC	ND	ND	ND	ND	ND	ND
acetone	NT	**0.723**	ND	ND	ND	ND
2-hexanone	NT	0.28	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
n-Butylbenzene	NT	ND	ND	ND	ND	ND
sec-Butylbenzene	NT	ND	ND	ND	ND	ND
n-propylbenzene	NT	ND	ND	ND	ND	ND
Isopropylbenzene	NT	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzen	NT	ND	ND	ND	ND	ND
Naphthalene	NT	ND	ND	ND	ND	ND
Toluene	NT	ND	ND	ND	ND	ND
Total Xylenes	NT	ND	ND	ND	ND	ND
TOTAL VOCs	0.021	1.003	--	--	0.1306	0.129
Total TICs	NT	NT	NT	NT	NT	NT
TPH	NT	NT	NT	NT	NT	NT

Notes:
Results and SCOs are reported as parts per million (ppm) or mg/Kg
(1) = Soil Cleanup Objective (SCO) for Unrestricted Use as referenced in 6 NYCRR Part 375 dated 12/14/06.
(2) = Soil Cleanup Objective (SCO) for Protection of Groundwater as referenced in 6 NYCRR Part 375 dated 12/14/06.
(3) = Soil Cleanup Objective (SCO) for Industrial Use as referenced in 6 NYCRR Part 375 dated 12/14/06.
PCE = tetrachloroethene
TCE = trichloroethene
Trans 1,2-DCE = trans 1,2-dichloroethene
Cis 1,2 DCE = Cis 1,2-dichloroethene
VC = vinyl chloride
TIC = Tentatively Identified Compound
ND = Not Detected at a concentration greater than the method detection limit.
NT = Not Tested
NS = No Standard
Bold Type = Concentration exceeds the respective Unrestricted Use SCO.
0.723 = Concentration exceeds the respective Unrestricted Use SCO and Protection of Groundwater SCO.

Table C: Summary of Groundwawter Quality Data (1997-2013)
Previous Environmental Studies
245-265 Hollenbeck Street, 271 Hollenbeck Street, 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

COMPOUND	NYSDEC Standard or Guidance Value[1]	SAMPLE LOCATIONS AND SAMPLE DATES																				
		MW-1										MW-2	MW-3								MW-4	
		10/2/97	10/15/04	6/7/06	6/28/07	5/1/08	8/21/08	4/14/10	10/25/10	9/22/11	11/29/12	10/2/97	10/2/97	10/15/04	6/7/06	5/1/08	8/21/08	10/25/10	9/22/11	11/29/12	10/2/97	8/21/08
PCE	5	11.9	5.4	3.85	*ND (20)*	ND (2.0)	2.34	7.61	8.87	7.02	4.1	ND (2.0)	9.7E	7.1	ND (2.0)	ND (2.0)	2.70	*ND (20.0)*	*ND (10)*	4.15	ND (2.0)	ND (2.0)
TCE	5	546.9	78	112	216	23.2	46.3	123	119	97.2	61.1	206.3	607.4	170	95.4	28.9	98.3	156	190	214	11.2	ND (2.0)
trans 1,2-DCE	5	*ND (10)*	ND (1.0)	ND (2.0)	*ND (20)*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	*ND (10)*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	*ND (20.0)*	*ND (10)*	ND (2.0)	6.4	ND (2.0)
Cis 1,2-DCE	5	14.8 E	15	19.1	45.2	5.46	13.5	21.6	18.6	22.3	39.4	38.2 E	39.9 E	33	17.7	8.29	25.2	40.8	47.1	57.7	295 E	ND (2.0)
VC	2	*ND (10)*	ND (2.0)	ND (2.0)	*ND (20)*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	*ND (10)*	*ND (4.0)*	ND (2.0)	ND (2.0)	2.35	*ND (20.0)*	*ND (10)*	2.79	229.6	ND (2.0)
TOTAL VOCs	--	573.6	98.4	134.95	261.2	28.66	62.14	152.21	146.47	126.52	104.6	244.5	657	210.1	113.1	37.19	128.55	196.8	237.1	278.64	542.2	0
Cyanide	200	NT	ND (100)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND (100)	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	2,000	22	ND (100)	ND (20)	NT	NT	NT	NT	NT	NT	NT	ND (10)	ND (10)	245	98	NT	NT	NT	NT	NT	12	NT

COMPOUND	NYSDEC Standard or Guidance Value[1]	SAMPLE LOCATIONS AND SAMPLE DATES																								
		MW-5																	MW-6							
		10/2/97	10/15/04	6/7/06	7/31/07	5/1/08	8/21/08	1/23/09	3/31/09	5/8/09	7/20/09	9/14/09	3/24/10	4/14/10	10/26/10	9/22/11	11/29/12	1/4/13	10/2/97	10/1/08	3/31/09	9/14/09	3/24/10	10/26/10	9/22/11	11/29/12	1/4/13
PCE	5	*ND (10)*	ND (2.5)	*ND (200)*	*ND (200)*	*ND (200)*	*ND (50)*	*ND (20)*	*ND (40)*	*ND (20)*	*ND (20)*	*ND (20)*	*ND (100)*	*ND (50)*	*ND (20)*	*ND (10)*	*ND (400)*	*ND (50)*	*ND (50)*	*ND (200)*	*ND (400)*	*ND (100)*	*ND (100)*	*ND (400)*	*ND (200)*	ND (2.0)	ND (2.0)
TCE	5	909.5	5.5	*ND (200)*	*ND (200)*	*ND (200)*	*ND (50)*	*ND (20)*	136	51.7	*ND (20)*	*ND (20)*	632	205	*ND (20)*	*ND (10)*	*ND (400)*	*ND (50)*	4,917.1	*ND (200)*	*ND (400)*	*ND (100)*	*ND (100)*	*ND (400)*	*ND (200)*	ND (2.0)	ND (2.0)
trans 1,2-DCE	5	15.0	4.0	*ND (200)*	*ND (200)*	*ND (200)*	*ND (50)*	*ND (20)*	*ND (40)*	*ND (20)*	*ND (20)*	*ND (20)*	*ND (100)*	*ND (50)*	*ND (20)*	*ND (10)*	*ND (400)*	*ND (50)*	43.5E	*ND (200)*	*ND (400)*	*ND (100)*	*ND (100)*	*ND (400)*	*ND (200)*	ND (2.0)	ND (2.0)
Cis 1,2-DCE	5	2,840 E	260	11,300	2,130	4,020	3,600	845	2,820	1,880	2,150	240	6,330	5,800	736	909	10,000	4,600	4,390E	6,230	11,500	7,200	7,960	6,040	5,410	42.7	5.3
VC	2	654.8	43	1,080	457	289	764	179	168	192	365	129	412	447	126	153	668	390	837	4,300	4,730	5,400	4,110	3,570	4,440	24.8	ND (2.0)
TOTAL VOCs	--	4,419.30	312.5	12,380	2,587	4,309	4,364	1,024	3,144	2,124	2,515	369	7,374	6,452	862	1,062	10,668	4,990	10,187.6	10,530	16,230	12,600	12,070	9,610	0	67.5	5.3
Cyanide	200	NT	ND (100)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	2,000	11.00	283	35	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	128.0	NT	NT	NT	NT	NT	NT	NT	NT

COMPOUND	NYSDEC Standard or Guidance Value[1]	SAMPLE LOCATIONS AND SAMPLE DATES																				
		MW-7 (ROCK)											MW-8									
		6/27/07	7/31/07 (14-15')	7/31/07 (25.5-26.5')	5/1/08	8/21/08	3/31/09	9/14/09	3/24/10	10/26/10	9/22/11	11/29/12	6/27/07	5/1/08	8/21/08	3/31/09	7/20/09	9/14/09	3/24/10	10/26/10	9/22/11	11/29/12
PCE	5	*ND (20)*	*ND (10)*	ND (2.0)	ND (5.0)	ND (5.0)	ND (5.0)	3.84	6.19	ND (5.0)	ND (5.0)	ND (4.0)	*ND (20)*	*ND (20)*	*ND (20)*	*ND (20)*	*ND (20)*	*ND (200)*	*ND (10)*	*ND (20)*	*ND (20)*	*ND (20)*
TCE	5	175	282	127	367	ND (5.0)	183	135	160	108	42.3	204	*ND (20)*	*ND (20)*	*ND (20)*	*ND (20)*	*ND (20)*	*ND (200)*	*ND (10)*	*ND (20)*	*ND (20)*	*ND (20)*
trans 1,2-DCE	5	*ND (20)*	*ND (10)*	ND (2.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (2.0)	ND (2.0)	ND (5.0)	ND (5.0)	ND (4.0)	*ND (20)*	*ND (20)*	*ND (20)*	*ND (20)*	*ND (20)*	*ND (200)*	*ND (10)*	*ND (20)*	*ND (20)*	*ND (20)*
Cis 1,2-DCE	5	103	144	78.2	135	139	69	117	86	130	114	330	1,220	220	862	1,460	2,330	1,600	727	841	1,080	808
VC	2	*ND (20)*	37.6	21.4	25.4	19.7	10.2	27	15	31	47.9	107	321	102	352	479	1,250	1,030	506	845	1,560	1,050
TOTAL VOCs	--	278	463.2	226.8	527.4	158.7	261.8	282.8	267.5	269.0	204.2	641.0	1,541	322	1,214	1,939	3,580	2,630	1,233	1,686	2,640	1,858
Cyanide	200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	2,000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Notes:
(1) NYSDEC Division of Water Technical Operations and Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; Class GA (source of drinking water from groundwater)
Concentrations are shown in ug/l or parts per billion (ppb)
ND(2.5) - constituent not detected at the concentration shown in parenthesis
ND(200) - concentration shown in parenthesis exceeds the respective ambient water quality standard or guidance value
E = Denotes an estimated concentration
TCE = trichloroethene
Cis 1,2 DCE = Cis 1,2-dichloroethene
PCE = tetrachloroethene
Trans 1,2-DCE = trans 1,2-dichloroethene
VC = vinyl chloride
909.5 = Concentration exceeds the respective ambient water quality standard or guidance value.

Table C: Summary of Groundwawter Quality Data (1997-2013)
Previous Environmental Studies
245-265 Hollenbeck Street, 271 Hollenbeck Street, 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

COMPOUND	NYSDEC Standard or Guidance Value[1]	SAMPLE LOCATIONS AND SAMPLE DATES																					
		MW-9									MW-10									MW-11			
		6/27/07	5/1/08	8/21/08	3/31/09	9/14/09	3/24/10	10/25/10	9/22/11	11/29/12	6/27/07	5/1/08	8/21/08	3/31/09	9/14/09	3/24/10	10/25/10	9/22/11	11/29/12	6/27/07	5/1/08	8/21/08	
PCE	5	*ND (20)*	ND (2.0)	ND (2.0)	*ND (20)*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	*ND (20)*	ND (2.0)	ND (2.0)	*ND (20)*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	*ND (20)*	ND (2.0)	ND (2.0)	
TCE	5	57.6	47.5	79.9	45.0	87.8	56.4	ND (2.0)	ND (2.0)	ND (2.0)	86.3	37.9	62.0	33.0	56.9	32.7	ND (2.0)	ND (2.0)	ND (2.0)	50.3	ND (2.0)	ND (2.0)	
trans 1,2-DCE	5	*ND (20)*	ND (2.0)	ND (2.0)	*ND (20)*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	*ND (20)*	ND (2.0)	ND (2.0)	*ND (20)*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	*ND (20)*	ND (2.0)	ND (2.0)	
Cis 1,2-DCE	5	*ND (20)*	15.2	32.3	26.8	30.9	24.9	ND (2.0)	ND (2.0)	ND (2.0)	202	158	196	106	122	76	ND (2.0)	ND (2.0)	ND (2.0)	101	ND (2.0)	ND (2.0)	
VC	2	*ND (20)*	ND (2.0)	3.48	*ND (20)*	4.18	2.4	ND (2.0)	ND (2.0)	ND (2.0)	227	96.5	103	59.8	116	51.4	ND (2.0)	ND (2.0)	2.78	*ND (20)*	ND (2.0)	ND (2.0)	
TOTAL VOCs	--	57.6	62.7	115.68	71.80	122.88	83.70	0	0	0	515.3	292.4	361	198.8	294.9	160.2	0	0	2.78	151.3	0	0	
Cyanide	200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Zinc	2,000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

COMPOUND	NYSDEC Standard or Guidance Value[1]	SAMPLE LOCATIONS AND SAMPLE DATES																							
		MW-12							MW-13							MW-14	MW-16			MW-17			MW-18			
		6/27/07	5/1/08	8/21/08	4/14/10	10/25/10	9/22/11	11/29/12	6/27/07	5/1/08	8/21/08	10/25/10	9/22/11	11/29/12	12/3/08	3/28/11	9/22/11	11/29/12	3/28/11	9/22/11	11/29/12	3/28/11	9/22/11	11/29/12	1/4/13
PCE	5	*ND (20)*	ND (2.0)	2.81	*ND (20)*	*ND (20)*	*ND (10)*	*ND (10)*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	3.26	*ND (20)*	*ND (10)*	*ND (10)*	2.68	ND (2.0)	ND (2.0)	*ND (20)*	*ND (20)*	*ND (20)*	ND (2.0)
TCE	5	289	196	229	218	314	170	83.6	5.48	3.99	4.54	21.9	12.8	ND (2.0)	18.9	495	282	18.8	103	63.6	ND (2.0)	*ND (20)*	*ND (20)*	*ND (20)*	ND (2.0)
trans 1,2-DCE	5	*ND (20)*	ND (2.0)	ND (2.0)	*ND (20)*	*ND (20)*	*ND (10)*	*ND (10)*	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (20)	26.9	32.4	4.92	4.79	5.14	*ND (20)*	*ND (20)*	*ND (20)*	ND (2.0)
Cis 1,2-DCE	5	83.6	53.7	85.6	133.0	128.0	83.9	60.8	6.40	3.97	11.1	16.9	13.0	ND (2.0)	10.9	156	253	280	49.3	62.4	78.4	1,080	384	11.8	33
VC	2	*ND (20)*	18.4	27.5	36.4	53.6	47.8	35.4	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	4.54	28.1	29.2	60.7	8.85	27.3	26.9	1,520	1,200	29.1	75
TOTAL VOCs	--	372.6	268.1	344.91	387.4	495.6	301.70	179.8	11.88	7.96	15.54	38.80	25.80	0	37.6	679.1	591.1	391.9	168.75	158.09	110.04	2,600	1,584	40.9	108
Cyanide	200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Zinc	2,000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Notes:
(1) NYSDEC Division of Water Technical Operations and Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; Class GA (source of drinking water from groundwater)
(2) 2014 Groundwater Sampling Data - The following are the results of the laboratory analyses of groundwater samples collected from 5 off-site wells installed in right-of-way areas adjacent to the Site.

Notes:

Concentrations are shown in ug/l or parts per billion (ppb)
ND(2.5) - constituent not detected at the concentration shown in parenthesis
ND(200) - concentration shown in parenthesis exceeds the respective ambient water quality standard or guidance value
E = Denotes an estimated concentration
PCE = tetrachloroethene Trans 1,2-DCE = trans 1,2-dichloroethene
909.5 = Concentration exceeds the respective ambient water quality standard or guidance value.

Table D: Summary of Soil Consituents Exceedings SCOs
Previous Environmental Studies
245-265 Hollenbeck Street, 271 Hollenbeck Street, 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Sample No.	Date	Depth	Results	Unrestricted SCO (1)	Industrial SCO (2)
BH-01	08/22/97	6' - 8'	TCE - 63.394	0.47	400
			Total Xylene - 1.262	0.26	1000
BH-11	09/17/97	0' - 2'	PCE - 2.797	1.30	300
			TCE - 124.582	0.47	400
BH-13	09/17/97	6' - 8'	TCE - 23.4	0.47	400
BH-15	09/18/97	9' - 11'	TCE - 2.284	0.47	400
TB-101	02/01/05	6.5'	TCE - 1.500	0.47	400
TB-117	07/02/05	9.9'	TCE - 0.555	0.47	400
TB-202	08/09/06	10.5'	cis-1,2-DCE - 2.34	0.25	1000
TB-213	08/10/06	11.9'	Methylene Chloride - 0.219	0.05	1000
SS-01	10/01/08	0' - 2'	Acetone - 0.723	0.05	1000

Notes:

1. Soil Cleanup Objective (SCO) for Unrestricted Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

2. SCO for Restricted Industrial Use as referenced in 6 NYCRR Part 375 dated 12/14/06.

3. The ROW samples were collected from adjacent off-site areas and do not reflect Site soil quality conditions. In addition, chloroform has not been detected above NYSDEC Unrestricted Use SCOs in soil samples collected from Site areas. As a result, it is unlikely that the chloroform detected in this sample is Site-related.

All units are in milligrams per kilogram (mg/kg), or parts per million (ppm).

TCE = trichloroethene
PCE = tetrachloroethene
cis-1,2-DCE = cis-1,2-dichloroethene

Table E: Summary of Halogenated VOCs in Groundwater
Previous Environmental Studies
245-265 Hollenbeck Street, 271 Hollenbeck Street, 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

MW	PCE (5 ug/L) [1]				TCE (5 ug/L)[1]				trans 1,2-DCE (5 ug/L) [1]			
	Highest		Most Recent		Highest		Most Recent		Highest		Most Recent	
	Conc.	Date [3]	Conc.	Date [3]	Conc.	Date [3]	Conc.	Date [3]	Conc.	Date [3]	Conc.	Date [3]
MW-1	11.9	1997	4.1	2012	546.9	1997	61.1	2012	ND	1997	ND	2012
MW-2+	ND	1997	See note 2.		206.3	1997	See note 2.		ND	1997	See note 2.	
MW-3	7.1	2004	4.15	2012	607.4	1997	214	2012	ND	1997	ND	2012
MW-4+	ND	1997	ND	2008	11.2	1997	ND	2008	6.4	1997	ND	2008
MW-5	ND	1997	ND	2013	909.5	1997	ND	2013	15.0	1997	ND	2013
MW-6	ND	1997	ND	2013	4,917.1	1997	ND	2013	43.5 E	1997	ND	2013
MW-7 *	6.19	2010	ND	2012	367	2008	204	2012	ND	2007	ND	2012
MW-8	ND	1997	ND	2012	ND	1997	ND	2012	ND	1997	ND	2012
MW-9	ND	1997	ND	2012	878	2009	ND	2012	ND	1997	ND	2012
MW-10	ND	2007	ND	2012	86.3	2007	ND	2012	ND	2007	ND	2012
MW-11+	ND	2007	ND	2008	50.3	2007	ND	2008	ND	2007	ND	2008
MW-12	ND	2007	ND	2012	314	2010	83.6	2012	ND	2007	ND	2012
MW-13	ND	2007	ND	2012	21.9	2010	ND	2012	ND	2007	ND	2012
MW-14+	3.26	2008	See note 2.		18.9	2008	See note 2.		ND	2008	See note 2.	
MW-16	ND	2011	ND	2012	495	2001	18.8	2012	32.4	2012	32.4	2012
MW-17	2.68	2011	ND	2012	103	2011	ND	2012	5.14	2012	5.14	2012
MW-18	ND	2011	ND	2013	ND	2011	ND	2013	ND	2011	ND	2013

MW	cis-1,2-DCE (5 ug/L) [1]				Vinyl Chloride (2 ug/L) [1]			
	Highest		Most Recent		Highest		Most Recent	
	Conc.	Date [3]	Conc.	Date	Conc.	Date [3]	Conc.	Date [3]
MW-1	45.2	2007	39.4	2012	ND	1997	ND	2012
MW-2+	38.2 E	1997	See note 2.		ND	1997	See note 2.	
MW-3	57.7	2012	57.7	2012	2.79	2012	2.79	2012
MW-4+	295E	1997	ND	2008	229.6	1997	ND	2008
MW-5	11,300	2006	4,600	2013	1,080	2006	390	2013
MW-6	11,500	2009	5.3	2013	5,400	2009	ND	2013
MW-7 *	330	2012	330	2012	107	2012	107	2012
MW-8	2,330	2009	808	2012	1,560	2011	1,050	2012
MW-9	32.3	2008	ND	2012	4.18	2009	ND	2012
MW-10	202	2007	ND	2012	227	2006	2.78	2012
MW-11+	101	2007	ND	2008	ND	2007	ND	2008
MW-12	133	2010	60.8	2012	53.6	2010	35.4	2012
MW-13	16.9	2010	ND	2012	ND	2007	ND	2012
MW-14+	10.9	2008	See note 2.		4.54	2008	See note 2.	
MW-16	280	2012	280	2012	60.7	2012	60.7	2012
MW-17	78.4	2012	78.4	2012	27.3	2011	26.9	2012
MW-18	1,080	2011	33	2013	1,520	2011	75	2013

Notes:

All units are in micrograms per liter (ug/L).

\+ Well MW-2 no longer exists. Wells MW-4, MW-11, MW-14 and MW-15 were used as injection wells for the biostimulation pilot test and, thus, are no longer suitable for use as monitoring wells.

* This well (MW7) is a bedrock well. All other monitoring wells listed on this table are shallow overburden aquifer groundwater monitoring wells.

ND Indicates that the constituent was not detected above the Method Detection Limit (MDL).

E Denotes an Estimated Concentration.

1. **(5 ug/L)** = These are the New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical Operations and Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; Class GA (source of drinking water from groundwater). The NYSDEC water quality standard for Vinyl Chloride is 2 ug/L; the NYSDEC water quality standard for the other four constituents listed on this table is 5 ug/L.
2. Only one groundwater sample has been collected from well MW-2 and from well MW-14. Well MW-2 has been abandoned.
3. Specific dates associated with the sampling events are shown on Table C.

45.2 Indicates that the constituent was detected at a concentration above the NYSDEC water quality standard for that constituent.

APPENDIX C

Field Notes and CAMP Logs

①

McAlpin contact

Dave V. 266-3060 ext 167
Dave Vasuny/Kris cell 764-3335

Bob Long (NYSDEC) 585-579-3078

OB1.52115-16
McAlpin

②

2/3/16

10:16 Hmm on-Site
10:20 met Dave V.
10:30 met Applus RT (Jason + Ron)

- Walked the site w/ Applus RT
- met Dave V again
- spoke w/ RG+E locators re drilling locations
- agreed to have decon pad on the West of courtyard
- Applus left trailer east of courtyard
- Augers, drums left at MW-10R

Applus off-Site 11:40
Hmm off-Site 11:45

③ McAlpin 2/4/16
40°F rainy
Obj: Bedrock well Installation
8:05 Hmm, SRR, SMS, JAD on-site
Hmm called Dave V. to let him know we're here

- pallets at courtyard
- gate open

8:20 Bob Long (DEC) on-site
8:30 Andy K. on site
8:45 JAD off-site

9:10 Applus RTD on-site

9:35 JAD back on-site
9:45 water line from building
9:50 Safety meeting

Rig: ATV CME 550x drill rig
Driller: Ron Brown
(Jason Tojdowski from Applus Rtd

OBI-5211S-16
McAlpan 2/4/16 ④

10:00 collected background air sample PID + PID

10:25 MW-10R started w/ 6 1/4 augers

10:28 BZ PID reading (~~SR~~ Serial # 110-05187) higher than expected. compared to CAMP PID and it was 1.6 ppm vs. 0.0 ppm

recalibrated PID - 0.0 ppm

11:30 V. light snow
Hmm, SRR, SMS
~12pm - off-site for lunch
~1230 on-site Hmm, SRR, SMS, JAD
1237 Applus working on casing/grout
13:15 MW-10R casing + grout installed

(5) OBI.521.5-16 2/4/2016
McAlpin

13:30 Setting up at MW-12R
13:49 began drilling MW-12R

15:10 done augering MW-12R
casing not installed

15:15 spoke w Dave K re
plan for 2/5/2016
asked to have cars moved
by MW-19R

15:30 Hmm, JAD, SRR, SMS
off-site

OBI.521.5-16 ~32°F (6) 2/5/2016
McAlpin Purpose: continue bedrock well installation

7:58: Hmm, SRR, SMS
on-site
Ron + ~~Andy~~ (Applus)
on-site
Bob Long (DEC) on-site

8:20 got water turned on inside
began filling drums

9:00 Jason (Applus) on-site
w trailer

9:08 began mixing grout
casing set in but slightly
up at MW-12R

9:19 began grouting

Grout made is
Commercial Grade Quikrete
Type I/II Portland Cement

9:43 finished grouting
-casing set
Augers pulled

⑦ OBI-52115-16

McAlpin 2/5/2016

9:59 setting up decon pad

10:10 began decon of augers

10:40 complete decon

11:00 set up at MW-19R
background air sampled.

1107 began augering
(can't set up.

1110 Bob L (PEC) no longer present

1113 Hmm. off site

1201 finished augering to 13.5'

1203 lunch / off-site fms / scs

1223 on-site w/ Applus (Jason/Don)
SRR/SMS

1230 Applus setting tripi @ 13.5'
@ MW19R
mixing grout

1250 Tremied grout ~~to surface~~

1312 JAD's - Site
Hmm/SRR/JAD marking surf soil/air locations
surf. soil samples

OBI-52115-16 2/5/2016 ⑧

1315 Hmm on site

1335 Setting up @ MW-3R

1418 Reached bedrock @ MW3R
cut steel to 13.5'

1454 13.5' @ MW-3R
Steel cut to 13.5'

1512 grout mixing
tremied grout @ MW3R

1540 done w/ grout - Applus setting
Augers on decon pad for
Monday.

1548 Monday 0630 start 2/8/16

1550 off site

(9) McAlpin (OBL-052115-16)

Monday 2/8/16 37° Chilly
OBL - Hallenbeck

0825 on-site w/ ~~Hmm~~/SRP/JAD/SMS

0840 Ron/Applus on site discussing plan w/ Ron

0842 Bob PEC on site
Hmm on site

~~0845~~ Applus beginning de-con
0855

0920 done de-con

0927 out back @ MW-13R

0937 set up camp

0950 set up drilling @ MW-13R

1018 start MW-13R

1020 screen SS for next 2 intervals

1155 Applus to lunch
Camp ended for now

1205 JAD/Hmm/SRP Sampling/Safety

SMS off-site

1252 Drillers start installing 4" steel casing @ MW-13R

McAlpin (OBL-052115-16) 2/8/16 MW-13R (10)

1300 mixing grout to ~~begin~~

1307 begin SS/SSE3@ ~~SSE3/SS-4~~

1315 finished grout MW-13R

1352 ~~etc~~ MW-1R to begin/Camp set-up

1420 start drilling MW-1R
cores through 3" asphalt - collected soil sample 0-1' for testing

1444 through 5' (no sample) - Auger refusal →

1505 JAD to help w/ SS/SSE

1535 done augering MW-1R - auguring steel

1550 begin laying/placing pipe

1600 PID 22.9 @ MW-1R
Sheen/old petro odor
dumbbell

1602 Hmm/SRP done for day w/ SS/SSE

1640 Tuesday 0800 start time per Ron
· Pictures and Planning off-site
JAD - SRP, Hmm - SMS

* SSE-1 to SSE-5 completed
no PID above 0.0 ppm
SS-1 through SS-4 SS-8 through SS-10 TBP completed · TBH + SS-2 to be developed

Samples 001 to 016

MCAA/pin (OBI-5211S-16)

9 Feb 16 34° MW installation HFM collection, test pit

0800 SAD/SRR/SMS on-site w/ Applus (Ron/Kyle)

Heading to MW-19 for over-burden well.

0808 Hmm on-site

0845 Hmm/SRR confirmed location of TB-H

0850 began at TB-H for HFM sampling - collecting MS/MSD sample - sample # ~~216~~ 017

8:20 Bob Long (DEC) on-site

8:55 MW-19 ~~installed~~ sample ~~MW~~ collected (018)

8:57 TB-H collection staked

~~10~~ 9:45 Hmm spoke w/ Dave V re drum eval ☐ on 2/11/2016 will get back to us.

MCAA/pin (OBI-5211S-16)
2/9/2016

10:05 SRR shovelled at SS-5

10:15 collected 019 ~~018~~-SS-5 (0-1) and Dup1-02-09-2016

10:40 SRR shovelled at SS-6

10:50 collected ~~SS~~ 020 ~~019~~-SS-6 (0-1)

1100 Applus done @ MW-19 (ASTM)

1154 SMS off site

1209 SMS on site
SAD/Hmm/SRR measuring out test pit location

1220 Hmm/SRR off site
SAD/SMS awaiting min. exc. excavation/Applus for test pit activity

1300 Applus back on-site w/ exc.

1320 begin @ TP1

(13) 2/9/16 McAlpin (OB1 52115-16)

1345 PID (0-1) TPA 0.0.

1410 start backfilling TP-A + Bob Long off-site

1330 Decon (Kyle) 1330 - 1410
TP-A 1320 - 1425 CWD TP-A
decon 1428 ~~Started~~
decon complete 1458, DAY off-site
Applus to move 2 drums, then off-site for the day

15:05 return to office
SMS 5mm + Hmm Collect rinsate blank ER-02-09-2016 collected from shovel and post hole digger (50:50 ratio)

collected to Spl #23

Hmm sorted all ~~sp~~ samples for pickup.

(14) 2/10/2016 McAlpin. 52115-16

0800 JAD + SMS (DAY) on-site.
weather 30's F 5-15 MPH wind generally from northwest, light snow intermittent forecast for the day
objectives: start coring/reaming bedrock wells
0810 - Applus RTD (driller) Ron Brown + Kyle on-site.
0815 - will set up @ MW-12R, driller going up + getting potable water
0845 - mobilize rig to MW-12R
0920 - Ron says 3' of grout inside 4" steel casing - we will core through it - first core shoot to go through 3' grout + 5' bedrock
0930 - start coring.
0935 - small leak in recirculating water tub, add bentonite chips to tub.
0937 start recirculating water from tub back into well for coring
0945 - just started getting into rock + encountered core blocks not allowing advancement of barrel - retrieved barrel + empty - core barrel contained grout + 0.2' of Dark gray dolomitic limestone from Rochester Shale formation

(15)

McAlpin 52115-16 2/10/16

0957 continue coring @ MW-12R - 14.7' - 19.5'

1003 stop coring, clean hole with fresh water + retract core barrel

1015 start coring 19.5 - 24.5 - HMM on-site

1030 HMM call to Rebecca at Spectrum re TPH analysis method 8100 will cover the same Carbon range as GRO/DRO and will include GC fingerprint - will use 8100

1050 stop coring - depth 24.5'

1121 Rec. sample ~30 gallons water lost during coring.

1123 start reaming with 3 7/8" roller bit. Starting @ 14.5' bgs.

1143 stop + add flight of rod.

1145 continue reaming last 5'

1205 stop reaming @ 29.5' + flush well through rods.

1215 Break for lunch, HMM off-site.

1220 Bob long (N 5 DEC) on-site.

1242 Back to work - clean-up @ MW-12R. Rec. sand less than 10 gallons water lost during reaming.

(16)

McAlpin 52115-16 2/10/2016

1330 - mobilize drill rig to MW-10R and start decon of route coring/reaming equipment

1345 - grab add'l pallets for drum staging

1358 - decon complete

1520 - waiting for grout

1532 - through grout + ~2'

1545 - MW-10R through coring to 19'

1600 this is wrapping up with 5' of core MW-10R

10 GAD/cms' off-site

0800 start @ MW-10R

(17)

McAlpin 5215-16 2/1/2016 10° Flurries

0817 onsite (SMS) w/ Applus setting up
Spoke w/ Ron (Applus) - some frozen water on rig - needs to prep it for coring.
- HAMM is on site inside -
0835 SAD on-site
0915 Applus (Kyle/Ron) just retrieved the tank (H_2O) for coring

0916 Bob Long (DEC) on-site
0925 Ron/Kyle thawing equip.
0930 Bob (DEC) left core area
0935 Began coring steadily/Core commenced
~~coring began~~ @ 19' @ MW-10R
0955 Pause coring @ ~ 20-21' (getting H_2O)
1010 @ ~22' losing H_2O (per Ron) ~100g. lost - not circulating - They're currently @ 27' ~~finishing hole~~
~20 @ 29' MW-10R
1030 core into box
1045 begin reaming
051 Bob back on-site (DEC)

McAlpin 5215-16 2/1/2016 (18)

0958 Applus getting more H_2O/ pause reaming

1110 commenced reaming @ MW-10R
1145 Reaming complete ~150g H_2O lost.

1200 lunch
1209 SMS off-site
1215 SAD/SMS on-site
1250 Kyle containerizing drill cuttings
Spoke w/ Ron - they are tearing up equip @ MW-10R to drive - then will set up @ MW-32 after drive (also situating drums)

1330 begin drive abx
1300
Per SAD dye test main WW disc - charge - sink dye @ MW-19 (in sanitary sewer line) MW-19 intercepted

Rite in the Rain

(19)

McAlpin 52115-16 2/11/2016

1350 done w/ action (1330 - 1350)
1358 setting up @ MW-3R
1430 Spoke to Ron about next move & he doesn't want to fill tank (H2O) to begin coring @ MW-3R due to time/weather. Spoke to JAD & he suggested putting curb box on MW-[illegible]R & lid/cover on MW-10R but Ron doesn't have sakrete to set curb box. Sms put well cap on MW-10R & I'll
1495 off-site

0800 start tomorrow
2/12/16

(20)

McAlpin 52115-16 2/12/2016

0750 Sms/JAD on-site
0804 Applus (Ron / Kyle) on-site
0825 finished setting up Sms Spoke to Ron about his plan; Ron & Kyle are setting up (MW-3R), filling H2O tank & thaw pig / equip.
0830 Dave V. (McAlpin) + JAD (D&T) meet with Mike (Dynamic) - obtain quote + authorize repair of power line in area of MW-19.

0845 Spoke to JAD - Applus MUST frame ground inside of PVC @ MW-19 today for excavation @ location Sat 2/13. Currently still thawing pig. After MW-3R we will go to the back (@ MW-

0915 Applus still thawing pig equip. / filling H2O

Rite in the Rain

(21)

McAlpin 52115-16 2/12/2016

0937 Applus begin coring MW-3R
Bob Long (DEC) at RWCS on-site

1000 losing a lot of H_2O w/coring

1025 SRF on-site/sampling.
Got C-1 core out down to 18.5'

1112 Spoke to Ron - got ~ 1/2 way w/ C-2 run (10') and losing H_2O everywhere - paused to thaw & re-fashion H_2O dist.

PB

1118 Resume coring/fixed tub/hose to eliminate H_2O loss

1145 lots of stop/thaw/go d/t freezing. ~~Done~~

1200 SRF off-site

1206 done w/ core to 27.5' w/ ~ .5' extra w/ first run ~ 28.0'
lost ~ 250 g downhole during coring
Spoke to Ron about grouting MW-19 inside PVC today

*

(22)

McAlpin 52115-16 2/12/2016

1215 prepping to ream - ~~Spoke to Ron~~ pulling/cleaning w/ch

1235 lunch break

BOB Spoke w/ Ron about plan - gauges keep freezing up & pig defrosting - going to wait until next Monday (2/15/16) to ream/finish MW-3R

1315 Ron to Home Depot for concrete to fence MW-19

1320 Kyle spent 8 mins decon-
1328 ning airpipe

Spoke to Jeff (e) - plans - went over decommissioning of MW-19.

Kyle is running/cleaning/washing out pig.

1400 Ron back on-site

Rite in the Rain

2/12/2016

Cont: Relayed mess. of ~~trem~~ pvc pipe @ MW-19 w/ grout. Getting H2O.

1415 begin filling MW-19 w/ grout mixing w/ 1" PVC.

1425 Done/Approx cleaning / pack up. ~~SMS~~

1430 SMS off site

2/13/2015 McAlpin 52115-16

0850 JAD arrives on-site. Dyna Mide personnell already on site - discuss with their Supervisor that soil must remain on-site - They understand and will re-use in excavation as backfill. They will only remove + take off-site the asphalt

Weather -11 to -4°F winds gusting to 20 or 30 MPH

Bob Long also on-site

915 - no CAMI monitoring will be conducted due to extreme cold + weather conditions - Bob Long understands - Also told Bob L. soil to be re-used in excavation + only asphalt to be taken off-site - OK w/ Bob

0930 Bob Long off-site, no work on saw repair started yet.

0937 - Dyna Mide readying equipment the stated they are waiting for RG+E which is enroute to the site.

0945 Dyna Mide starts saw cutting asphalt saw - having trouble starting saw

McAlpin 52115-16 2/13/2016

0955 Concrete saw successfully started and saw cutting asphalt is started

1000 Bob Long back on-site.

1010 Saw cutting stopped

1015 R&E on-site - gas + elec cleared

1020 Dyna Mole starts removal of asphalt.

1035 asphalt removed and set aside

1040 Start excavating soil + place in roll off as temp measure - it will be removed + re-used in excavation

1052 Samantha Thexmeier (DOT) on-site
~~Spec~~ → get pipe sizes & pics of process.
- dirt gets re-used on-site.

1100 Called Dave V. (764-3335) & told him there was evidence of H2O flow from broken pipe upon the first look for Dynamole. He is going to make a phone call & call back.

2/13/2016 McAlpin 52115-16

1112 Dynamole has to go off-site to get a 45 fitting as the break got pinched off that way. Said they'd be ~1½hr. / pipe exposed → Broken pipe is 6"

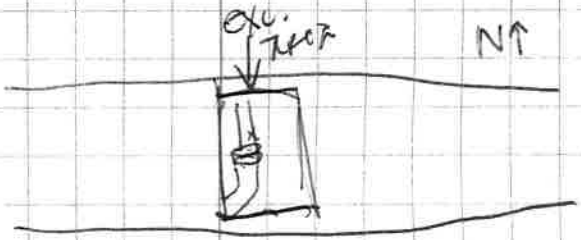
1115 Dynamole off-site

1122 SMS off-site

1133 SMS back on-site
Also Bob Long (DEC)

1141 Bob Long off-site; wants to have a confirmation in regards to Monday

1153 Dynamole back-on-site



- broke @ the 45° joint

McAlpin 2113/2016 S2115-16

1230 6" pipefitting is cut and now they're trying to work around the cap on the main joint.

1248 Pipi set/switching buckets to backfill

1325 Adam/Dynamole finished

1335 SMS off-site

2115/2016
S2115-16 McAlpin

0800 SMS/Applus on-site MW-3R planning to do.

0945 Spoke to DAD in regards to part for Applus to be delivered Tues (2116) Am.

Spoke to Ron about progress - pig won't turn on - unknown reason. Mc/Kyle are going to Home Depot to correct to set curb boxes & stack up crete pads.

0954 Applus off-site
1035 Applus on-site
1045 Ron asked about 20# propane tank - if they're able to use for torch - ~~Not allo~~ for thawing rig - can't in
- NO-SMOKING AREA -

(29) 2/15/2016 McAlpin 5215-16

1100 JAP on-site
1105 JMS off-site
1140 Drillers get drill rig engine to run
1215 drillers will try to ream @ MW-3R
1230 Reaming starts @ MW-3R (Ron doing it)
Kyle will ~~finish Tank wells~~ + ~~with~~ install curb boxes on Tank wells.
1306 Kyle working on MW-10R, he also finished MW-12R
- MW-10R - concrete pad installed
- MW-12R - curb box installed
1345 Reaming complete @ MW-3R, flush lines + hole clean up water in tub
1430 1 drum of drill fines, cuttings + 1 drum of drill water w/ fines + bentonite generated @ MW-3R.
1435 Install curb box @ MW-3R
1441 Move rig off MW-3R + start decon
1520 decon complete
1530 JAD + driller off-site

1000 gal H2O lost during reaming @ MW-3R | No drilling 2/16/16

52115-16 McAlpin
2/17/16 30°/clear (30)

0822 on-site w/ Applus - discussing plan of MW-1R
0840 Applus R cleaning off rig (~2" snow) Ron asked me to call contact/gave him delivered part
0850 left message for Dave V. in regard to availability of hose @ MW-1R

0908 Rig started perfectly, Ron/Kyle have pulled to front lot (clear of snow) to grab gasket that was delivered

0923 Dave V. returned call & is going to check for ~~[illegible]~~ water hose attachment. & will call back.

0945 Dave V. met us (Applus/me) at front / No water source available / He's leaving after next week
- Need new contact -

McAlpin 5211516 2/17/16

0949 Applus going to fill tanks w/ water @ MW hose (N side) to go to MW-19R

0952 Bob Long (PEG) on-site

1014 Bob off-site.
1015 Ron has decided to do the overburden well @ MW-19 due to the difficulty of getting H2O transported - snow/ hose/ availability

Called Dave to have (1) car moved from Balfour lot.

1112 Begin overburden well MW-19 ~5' E of old location
1145 Bob Long off-site
1155 MW-19 complete (w/o curb box) Checking for avail/access to water in consideration to MW-19R

MW-19 set to 10.5, 5' screen
Sand 1', ~2'

McAlpin 5211516 2/17/16

1200 Lunch for App.

1235 begin to strategize hose/ H2O for MW-19R & cleaning up after MW-19 install

1320 moving (2) drums @ MW-19/ 19R Staging area & begin set-up

1348 Secured H2O for coring @ MW-19R

1425 begin coring MW-19R
1455 5' Run → 18.5' bgs complete

1540 Pulling 10' Run → 28.5' bgs ~150g lost

1550 packing up to leave

1605 off-site
1605

0800 on-site
0810 Applus on-site
Spoke to Hmm re: plow/snow removal for rear (W side) well access
Waiting to hear from Dave K. @ McAlpin ~~getting~~ tho
Ron/Kyle (Applus) is going to ream MW-19R & begin transporting tho to MW-1R

0840 Set up camp

0900 ~~KS~~ begin reaming MW-19R
0940 Bob Long (OEC) on-site
0948 Reaming complete/end CAM
0952 McAlpin Ref (Temp) notified us that they're going to clear out pile (snow) to fill Nit tanks.

Ream. to 285 tho loss N 1505 20

1000 Snow removal @ Nit tanks
1011 Ron/Kyle clearing off semi-trailer

1034 Spoke to Hmm - Need to flag out 1st well on (W) side of bldg.

1045 Per Bob / poly tank? Development?

1123 Truck moved / Kyle is grating / curb boxing MW-19R

Kyle setting curb boxes @ MW-19 & 19R

1157 lunch for Applus
1200 flagged MW-13R
1230 Hosmer plow to remove snow

1236 Applus done w/ lunch
loading (2) drums to haul away from MW-19/19R area

Kite in the Rain

2/18/16 MCAlpin 52115-16

1253 Spoke to Dave K. - Snow removal @ 1Am tonight - need to find a spot for semi-trailer

1312 Spoke to tenants across st @ 282 Hollenbeck St. about poss. leaving semi-trailer parked overnight dirt plowing/snow removal @ MW-13R @ 1Am No other place to park - Left bus. card - said they would call me.

1340 Moved drums/decon begin

~~1413 done decon~~

1420 done Decon

1445 off site

2/19/16 MCAlpin 52115-16

0750 on-site w/ Applus; Ron, Kyle, Ben
They're going to get/fill large water tank to begin @ MW-13R

0835 drove out back (4wh) to check access after plow - looks good & clear for work/coring

0855 Driving rig to the back

0935 Bob Long on-site
Rig all set -

0940 began coring
0955 first (5') Run out 4.8' Rec

1023 done coring ⇒ 29.5'
~25g lost

1030 begin reaming
~150g lost

0800 Start 2/19/16

Rite in the Rain

1115 finished reaming/end CAMP
1150 packed up & off of MW-13R, heading to lunch (CApp)

~~Bob (DEC) off-site~~
~~1159 Bob (DEC) off-site~~
1223 Applus gearing up to prep for MW-1R
Decon begins

1230 Bob (DEC) off-site

1240 Decon Complete
1245 Dob on-site
1253 Getting set-up @ MW-1R/camp
~~1305~~
1310 begin coring

1340 first 5' run ⇒ 18.5' done
1410 coring ⇒ 28.5 complete
~130 g lost
1420 Reaming begins
Kyle/Ben begin de-mobilizing decon pad

1430 Capped MW-13R
Bob (DEC) off-site

1510 Reaming complete ~150 g
Ben off-site to get (2) more drums.

1550 Curb box set for MW-1R

1625 moving drums/containerizing decon pad.

1740 off-site

Spoke to Dave K about access tomorrow (Sat 2/20/14) - ok to be there for the couple hrs it's going to take Applus to pack up & demobilize
~11:30-12:00 start

(39) 2/25/2016 McAlpin 52115-16

2.25.2016

1330 TER/Sms onsite meet w/ Dave K. to set up.

1400 begin Recp → cams

1430 began @ E end of bldg w/ IA-08

1445 Can to NE side: location specifics

BG Samples

1420 Hmm on-Site

1500 Hmm met w Dave M walked site: renewed samps

1600 set up for dye testing

1607 TER began pink dye at Sump 1 (ie by compressors)

1620 Hmm observed pink at manhole

1625 TER began green dye at Sump 2 (waste water discharge)

(40) 2.25.2016

McAlpin 52115-16

1635 green dye observed at MH

TER added water to "hole" in top of rain. would not take water. blocked

catch basin in store room opened. added green dye

1702: Hmm observed green dye at manhole

1730 TER added green dye to trench drain by shipping/receiving

1735 green dye observed at MH

Rite in the Rain

(41)

McAlpin 5211 5-16 2.25.2016

18:17 pink started at Sump 3 (ie office sump)

18:25 no pink

18:30 TER! checked - sump blocked and water backing up

18:35 Hmm off-sk

3/3/16 0815 2115-16 (42)

McAlpin

0803 on-site / Hmm / SPR w/ water tank delivery for drill water.

0920 Hmm / SPR going to work on drains

0930 Calibrating PID / setting ready to pump MW-192 & Geo Balfour ~350 g to recover

5.40 SWL @ MW-192
0.5 ppm PID

1000 ½ ID tubing doesn't fit the monsoon (rental) called Wyatt the will call back w/ either a fitting or diff pump

(43) 5215-16 McAlpin 3/3/16

1040 off-site (sml) → Eco Rental tubing

1120 on-site
1130 SPP/Hmin off-site
1133 New tubing/set-up
1150 pump not working - suggested motor & cont. → Eco Rental/wrong replacement - pump still not working - will be ready in am
1200 Eco (off-site)
1230 on-site/pack-up

1300 off-site

with bfw pump either pm (if ready) or am.

bfw pump Q ~ 4 gpm

McAlpin 5215-16 3/4/16 23° @ 12:24

(44)

0625 on-site
texted Dave to let him know

MW-19R
SWL: 5.51
depth: 28.1
PID: 0.4

0645 begin pumping 350 gpm
0705 pump & working
0722 pumping w/ 6" pump
0745 ~ 1/2 55g drum
0755 ~ 2/3 of drum (55g)
0805 ~ 53/55g. move to 2nd drum
0813 ~ 1/2 full (2nd drum)
0819 ~ > 2/3 full
0823 moved to 3rd drum
0843 ~ > 2/3 / close to full
0845 packing to dispose → tank
(3)

Rite in the Rain

(45) McAlpin 52115-16 3/4/16

0849 SRK/Cat on-site working
open manhole w/ SRK

0855 Reposition to dispense to tank
0945 begin pumping MW-19R again
1000 Swapped fuses & now motor
cut of monsoon - Swapping
pumps to monsoon from GP

K.US begin @ MW-19
PID: ~~1.8~~ 2.4
SWL 5.83
depth 9.82

1015 Noticed monsoon (Eco)
not working → bk to
MW19R w/ GP pump

1126 3 drums full → moving
tank to empty
~15g pumped
(3) more drum to = ~150
2 drum + ~~2 drw~~
15 drums for
5 new

McAlpin 52115-16 3/4/16 (46)

1155 back to MW19R -
2 more drums to fill
will begin H2O qual.
@ 55 gal left

1210 begin last drum
+ H2O qual.

1221 Rain pent here to tighten
valves on tank

1232 Rain 4 rent off site

~~1258~~ begin pumping to tank
~~1259~~ H2O qual complete
1300 ~425g pumped out
begin decon
-1259 / cw

1315 @ MW-3R
PID: 4.1
SWL: 6.47
depth 28.57

(47) 3/4/16

McAlpin 52115-16

1330 Can't get tubing down past ~20 feet or so - begin pumping MW-3R (350g, 5x vent)

1340 ~25g pumped

1430 >2/3 drums full @ MW-3R

1500 3/3 drums to be disposed of to tank/still need 4 drums 4 5x vent @ pumped from MW-3R

1508 pump 150g → tank

1545 done & packed up

1558 off-site
texted Dave K (McAlpin) to confirm ladders W2S brought inside @ end of day
- All set per Dave

3/7/16 48/Sunny Windy

McAlpin 52115-16

1310 on-site @ MW-3R
SWL: 6.89
depth: 28.59

1320 begin pumping

1415 ~150 to tank for disposal

1450 pumping @ MW-3R

1540 ~125 to tank

1615 off site.

250
120
130
-125
5

Need (1) drum w/ H2O 4/20.

1430 - text Dave re: vehicle (blk Nissan) being moved until tank gone - he confirmed it will be done

(49)

3/8/16 McAlpin 52115-16 55°/ clear

0715 (gas for pumps)
0735 on-site / H2O

0740 pumping @ MW-3R
~45 g left to purge
(inc. thoguzol.)
SWL: 6.94
dep: 28.60

0838 done @ MW-3R / decon / pzd
0850 heading to 10R
0855 10R is extremely muddy -
~~once VZH is on stuck~~
~~will be moving to 4th well~~
called JAD about getting
truck back to pull out
out - will call back

MW-10R
SWL
depth
PID

McAlpin 52115-16 3/8/16 55°/ clear (50)

0935 JAD on-site to pull me
out -
0945 JAD off site
0952 moving to MW-1R
to remove 280 g + 5x weight
= 105 g

MW-1R (350 g total)
PID 3.0
SWL 6.76
Depth 28.29

1013 begin pumping (MW-1R)

1021 well pumped fast
20.45 SWL
Lenny Recharge
~15 g H2O out so far
~5 g - slow recharge

1030 flushed pump while
waiting - MW-1R very
turbid.

1053 begin pumping again -
much less turbid (visually)

Rain in the Rain

(51) McAlpin 5211S-16 ~~57°clear~~ 3/8/16

1113 ~30 gallons out - have to recharge again - pump not tapering well w/ draw/ recharge

1138 begin pump again
1156 end to recharge ~50g.
1243 begin pump agn
1222 end / ~15 gal.
1233 pump again -
1320 had a mid flow but went dry again
- at ~75g purged
1337 pump agn. -
1346 total ~85g out of MW-1R
350
-85
265 to go
1355 heading to tank to dump
1420 done w/ tank
1424 off-site

McAlpin 5211S-16 57° clear 3/9/16 (52)

0715 on-site, set-up, begin @ MW-3R
0725 begin pumping SWL 6.76
- check all drums for labels
- 12R is clear for travel.

350g(T)
- 85g (3/8/16)
265g

1125
1015 ~~150~~ out @ slower pace as to not stop

1044 ~130 → checked pump up
1054 ~150 / heading to tank (Get out)

1122 done w/ 150g

265
150
115

40
75

(53) McAlpin 5215-16 3/9/16

1124 off-site for more gas (lunch)

1215 on-site w/ 2nd pump/gas @ MW-12R

1240 MW-12R 60g + Extract (67g)
PID: 1.5
SWL: 8.61
Depth: 25.25 [T 1278]

1300 begin pumping ~10g out dry/stop @ MW-12R

1310 @ MW-1R ~~~40g out~~~ begin H2O grab. W/ remain 50g

1445 done w/ MW-1R
slow pump steady @ MW-12R

1453 ~25g out / still pumping

1508 heading to decant

1530 done decanting back to MW-12R

McAlpin 5215-16 3/9/16 (54)

1607
SWL 9.66
Dep 30.52 @ MW-10R2
PID 0.1

Spoke to JAD - drum count (19) ✓ labels

1612 pumping @ MW-10R
all drums labeled/counted

1643 on last drum for day @ MW-10R / stopped pump @ MW-12R
↳ total purged 350/60
↳ w/ SWENA = 127
- 35
92g remain to purge
~150g purged

1700 done for day @ MW-12R

1705 going to decant

1732 done / off-site

Rite in the Rain

(55) 3/14/16 McAlpin 52115-16

1045 on-site
Setting up Submers. pump @ MW-12R
SWL: 8.70

92g remain 3/6

1120
1020 begin pumping @ MW-12R
Sub. pump stm slow - dry fast/slow rech.

~~1230~~
~~1120~~ begin pumping @ MW-10R
1130 SWL: 9.64

10R SWL: 9.64
dep: ~~30~~.53

250 (+ rec)
70g
320
- 150
170g
- 50
120
50
70

3/14/16
McAlpin 52115-16 (56)

1240 begin H2O qual.

1305 decant 150g
~20g left / ½ H2O qual.

1325 done decanting →
setting pump off-site &
finish MW 10R H2O qual.

1336 on-site @ MW-12R
~9g + 6g = 15g

92
- 15
77

1340 back to MW-10R to finish H2O q.

1405 done w/ ~320g MW-10R / H2O
MW-12R
~9g 77
- 9
68g left

1425

(57) MW Alpm 5211S-16 3/14/16

1430 decanting last drum

1445 off site

WCA 1p.m 5211S-16 3/15/16 (58)

45° clear

0740 on-site @ MW-12R

0753 begin pumping 10

SWL: 8.62 68g left to purge

d: 29.28 -148

54

0806 heading to start MW-13R [calibrate/change batts this am]

PID: 1.1 BG: 0.3

SWL: 10.97

dep: 30.95 175g lost

+ 65g (5x well V)

0835 begin pumping 240

0855 VERY SLOW @ MW-13R

HIGH turbidity

- only ~15g -

0920 less turbid ~30g

-1029 ~80g -

-1130 ~120g -

240

-120

120

(59)

~~3/16~~ 3/15/16 McAlpine 52115-16

1137 Heading to MW-12R (in filling drums to decant

54
-9
45 g out - dry
will do H2O Qual @ next interval

MW-12R

1145 Heading to decant

1215 done w/ decanting - MW-13R
120g left to purge

MW-12R ~~MW-13R~~ off-site/lunch

on-site/

1225 begin pumping MW-13R
still slower flow, but a lot less turbid

1233 ~~going to~~ check SWL @ MW-12R / still slow recharge
SWL: 14.81

1250 pumped ~20g - (MW-13R)

3/15/16

(60)

McAlpine 52115-16

~~1220 35 40g~~ SS

1342 ~80g
Start H2O quality for MW-13R ~~1220~~

1348 H2O qual.

1458 done w/ H2O qual

1500 begin H2O qual @ MW-12R
SWL: 12.15

1518 ~14g out ~30g left
~~finished~~ dry

going to
1520 decant

1543 off-site

(61) 3/16/16 McAlpin 52115-16 -43° over-cast

0745 [cal'd PID]
[0750 (gas)]
0808 on-site / text Dawck for ladder @ tank

@ MW-12R
SWL 8.82
dep 29.20

0825 begin pumping for [30g] of H2O goal.
0830 begin H2O grab.
0915 done w/ ~7g left.

Manor City water on-site sampling MW Eff. (8920 gal-ish)

0920 decon
0940 decant buckets

0951 MW-19 [0.5 < 5 well vol = 2.7]
SWL 6.49
dep 9.78
PID 1.8

3/16/16
McAlpin 52115-16 (62)

1029 4g out VERY cloudy / brown / turbid.
steady flow / slow

1038 H2O quality @ MW-19

1105 Total ~20g out of MW-19

1108 begin decon / decant

1119 begin sampling tank (RW5)

1130 done sampling
MW-12R for last H2O grab.

1140
~~1138~~ done w/ MW-12R
packing up / decon

1148 off site

text Dawck to bring ladder in

(63) McAlpin 52115-16 3/22/16

-Purpose Ext Geoprobe Locations
13:00 HMM + JAD on-site checked in
- rigged drum tilted off pallet -
13:10 began flagging / painting ext Geoprobe locations
13:50 Completed locations, moved TB-L to east of former oil shed due to gas + electric

Met with Dave Krieger and looked @ TB-I, TB-M, TB-V, TB-X, TB-Y + TB-Z locations.
- due to potential unknown sewer path - we need to hand dig TB-I
- due to buried electrical we need to push TB-M possibly 7' to north
- due to unknown conduit (buried) location TB-W, X, Y + Z will need to be cleared by an electrician - possibly hand dig to 4' bgs

1440 - HMM + JAD off-site

(64) McAlpin 52115-16 3/24/16

Walk through prep for Monday
7:00
HMM + SMS on-site
- reviewed drilling locations
- reviewed locating spots for O'Connell
7:15 HMM + SMS off-site

McAlpin/OBI 52115-16 3/28/16
(65) - 54° Rain -

0650 on site w/ SFP (SMS)

0702 Chazd/TREC on-site
0710 TREC setting up
DAY calibrating inst's

0738 DEC Bob L on-site
0740 TREC begins digging

0800 finished - heading to ~~TB~~ SS-2

0824 Spoke to Dave & Ray - check for H2O @ TB-P SWL: 10.9
bailed / no H2O -

0912 called Ray i.e. TB-H ref @ 10.8'

0914 Oconnell/AL on-site

0953 call Ray TB-H
will have OConnell clear new spot.

DEC offsite

3/28/16 McAlpin 52115-16 (66)
SMS &

1016 Chazd/TREC walking w/ OConnell to clear ~~TB~~ ~~TB~~ new location OK >2.0' N

TB-1
TB-M
ok for digging

TB - W, X, Y, Z all need to be moved at least 2' from where ~~TB~~ TB-W is located all the way around trans.

1055 OConnell off-site

1113 Spoke to Dave about TB-M
TB-1 - ok to proceed

1130 Called Dave for update w/ trans. - will call back after speaking w/ Frank S. (DEC)

JEFF finishing the details

Rite in the Rain

(67) 3/28/16 McAlpin 52115-16

1150 TREC moving to TB-1

~~MB-W~~ → 3' NW

0-12" hand. X, X, Z (PCB only)

Dave - Retrieval TB-W
fill - sample VOC/all
no unless PID deeper

Heather TB-M moved/
cleared elec.

1215

~~1230~~ - TREC lunch

1245 ~~TB-W~~ - Fill Sample
Ø PID

1340 Checked TB-P - NO H2O

1345 TREC off site
SRK/SMS Rinsate

1400 SMS/SRK off-site

3/29/16 McAlpin 52115-16 34° Sunny (68)

0805 onsite w/ DSC/
TREC

0820 TB-H (NEW) began
start Camp

Stake to Dave/Ray -
M19-15 ft augers for
well location

0900 Hmm on-site for interior PID
0919 B16 (OCC) 40-48' sump screen
0920 Surf TB-P 10.7'

0925 Dave - Surface samples
@ transformer

We will use 2
Rounded trowel for digging safely

[Augering @ TB-H]

(69) 3/29/16 McAlpin 5215-16

1010 Ray TB-H - try going further (>12')

1018 ~~xx~~ move/relocate ~5' west

1020 Batteries for plastic needs to be replaced / Hmm off-site to retrieve

~~1040 [illegible]~~

1054 Hmm ~~xx~~ on-site

1100 ~7' deep w/ auger @ TB-H

1120 TREC off-site for lunch
Spoke to Ray - TREC is @ 6.7' & can't get deeper - move to last location (sample) & install well.

1155 ~~1200~~ Nick H. on-site

1200 completed surf. samples around transformer 7-8" deep. (PCB only)

1205 Nick off-site
TREC on-site

3/29/16 McAlpin (70) 5215-16

Per Ray

1208 5' screen in TB-H

1235 Hmm off-site
well being set (MW-H)
~~Camp~~

1250 Set-up @ TB-P/MW-P
CAMP

1310 BOB (PCC) on-site
- Surveying - NE 37.9 / SE 64.5 MW-P

1344 Bob off-site

1400 Steve Stolen TREC on site

1445 13' w/ auger @ TB-P / ~~no owen~~
Steve off-site

~~[illegible]~~ No well per Hmm - ✓ for 1120 3/30/16

Set-up @ TB-M
Spoke w/ Hmm to confirm location NW of original

1500 begin ~~xx~~ Geo for sample @ TB-M

Rite in the Rain

(71) 3/29/16 McAlpin 52 11 S-16

1520 Hmm said to not install well until centering rod is here 3/30/16 for depth

1530 Begin TB-1 for sampling TREC/Curtis off-site

1600 TREC/Curtis off-site

1615 Done w/ TB-1 off-site

3/30/16 McAlpin S211 S-16 (72)
~46° sunny

1205 on-site w/ TREC/Curtis

1209 Setting up at TB/MW-M

1238 Begin well centering core/bit @ MW-M

[1248 Almost @ 10.0']

1315 backfill TB's w/ cuttings

1345

MW-M
- 11.0' GeoProbe
- 12.0' auger + well loop

MW-P
11.7' SS
15.0' auger (~12-12.5' +)

1355 Marked spot on auger to use as advancement

1415 No advancement / rig jumping

1425 MW-P
SWL: 10.6
Dep: 12.0

(73)

3/30/16 McAlpin 5211.5-16

MW-M 5' Screen
Swl/depth 12.5

MW-P Swl @ 0.4
dep: 11.73
~1'/half hr.

Bailed only (1) full bailer
went dry w/ (6) 6211.5/all
lower (less H2O) than
last
-Pet Ray/will check tomorrow 3/31/16

1535 Hmm on-site for interface
walkthrough

1649 TREC/DAY off-site
(lunch)

1705 SMS on-site

1720 TREC on-site @ TB/MW-P

1740 moved ~1'(s) of TB-P for sampling
begin:

1815 ~13.5 MW-P (marked sample)

1835 ~0.1'

1837 Pet Ray - install MW-P

~~1840~~

1930 done w/ MW-P

1937 @ courtyard to start
coring concrete @ TB-G & TB-H

2005 off site/TREC off-site

3/31/16 McAlpin 5211.5-16 inside (74)

~~1205~~ on-site

1240 Chad/Trace on-site
meet w/ Jim F. re: intrusive
work over lot's. Chad
concern w/ TB-L, D, C
machines/elect.
concern Hmm - update
Rodney Olsen - keep aware
of times/days for Saltzer

1323 Chad calling re: elect.
not comfortable w/
a few locations

1330 Set up

1400 @ TB-6 begin

BG: PID 5.7

1405 Hand to Allocation of
Sampling ↑ PID d/f
exhaust from rig

-below-

1500 TB-4 pipe/trench (S/T)
Sample ~1'-1.5' (4oz)

Location 5035

Field-Sample
[dup2
MS/MSD same label
etc

(75)

3/31/16
McAlpin
S211S-16

2' Sand

1515 10' Scr
5' Rise
— 15.1

1530 Field Day. }
(0800) @ TB-TT }

1600 @ TB-TT

1630 TREC (Eric/Chad) working on circle buyer, would I sample.

1700 TREC @ TB-J

1740 — TB-V

1830 Chad drilled TB-CC/K
Lunch - off-site DAY / TREC

1900 On-site All @ TB-K
drilled TB-K & TB-CC before lunch

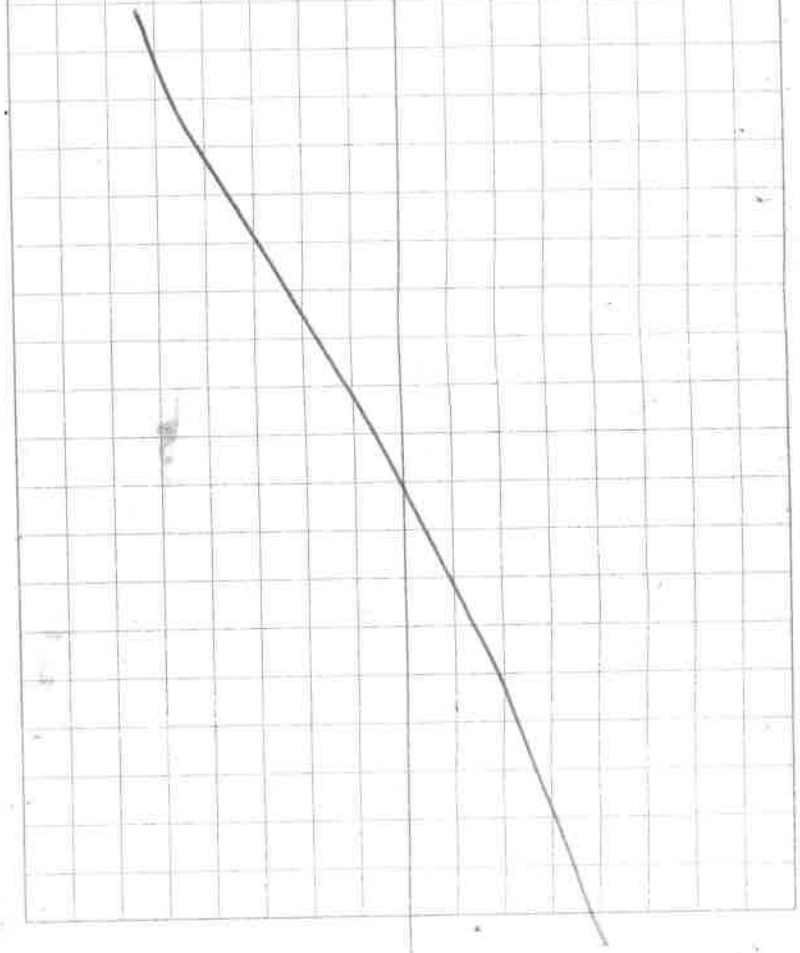
1920 begin @ TB-K

— TB-BB/Trench — Hmm

3/31/16 McAlpin S211S-16
per Hillin
(76)

TB-BB (Sand/Gravel)

2030 off-site / TREC off-site



77 4/1/16 McAlpin 5211S-16 // inside

(1220) Soil from each x 2 (4 oz) (5035)

ofc. label
well etc

MS/MSD

1300 onsite w/ TRC -
curl bag @ MP-H
SWL 10.59
~~MP~~-? ~~depth~~ to 13.67
MW PID 8.10

~~MP~~-H SWL 6.4
MW depth 11.13
PID 0.8

~~MP~~-M SWL 6.89
MW depth 12.2
PID 1.1

4/1/16 McAlpin 5211S-16 78

1315 TREC (S.W.) here on-site

1330 Chad ~~to~~ did set curl to box @ MW-M (+MW-H+) is @ MW-P currently

1400 Chad looking for clc (TB-C) moved? (E/NE)

TB-E (trolltaves) - move? [TCE] (W.)

TB-B

1420 Spoke to Hmm - she's on way

- TB-A (marked)
- TB-C
- TB-Q (move)
- TB-D (looks ok)
- TB-E
- TB-DD (ok)

1500 began set-up for Geoprobe sampling

Rite in the Rain

79 4/1/16 McAlpin 52115-16

1504 SW 7.76
MW-G depth 14.87
PID ~~8.55~~ 22.2

TREC is coring concrete
@ AA / BB
– TB –

1509 @ TB-CC

1530 Hmm on-site / sampled TOCC
1600 drill @ TB-~~AA~~BB

1636 Hmm off-site /
log loading Δ (direct)

1800 Chad off-site / break
1820 Chad on-site

1835 [TB-Q]
If we can't advance fast deep enough for well - it will be protected thru Tuesday

1920 @
~~1955~~ TB-DD (clean)

80 4/1/16 McAlpin 52115-16

2030 wrap up @ TBDD
clean up
Mike (maint.) format
Storage

210
~~0700~~ off-site / TREC / DAY

4/4/16 McAlpin 52115-16

(81)

1320 On-site
1330 TREC on-site
TREC working/pumping
- TB-F
- TB-L - TB-E
[1400 Linde truck for Nitrogen]
1420 done w working/Set up
(Sump ~ 2' deep) Hit GCD
1515 done w TE-E and A.S.S
1536 CH2M working for Curb box
for MW-L
1545 @ TB-F
1630 @ TB-L
1700 TREC/Winch
1730 TB-L done/
1750 TREC cored TB-C
TB-A

[Chad Well coring TB-B]

4/4/16 McAlpin 52115-16

MW-B/D/G/R

Coring of all wells done (82)

1930 TB-A/TB-C done
TREC @ TB-E
2130 TB/D & TB/B done
all coring/GEO done
2130 TREC off-site
2200 Sims off-site (DAY)

(83) 4/5/16 McA1f... 5211S-16

1330 TREC 1 DAY on-site

1355 met w/ D. Mok. about schedule/access
Hmar - for options

1408 Rig set-up @ MW-B
1425 Trying to saturate exhaust line
1447 begin drilling/auger

1615 Water level = 11.1 thru auger

MW-G @ 7.5 SWL

1620 well @ MW-B is set
1647 well @ MW-B finished (w/o cork)

MW-G bailed ~2g + stei 7.5
@

1700 setting up @ MW-Q

- MW-P to 6 SWL

NaOH, HNO3 — 4/5/16 Dist. H2O (6) 1/88 [new date] (84)
5211S-16 — MSMSD 4-6 (400) ...day 5

4/5/16 McA1f... 5211S-16
725 - MW-M full of H2O - needs pump

pin on Rig broken/Chad fixing

—

1830 MW-B @ 7.2
bailed ~2g/

1845 pin fixed -
1849 broke again

1855 MW-B @ 7.1
depth 11.3

1920 replaced pin x2 / drilling

[Rinsate]

1958 TREC off site to Home Depot for new ~~bit~~

2035 TREC on-site

(85)

4/5/16 McAlpin 52115-16

2100 Spoke to Hmm/PCF Chad
they can't fix rig - will
figure plan for Wed 4/6/16
in AM
Still need outdoor GEO.
planned for Wed.

~~TREC stripping & ~~cuttings~~ ~~cub box~~ @ MW-8~~

2200 Rinsate done w/ auger
2205 TREC off-site
2215 DAY off-site

4/6/16 McAlpin 52115-16 (86)
30°/Snowy wind

1000 TREC/DAY Svcs on-site
1005 JAO on-site
1020 Start @ TB-H1
1040 @ TB-W1
1100 @ TB-R1
1120 @ TB-M1
1200 TREC Chad off-site for
more sleeves
[1230 Rinsate]
1235 Chad/TREC on-site
moved drums
JAO off-site
1340 Chad done w/ TB-P-1
TREC/Eric on-site

(87) 4/6/16 McAlpin 5211.16

1427 all drums staged / labeled
TREC loading up

1453 Curb box @ MW B -
SWL: 7.1

MW-M
SWL 6.65
Depth 12.2

1515 J-plugs in all wells / backfilled
installed
clean up
TB's

1523 DAY TREC off-site

17:00 low level ROCs to go!

4/14/16 McAlpin 5211.16 (88)
46° Sunny

1245 on-site / set up

1305 Brian / Co. dropped off permit

1318 off site (Brian)

1324 Begin pumps

1340 Spoke to SAO
pump ~ 7gpm
will finish today

1500 Got pump 2 leveled/tapered out
W pump (1) = 10gpm

1720 pump 2 out of fuel

1740 pump (1) out of fuel

1750 off-site

will return in Am

4/15/16 McAlpin 5215-16 40° Sunny

80

0615 fuel
0628 on-site
0640 begin pumping

0703 Can't pump anymore

0730 called SAD - will be out to help flush tank

0739 set-up hose - SAD bringing another

Tubing disposed of & all packed up

0803 SAD on-site - flushing

0920 SAD off site

0940 packed up - emptied sediment to drum

0943 off site

4/15/16 McAlpin Criterion 5215-16

90

1345 TREC / DAY on-site
- Eric/Jim A. TREC
- SMS
Sign in/badges

1400 SWL: 7.86
MW-G depth: 14.38
PID: 171 ppm
Hush petro odors

1405 meet at night locks
We will begin @ MW D
Then go to MW-G

1505 Can't get to MW-B - trying to get pallets at curb out of way

MW-H & MW-M are under H2O

1520 Set up @ air machine
Line up probe

(91) McAlpin 52115-16

MW-D

1540 thru first 5' auger

1650 setting well @ 12.2' w/ 5' scr.
MW-D

Sand to 5.2 bgs
bentonite to 1.2 bgs

1740 setting up @ MW-Q

1750 lunch

1815 back from lunch
@ MW-Q -
(start @ 2120)
Filing bit to fit.

1847 begin auger

1930 term./ret. @ 12.2'
MW-Q
5' screen

~~Has not reb - sand~~
~~SMS @ 5100: 11.6~~ ODM

52115-16 McAlpin (92)

~~7000~~

12.2 thick Petro
7.2 ODM
5.2 sand
1.0' to bentonite
0.6' to sand (top of bent)

2015 wrapping up.

2025 cement for curb box

2100 packing up / drums locked!
~~drums need paint~~
~~label~~

2130 off-site DAY/TROC

McAlpin 52115-16

93

12:10

12:24 on-site w/ Jim / TRRC to put well extension on MW-D

12:50 off-site

105

McAlpin 52115-16 (OBC) 5/6/16

94

0800 on-site
Dave K. wants Jim to call in regards to Dynarole.

0805 secluded MW B for devel.

PID Background 6.6-6.8 @ MW-D

0822 down well:
PID : 104 ppm
SWL : 7.48 ppm
depth : 12.1 HIGH ODOR

MW-D →

0840 begin pumping
10 x = 2g
well

.04
1"

0940 done w/ MW-D ~2g total
SWL : 7.49
depth : 12.11

0952 set up @ MW-B

McAlpin 5215-16 5/6/16

MW-B

PID: 28.1 BG: 0.0
SWL: 7.47
Depth: 11.33

~1.6g to be removed

1008 begin pumping MW-B
very turbid.

1045 done w/ MW-B SWL: 7.48
2g removed. Dep: 11.35

1100 MW-9

PID: 28.6 BG: 0.0
SWL: 8.05
Dep: 11.54 High DO2

~1.6 to be ~~removed~~

done w/ MW-9
1150 SWL: 8.05
Dep: 11.94

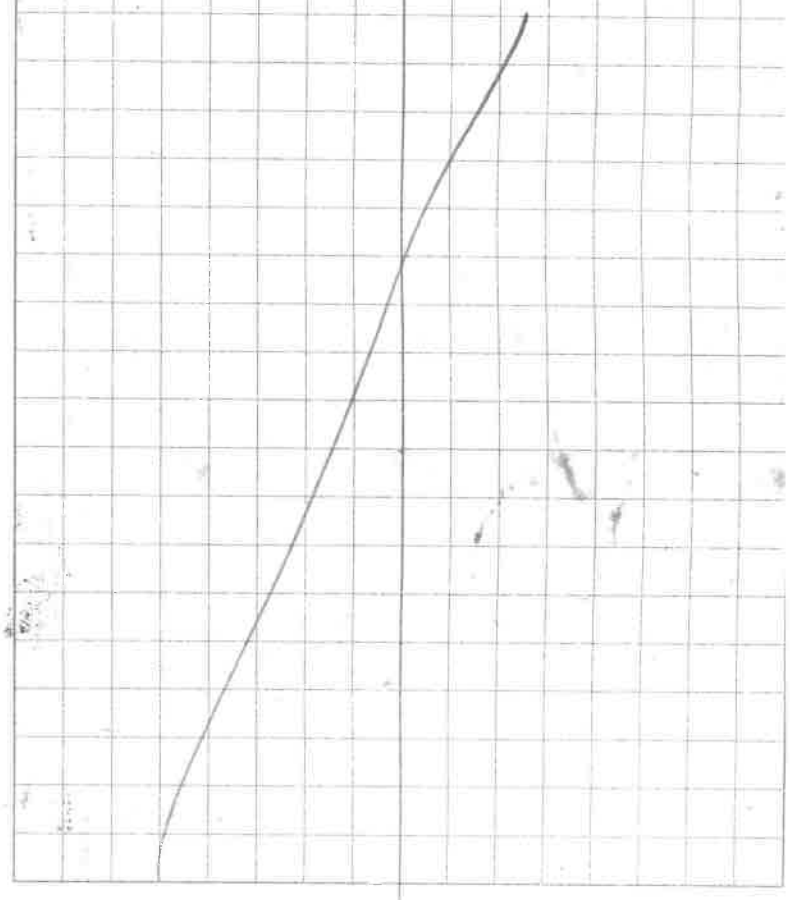
1155 MW-6 set-up
MW-6 PID: 104 BG: 0.0
SWL 7.66
Dep: 14.4

~2.8 to be removed

McAlpin 5211-16 5/6/16

1245 SWL: 7.45
~~14.45~~ 14.45
~3g total removed.

~~1250~~
~~1300~~ off-set



(97) 48° Sunny/cloudy 5/9/16

McAlpin 52115-16

0940 on-site

1020 PID: 1180

6.96

~~8.86~~ 9.84

MW-A

clear/odor

Needs 2.4g removed = 10 x 8 oz

(2nd)

6.94

9.84

1130 back up @ MW-19

Set-up @ MW-P

~~1140~~ Sent team back up hogs

1140 PID 3.8

MW-P SWL 10.44

dep: 13.62 Needs 1.2g removed

turbid

1150 begin pump @ MW-P

SWL: 10.67

dep. 13.65

1250 close-up / move to MW-H

1257 PID: 7.9 Needs 1.8g

MW-H SWL: 6.64 removed

dep: 11.12

McAlpin 5/9/16 52115-16 (98)

SWL: 11.10

1307 ① H2O again → work MW-H dry

Set up @ MW-M

1315 ✓ MW-H SWL: 10.9

PID: 0.7 2g H

MW-M SWL: 7.16 to removed

depth: 12.11

1435 done w/ MW-M

~2.5g out - / dry, mud 2L

✓ MW-H SWL: ~~10.9~~ 10.2

1450 off-site

McAlpin 5211S-16 Sunny/54° ~~5/12~~

(99)

0845 on-site

	SWL	depth	PID
0855 MW-H	7.09	11.11	5.8

0903 Set up pump (@ MW-H

Needs 1.6g removed

0908 Reading #1

0933 Reading #2

0953 Hmm wants another 1/2hr ✓SWL

1020 Not enough H2O to get another reading -

SWL: 11.11

~.20-.25 removed - DRY

1035 off-sit

McAlpin 5/12/16 | 5211S-16 (100) 63° Sunny

0900 on-site W Trent

0908 heading to west end @MW-3R

0942 @ MW-H/MW-N/MW-~~3R~~ 3R

1151 Heading inside (MW-D)

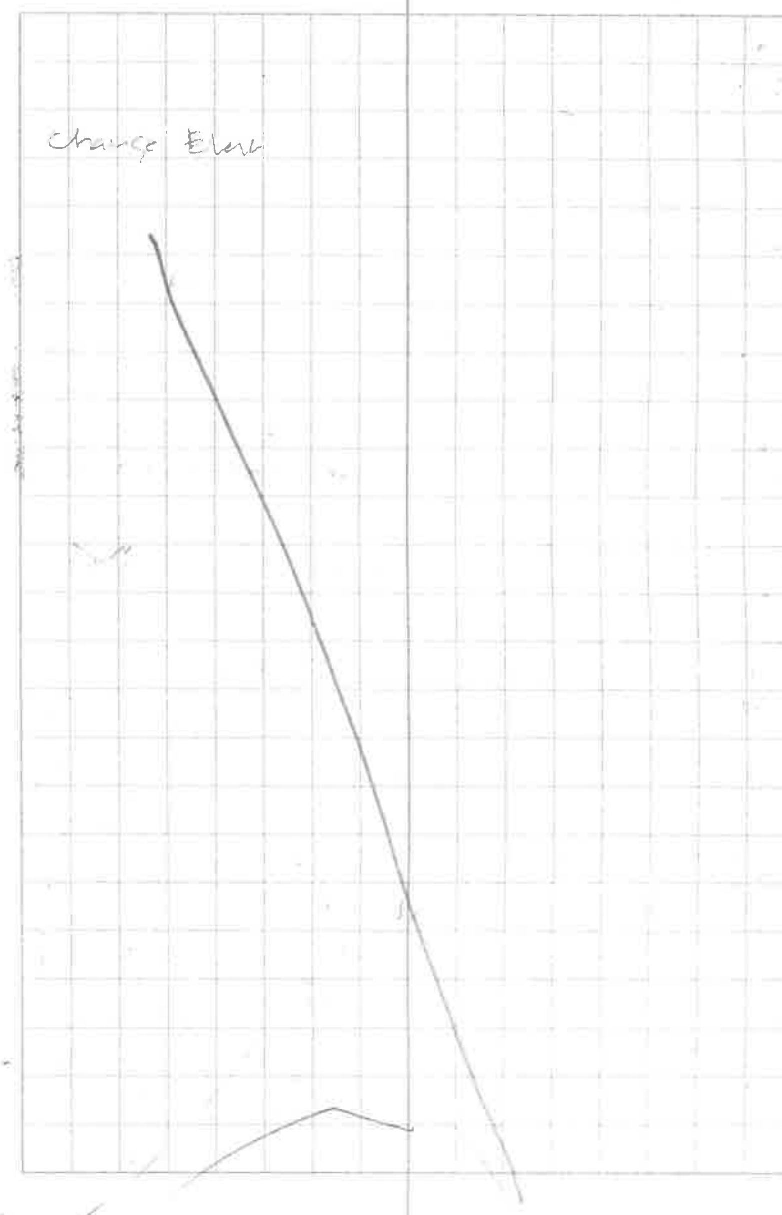
1307 Done w/ Survey

1315 off site (W Trent)

McAlpin 52115-16 5-12-2016 T. Wellott S. Shoemaker

Shot	+	HI	-	Elev.	
Rim MW13 N	0.67	457.25		456.58	
RTU 12 NW corner			5.26	451.99	451.89 (looks bad)
King Unit NW corner			5.25	452.00	452.01 ✓
RTU 11 NW corner			5.23	452.02	452.05 ✓
MW13R N Rim	~~1.59~~ 5		1.59	~~64~~	455.66
Rim MW-13 N			0.67	456.58 ✓	
RTU 10 NW cor.	3.68	455.68		452.00	
~~MW-3 N Rim~~			~~4.00~~	~~451.68~~ 55	
RTU 11 NW corner	3.72	455.77		452.05	
N Rim St. manhole			4.05	451.72 ✓	451.71
Top CI cleanout NW corner			2.92	452.85	
TP-1			3.62	452.15	
RTU 11 NW corner			3.72	452.05 ✓	
Top CI cleanout NW corner	3.99	456.84		452.85	
TP-1			4.69	452.15	
RTU 10 NW corner			4.84	452.00	
MW-H N Rim			5.64	451.2 → 451.2	
Top MW-H well (PVC)			6.12	450.72	
MW-3 N Rim			5.15	451.69	
MW-3R N Rim			5.27	451.57	
MW-M N Rim			5.54	451.30	
MW-M Top well (PVC)			5.82	451.02	

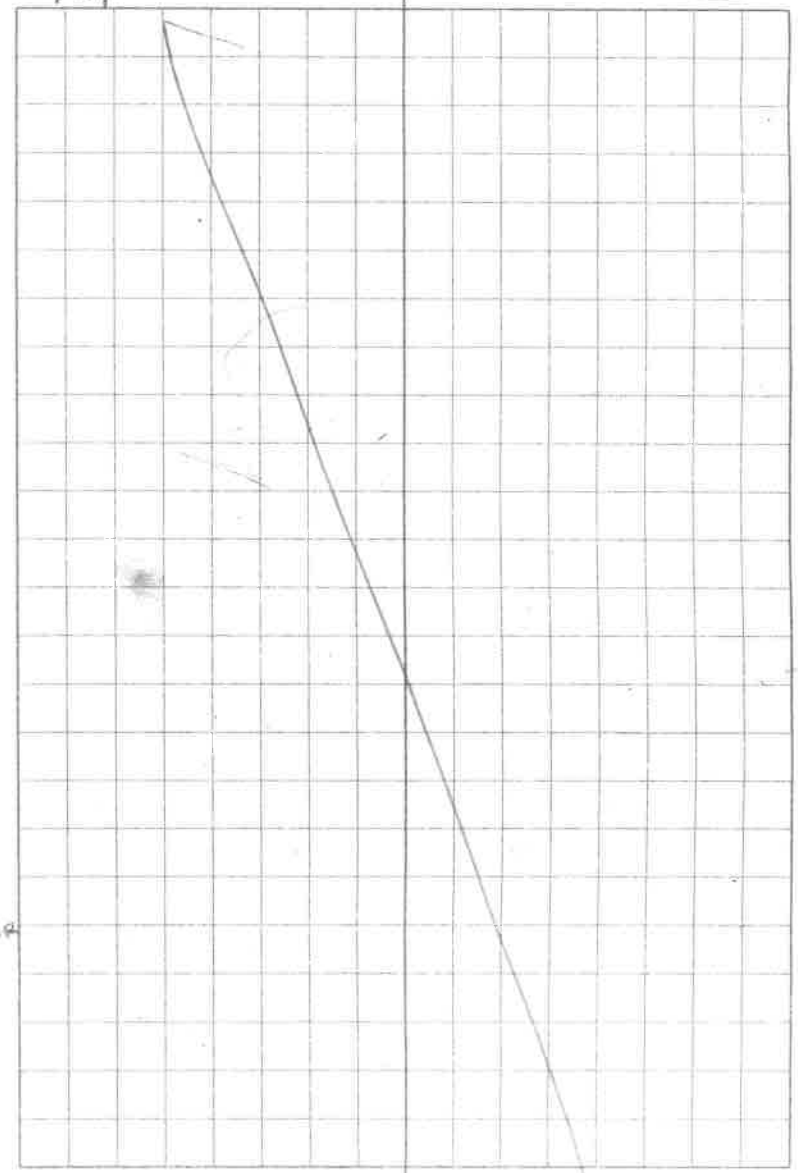
DBI, 52115-16 5-12-2016



5-12-2016

	+	HI	−	Elev.	
		456.84			
NEAR MW-5 CONC SLAB NW CORNER			5.17	451.67	
NW CORNER CONC. SLAB AHU			4.38	452.46	
RTU 10 NW CORNER CURB			4.84	452.00	✓
NW CORNER CONC SLAB MW-5	4.25	455.92		451.67	
NW CORNER CONC SLAB AHU			3.46	452.46	✓ AHU
NE CORNER CONC SLAB AHU			3.50	452.42	NEAR MW-10P AHU
MW-10P N RIM			2.85	453.07	
NE CORNER CONC @ STAIRS			3.24	452.68	EXT. STAIRS NE CORNER
NW CORNER STORAGE BLDG			3.26	452.66	E. of main bldg Underground
NW CORNER CONC SLAB MW-5			4.25	451.67	✓ NEAR MW-5
NE CORNER EXT. STAIRS	4.40	457.08		452.68	CONC. SLAB
NW CORNER STORAGE BLDG			4.41	452.67	E of main bldg Underground
MW-12P SCH 40 N. RIM			4.44	452.64	
TP-2			4.58	452.50	
NE CORNER EXT STAIR			4.40	452.68	CONC. PAD NE CORNER BLDG
TP-2	3.69	456.19		452.50	
MW-1R N. RIM			5.02	451.17	
SE CORNER CONC SLAB (SLOPED)			4.90	451.29	Pedestrian-NEAR MW-1R DOOR ON S SIDE OF BLDG
NW CORNER CB FRAME			6.53	449.66	
TOP BOLLARD @ FIRE HYD.			4.30	451.89	
TP-2			3.69	452.50	✓

McAlpin 5-12-2016



Rite in the Rain

~~NW Edge~~ SS

McAlpin 52113-16

5-12-2016

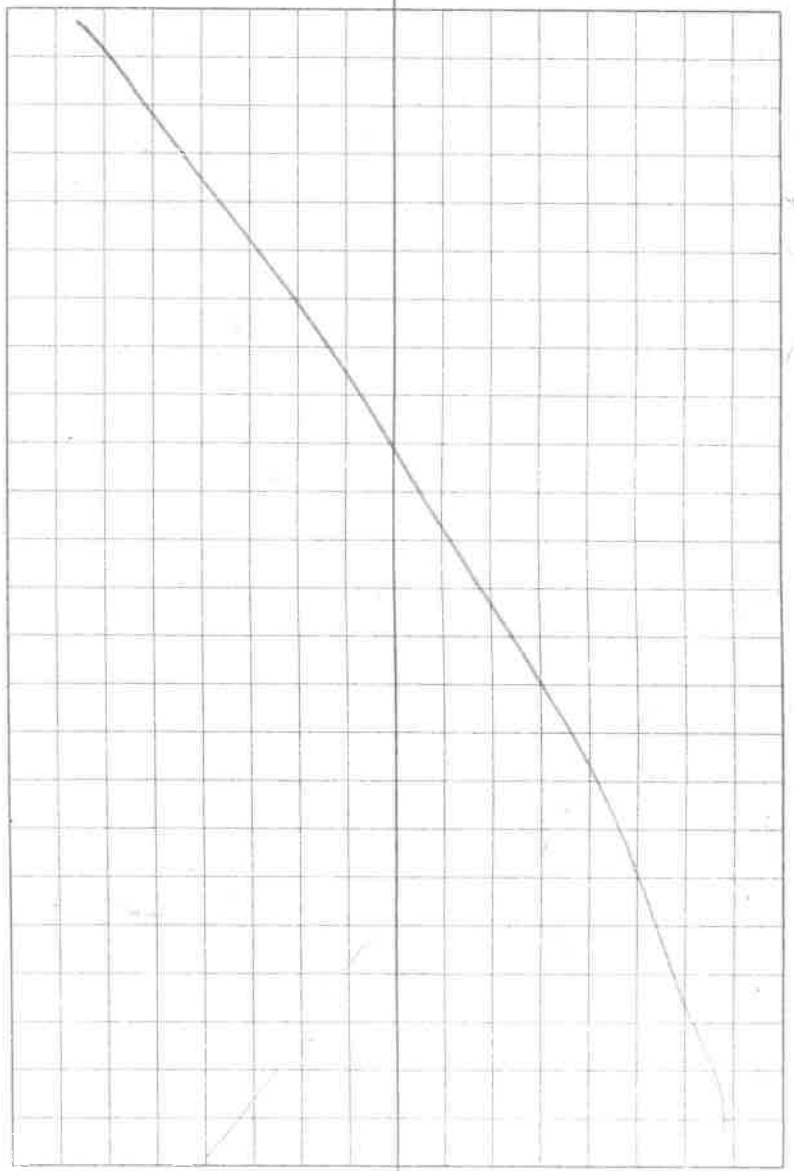
Shot	+	HI	−	Elev.	
N corner CB frame	6.55	456.21		449.66	
Top bollard @ Fire hyd.			4.31	451.90 ✓	
NW corner LP#5 base			4.32	451.89	
N corner CB Fram			6.55	449.66 ✓	
NW corner LP#5 base	3.84	455.73		451.89	
MW-19 N. Rim			4.11	451.62	
MW-19R N. Rim			4.29	451.44	
RCS monument Balfour Dr.			5.38	450.35	Balfour/NE
NW corner LP#5 base			3.84	451.89 ✓	
RCS monument	4.38	454.73		450.35	Balfour
MW-19R N. Rim			3.29	451.44 ✓	
Smoking door threshold			2.75	451.98	Balfour Dr. threshold
MW-19R N. Rim			3.29	451.44 ✓	
Smoke door threshold	4.22	456.20		451.98	Balfour Dr.
TP-3			4.18	452.02	concrete floor
TP-4			4.18	452.02	B/W TP-3 & MW-D
TP-5			4.18	452.02	Near MW-B
Smoke door threshold			4.22	451.98 ✓	Balfour Dr.

5-12-2016

(107) McAlpin 52115-16 5/12/2016

Shot	+	HI	−	Elev.	
TP-3	3.74	455.76		452.02	
TP-4			3.74	452.02	
MW-D E. Rim			3.70	~~451.98~~	452.06 MW-D
TP-3			3.74	452.02 ✓	
TP-5	3.72	455.74		452.02	
MW-B E Rim			3.70	~~452.05~~	452.04
TP-5			3.72	~~452.02~~ ✓	
TP-5	3.78	455.80		452.02	Near MW-B
TP-6			3.67	452.13	Near MW-Q
TP-5			3.78	452.02 ✓	
TP-6	3.69	455.82		452.13	
MW-Q S. Rim			3.67	452.15	
TP-6			3.69	452.13 ✓	
TP-6	3.55	455.68		452.13	
MW-G N Rim			3.64	451.99	
Top PVC MW-G			3.94	451.74	TOC
TP-6			3.55	452.13	

5.12.2016 (108)



Rite in the Rain

109

5-12-2016

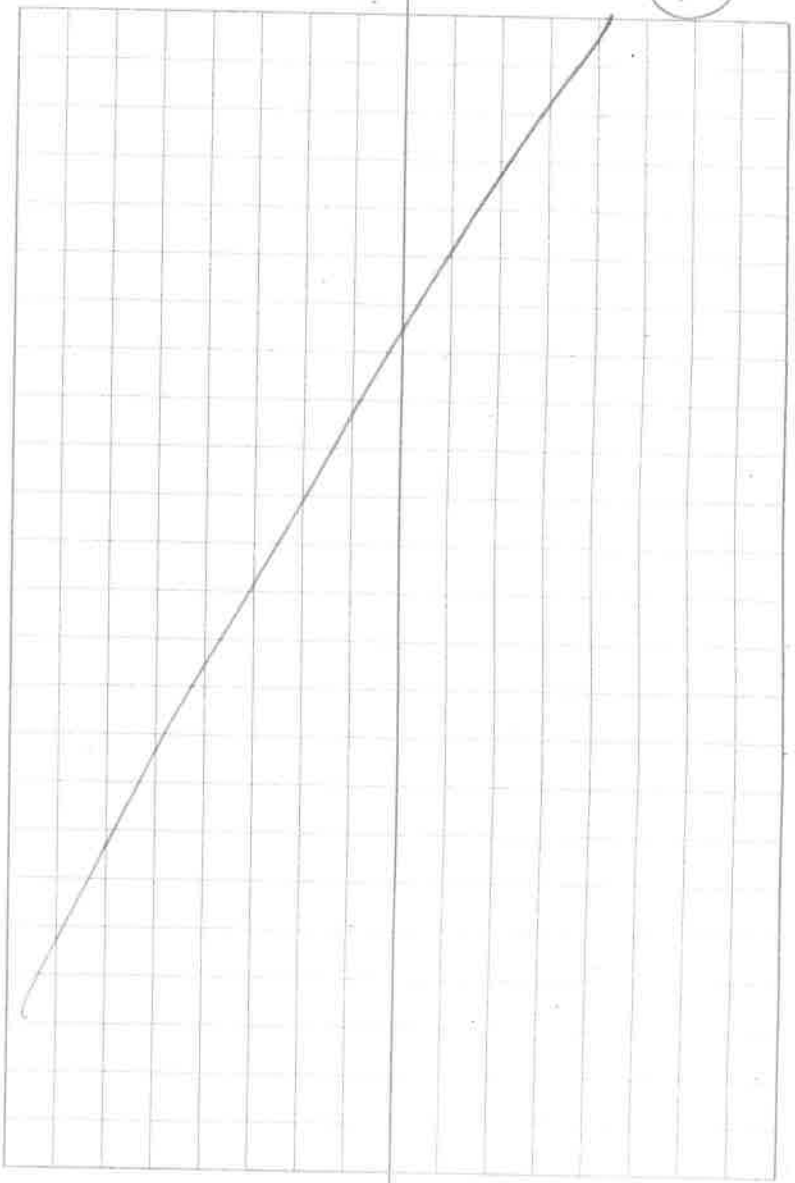
MW-4 Rim 5-11 5-16 ~~Error~~

Shot	+	HI	-	Elev.
MW-3R N Rim	4.25	455.82		451.57
MW-G N. Rim			3.83	451.99 ✓

NAD

5-12-2016

110



Rita on the Run

5/18/16 McAlpin 52115-16 | 50° sunny

(111)

457.63

Sta	+	HI	-	Elev	
NE corner ext stair	4.95	457.63		452.68	main bldg
MW12-R N. Rim			5.00	452.63 ✓	
NW corner storage			4.97	452.66 ✓	
NE corner conc. slab			5.24	452.39	Hollenbeck storage bldg
NE corner ext stair			4.95	452.68	main bldg
NE corner conc. slab	4.56	456.95		452.39	Hollenbeck storage bldg
MW-P N. rim			4.48	452.47	
MW-P TOC			4.62		top PVC
NE corner conc slab			4.56	452.39	Hollenbeck storage bldg

0900 On-site w/ Trent M.
0905 Survey MW-P
0940 Off-site

0.1 0.5

T. Abbott
S. Shoemaker

OBI, 52115-16
5.18.2016

(112)

→ NE corner of storage bldg.

→ NE corner of storage bldg

(113)

McAlpin 52415-16 5/23/2016

8:42 Hmm + SRR on-Site checked in at front

8:47 began water elevation survey

PID measurements in ppm

MW-P - PID = 0.0 DTW = 10.79 ft btoc cap on slightly loose

MW-10 PID = 0.0 DTW = 10.00 ft btoc
MW-12 PID = 0.0 DTW = 9.97 ft btoc
MW-12R PID = 0.4 DTW = 9.25 ft btoc
MW-10R PID = 0.0 DTW = 10.26 ft btoc
MW-8 PID = 6.9 ppm DTW = 8.57 ft btoc
MW-7R PID = 0.5 ppm DTW = 8.52 ft btoc
MW-9 PID = 0.0 ppm DTW = 8.73 ft btoc
MW-5 PID = 0.4 ppm DTW = 7.69 ft btoc
MW-M PID = 0.0 ppm DTW = 7.51 ft btoc
MW-3R PID = 1.5 ppm DTW = 7.80 ft btoc
MW-3 PID = 0.0 ppm DTW = 7.78 ft btoc
MW-H PID = 0.4 ppm DTW = 7.11 ft btoc
MW-13 PID = 0.0 DTW = 12.50
MW-13R PID = 0.0 DTW = 11.72
MW-1R PID = 1.2 DTW = 7.53
MW-1 PID = 0.0 DTW = 7.63

McAlpin 52415-16 5/23/16

(114)

MW-19 PID = 0.7 DTW = 7.30 ft btoc
MW-19R PID = 1.1 DTW = 7.01 ft btoc
11:20 moved inside the building
MW-17 PID = 12.7 DTO 8.64 DTW 8.69
MW-18 PID = 0.9 DTW = 8.78 ft btoc
MW-Q PID = 12.0 DTW = 8.53 ft btoc
MW-G PID = 48.1 DTW = 8.08 ft btoc
~~MW-16~~ PID = 6.2 bailer in well ~~dtw 11:11~~ injection well (determined by RK) covered in apparent veg oil
Hmm could not get OW probe through semi-solidified veg oil
MW-D PID = 255 ppm DTW = 7.93 ft btoc
MW-B PID = 13.9 DTW = 7.91

12:40 JAD on-Site

12:50 attempted to locate MW-6

1:30 began setting up low-flow on MW-8 + MW-7R trying to run both on truck battery

sampled MW-8 + MW-7R. MS/MSD

4:00 JAD off-Site

5 4:30 Hmm + SRR off Site

(115)

McAlpin 5211 S-16 5/24/16

8:49 Hmm + SRR on-site
Purpose: low-flow GW sampling
MW-6: PID = 0.1 ppm DTW 11.91 ft TOC
TOC is 1.86 ft above ground
9:00 at MW-13 + MW-13R
Can not run both pumps on van battery - returned to DAY for Hmm personal vehicle
9:45 return to MW-13 + MW-13R
13:00 MW-13 + MW-13R collected
13:30 moved to MW-19 + MW-19R
SRR off-site to get extra Amber bottles
15:00 Hmm + SRR off-site
15:40 Hmm at Eco-Rental for Honba Calibration, battery pickup

McAlpin 5211 S-16 5/25/16

(116)

8:44 Hmm + SRR on-site
MW-13 14:25 ft TOC
TOC to ground ~ 2.3 ft
8:50 Setting up at MW-12 + MW-12R
12:20 Hmm off-site to Eco Rental SRR setting up at MW-10 + MW-10R
exchanged Honba models
13:00 Hmm at site.
collected MW-10 + MW-10R
15:30 off-site.
16:00 exchanged Honba for YSI ProDSS

(117)

McAlpin 5211S-16 5/26/16

7:25 HMM + SRR on-site
SRR at mw-H
HMM at mw-3R

8:30 pumping rate at mw-H v. slow - ie. not through filling flow through cell after more than 30 minutes to keep water level stabilized - collecting mw-3R as 072-mw-3R and duplicate sample as 073-DUP5

10:00 HMM at mw-3
SRR at mw-H w v low flow rate

10:20 SRR began collecting mw-H (074-mw-H)

10:45 HMM began collecting 075-mw-3

11:00 called Frank Sowers to discuss flow rate at mw-H - ~~the~~ can limit samples to only VOC VOA but DEC may require sampling in future even if re-drilling required

McAlpin 5211S-16 5/26/16

(118)

11:30 SRR setting up at mw-m - rain begun. SRR to office to get canopy, put am spls in fridge

11:40 rain stopped - HMM set up mw-5, mw-m

12:00 mw-5 begun.

12:30 SRR at site. began mw-m

14:30 076-mw-m collected
SRR setting up at mw-G
rain beginning

15:00 mw-5 complete (077-mw-5)

15:30 SRR collecting 078-mw-G
HMM collecting 079-FB-05-26-16

(19)

MyAlpin 5211S-16 5/27/16

7:36 Hmm + SRR on-Site for GW splng
SRR setting up at mw-P
Hmm setting up at mw-6
→ 081-mw-P collecting ms/msd
→ 082-mw-6
10:35 Hmm at mw-1R
11:45 SRR at mw-1
12:05 Hmm off-Site for ice, called JAD re UPS or hold Friday sp's
12:20 Hmm back to Site
13:00 completed mw-1 + mw-1R
Hmm off Site to meet Spectrum courier
SRR remained to pack up

MyAlpin 5211S-16 5/31/16

(120)

8:00 Hmm + SRR on-Site to complete GW sampling
8:35 call from D3 - hold on MW-16/17
8:40 SRR at mw-18
9:20 Hmm at mw-Q
battery dead on YSI PRO DSS.
10:00 call from RLK coming to Site re mw-16 + mw-17
collected 085-mw-18 + 086-Dup 6 (Dup of mw-18)
10:30 087-mw-Q being collated
10:45 RLK on-Site
- mw-17 remove free product prior to sampling
- found mw-16 in storage room
11:10 RLK off-Site
11:15 mw-16 - PID=nm
DTW = 7.85 ft b TOC / 8.35 ft bgs
12:00 Hmm + SRR off-Site for lunch
12:30 Hmm + SRR at Site
12:50 in building

(121) McAlpin 52115-16 5/31/16

12:55 at MW-17 - tried to remove free product - w bailer - removed ~ 8 oz liquid but no obvious product will let sit overnight

13:15 SRR at MW-2 (off MW-17)

13:30 HMM beginning MW-16 (092 MW-16)

15:15 samples collected

15:25 HMM + SRR off-site

McAlpin 52115-16 6/1/16 (122)

8:00 am: HMM + SRR
SRR at MW-B - MP-10 Contr. not working - charged batteries still not working

8:30 HMM at MW-17
OWS not working - charged battery - still not working

9:15 SRR using MP-50
HMM off-site to Eco-Rental to rent OWS

10:00 HMM return to site

10:15 SRR off-site collecting 092 - MW-B

~~10:40~~ 1035 collected 093 - Samp 1

10:40 collected 094 - Samp 2

11:15 at MW-17
NAPL at 8.43 ft b TOC
water at 8.48 ft b TOC
lowered bailer to remove 0.05 ft NAPL
removed NAPL - water level at 8.45 ft b TOC

11:25 lowered bladder pump while no NAPL

123

McAlpin 5215-16 6.1.16

12:10 began collecting
09~~5~~ - MW-17
13:00 ~~NAPL~~ LNAPL at
MW-17 ~ 0.01 ft.
13:20 Hmm off P. site
~~1H .4~~ unloaded, collected
~~09~~ - FB - 06-01-16

5215-16 OBI 6/29/16

124

0815 - JAD + SRR on-site
objectives - Characterization Sampling of
IDW Drums
- Survey MW-14, 17, 18
- Sample LNAPL @ MW-17
- PI testing @ MW-7R, 8, 17
8:9:10 Hmm on site 1R
3 - 8 oz jars
2 - 4 oz jars
- Composite samples (0920)
of 4 drums w/ highest
detections on tables

9:25 Hmm Combined drum of
well dev water + well purge
water collected samples
3x VOA
3x 1L Amber
1 NaOH preserved
1 HNO_3 preserved

Rite in the Rain

(125) 6/29/16 McAlpin 52115-16

IDW soil collected from drums containing

	VOC	SVOC	met	PCB	Rest.
TB-G	X	X			
TB-K	X				
TB-5	X				
TB-BB	X				
TB-R	X				
TB-EE		X	X		
TB-W		X	X	X	X
TB-M			X		
TB-7				X	

9:35 heading inside for free product sample

9:40 Met Trent Nellot
Escorted in by Rodney

9:55 collected sample from upper water in MW-17 in 2x8 oz
odor, no color

McAlpin 52115-16 6/29/16 (126)

10:00 Hmm + JHA to MW-7R/MW-8 for K test.

10:16 DTW measured in
MW-7R = 9.12 ft b TOC
MW-8 = 9.22 ft b TOC

Started logging at ~~10:17:55~~ stopped

Began MW-7R at 10:30:40
Odd curve- began down then up

10:~~34~~6:45:08 start logging
10:48:06 dropped clays
10:58:22 stopped

Completed MW-7R (3x) w/ Troll reducer

MW-8 completed manually (slug + cable too large)

(127)

McAlpin 5211 5-16 6/29/16

MW-8 Slug In Out (Copied from field)

Static Water level 9.22 ft b TOC

SWL	Time
9.62	0.16
9.50	0.22
9.45	0.29
9.41	0.38
9.37	0.46
9.31	0.50
9.30	0.56
9.30	1.09
9.29	1.04
9.28	1.07
9.27	1.10
9.27	1.18
9.26	1.23
9.26	1.29
9.25	1.34
9.24	1.40
9.24	1.45
9.24	1.50
9.24	1.59
9.23	2.08
9.23	2.20 2.14

9.23 ↓ 9.22

2.14	
2.28	
2.39	
2.57	
3.08	

McAlpin 5211 5-16 6/29/16

(128)

12:25 Trent well off off-Site

MW-8 Slug In

Static 9.22 ft b TOC

Time ~~SWL~~	Time	SWL	Time	SWL
0.20	8.93		2.13	9.20
0.26	8.99		2.20	9.20
0.30	9.01		2.37	9.20
0.35	9.03		2.50	9.21
0.38	9.05		2.59	9.21
0.42	9.07		3.09	9.21
0.45	9.08		3.22	9.22
0.50	9.09			
0.54	9.10			
0.59	9.11			
1.06	9.12			
1.13	9.13			
1.19	9.15			
1.26	9.16			
1.33	9.17			
1.43	9.18			
1.50	9.19			
1.57	9.20			
2.08	9.19			

(129) 6.29.16

McMillan 52115-16

MW-1 Slug-In

Static Water Level 8.27 ft bTOC

DT bottom 12.28 ft bTOC

Time	SWL	Time	SWL
0:10	8.25		
0:16	8.26		
0:19	8.27		

too fast - will need transducer

MW-1R - Slug In started

12:50:10 SWL = 8.16 ft bTOC

13:20 slug in test stopped

13:25 Slug out started

13:54 Slug out complete

MW-1 Slug in

Static 8.28 ft bTOC

2:02:38 started logging

Slug out

14:18 - MW-1 out done

McMillan 52115-16 6.29.16 (130)

MW-1R - not all data downloaded from Slug in

Static 8.16 ft bTOC

14:22 started logging MW-1R slug in

14:48 redo MW-7R - data didn't record correctly

14:50 DTW at MW-7R 9.10 ft bTOC

14:~~55~~53 dropped slug into MW-7R

15:14 complete.

131

7/29/16

Purpose: Water discharge (IDW)

8:10 : Amm + DAK on-site

8:20 began drum transfer

132

(133)

McAlpin 5215-16 7/26/2016

Purpose: Collect soil sample for SS-7 (0-1) for TCL/TAL

13:45 Hmm on Site dry 83°F asked to speak to Dave K. re truck/tow motor use. Dave K too busy to talk.

13:55 at SS-7, dug 1' down

14:15 collected soil spl (4x4oz, one 5035A) SS-7 (0-1)
0-0.3' gravel/stone
0.3'-1' Brown silty sand and gravel (FILL), damp
PID = 0.0 ppm

14:25 asked to speak to Dave K not available. in meeting spoke w Rodney re lifting drums - to send conf. email

14:35 Hmm off-Site

15:45 Water vials in freezer

7/29/16

McAlpin 5215-16

(134)

75°F

Purpose: Dispose of liquid IDWs under short term sewer use discharge permit

8:10 Hmm + DAK on-Site

8:20 began transfer to drums in van

8:25 Hmm asked to speak to Dave K.

8:40 spoke w Dave K asked to borrow pry bar

9:00 Erin Magee on-Site - received permit

9:05 Erin off-Site

9:25 1st 2 drums discharged

9:45 Next 2 drums transferred to van

10:15 2 drums discharged to sewer

135

7/29/16 MW4 pm 5215-16

10:30 DAK left site to get fuel for pumps

11:15 DAK back on site. transferred water to drums in van

1145 Discharged water to sewers

1200 Transferred 2 drums water into van

1230 Discharged water to sewers

1250 Transferred rest of water into van

1315 Discharged water to sewers

DAK left site @ 1330

MW4 pm 5215-16 8/1/16

136

IDW pickup

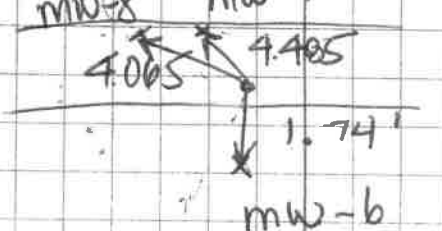
13:15 Hmm on-Site
Shaken Muthall (NYETECH) on-Site + loading drums in hand cart
actually 18 drums not 13
Hmm asked for forklift operator - Alton

13:45 Hmm to NYETECH for add'n stickers

- chad Rodney Olson Sign manifest

14:45 NYETECH off-Site

Hmm to confirm elev. of MW-6



15:05 Hmm off-Site

(137) McAlpin 5211S-16 9/12/16
75°F

Purpose: Collect GW elevations from exterior MWs to assess feasibility of PDBs.

16:40 Hmm on Site

Well-ID	DTW ft btoc	DTB ft btoc	dia
MW-19	8.80	~~8.87~~ 9.87	1"
MW-1	6.94	12.47	2"
~~MW-P~~			
~~MW-H~~			
~~MW-M~~			
~~MW-5~~			

17:06. Battery dead? at Heron. Interface Probe left in site

McAlpin 5211S-16 9/13/16
60°F (138)

Purpose: Complete. Select GW elevations.

:16 Hmm on-Site

ID	DTW	DTB	Dia.
MW-P	11.35	13.65	1"
MW-12	10.7	13.8	2"
MW-M	9.0	12.15	1"
MW-223	9.25	11.75	2
MW-5	9.1	13.2	2"

Could not locate MW-H divot in dirt, broken concrete in area

7:55 Hmm off-Site

Water Level

ID	9.19.16 DTW	DTB	Soft/Hard	Stickup	Notes
MW-1	8.95	12.46	Hard	-2"	
MW-3	9.20	11.75	Hard	—	
MW-5	9.04	13.23	Hard	-4"	
MW-6	12.10	19.39	Hard	+23.2"	
MW-8	9.82	19.31	Hard	-2"	
MW-9	9.97	13.65	Hard	+3"	
MW-10	11.08	15.28	Hard	+7"	
MW-12	10.72	13.80	Hard	-7"	
MW-13	14.09	14.24	Soft	+28.4"	
MW-16	9.47'	11.40'	Hard	6"	
MW-18	10.00	12.15	Hard	3"	oil smell
MW-19	8.85	9.84	Hard	5"	
MW-B	9.39	11.31	Hard	3"	
MW-D	9.42	1211	Hard	9.35"	
MW-G	9.64	19.33	Hard	2.5"	originally solid at 9.53, bet later
MW-H	8.56	11.11	Hard	-6"	
MW-M	8.88	12.13	Soft	-4"	
MW-P	11.33	13.65	Hard	-1.5"	
MW-1R	8.82	28.25	Soft	-6"	
MW-3R	9.15	28.53	Soft	—	
MW-7R	9.75	22.42	Soft	-4"	
MW-10R	11.48	30.48	Soft	+18.4"	
MW-12R	10.41	29.33	Soft	-8"	
MW-13R	13.25	30.93	Soft	+18.3"	
MW-19R	8.55	28.10	Soft	5"	
MW-17	9.91	12.44	Hard	4"	Oil Smell
MW-Q	9.89	11.94	Hard	3.5"	

9.19.16 70s SUNNY

ON SITE 920 OFF SITE 1120

- MET W/ BRENDAN
- SWL ON ~~27~~ WELLS
-

(141)

9.20.2016 78°F SUNNY

ON SITE 1200

WELL 13

	INITIAL	AFTER PUMP
SWL →	9.08	—
DTB →	1224	14.30

OFF SITE 1400

(142)

9/26/16 SUNNY 60s

ON-SITE 1000 OFF-SITE 1517

PDB DEPLOYMENT

WELL	PDB	DTW	TIME
MW-1	YES	9.01	1100
MW-3	YES	9.11	1245
MW-5	YES	9.17	12.27
MW-6	YES	12.24	1516
MW-8	YES	9.93	1225
MW-9	YES	10.05	1218
MW-10	YES	10.19	1208
MW-12	YES	10.76	1157
MW-16	YES	9.55	1440
MW-18	YES	10.11	1430
MW-19	YES	8.91	1048
MW-B	YES	9.44	1458
MW-D	YES	9.46	1451
MW-G	YES	9.59	1434
MW-H	YES	8.64	1030
MW-M	YES	9.00	1025
MW-P	~~YES~~	11.36	1019
MW-1R	YES	8.83	1057
MW-3R	YES	9.22	12.45

Rite in the Rain

(143)

WELL	PDB	DTW	TIME
MW-7R	YES	9.71	1222
MW-10R	YES	11.45	1210
MW-12R	YES	10.42	1110
MW-13R	YES	13.30	1310
MW-19R	YES	8.62	1045

(144)

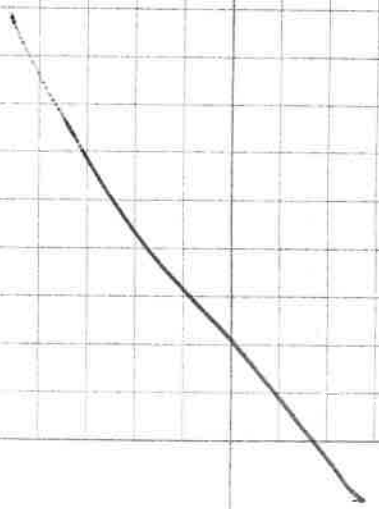
10.12.2016

ON SITE 736 50° CLOUDY

SBR/CD

PDB + LOW FLOW SAMPLING	
130-MW-9	1045
131-MW-9	1045
MS/MSD	1045
MW-18	1010
113-MW-16	1025
132-MW-17	1255
118-MW-6	1335
116-MW-8	1350
117-MW-D	1355

(5) collected exterior PDB samples



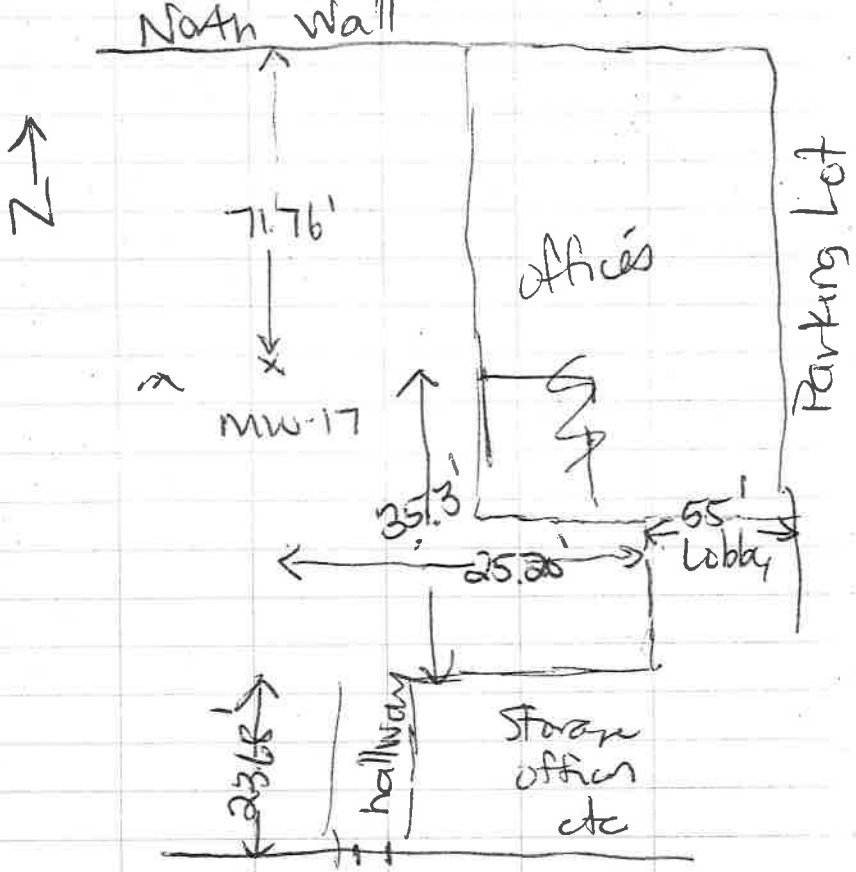
Rite in the Rain

(145)

12/14/16

8:02 Hmm on-Site
Goal Confirm location of MW-17

8:05 Met in Rodney for access



South wall
8:15 Hmm off Site

(146)

1/6/16

10:02 Hmm on-Site
Purpose: Site visit to measure / confirm removal of barrel plating line
10:02 reception page d Branden
10:25 no Branden - Rodney came

Barrel Plating Line has been removed.
open area is 18' x 93'

approx. 53 South of north wall is a trench that has 4 pipes (PVC) that are capped - had been used to carry water when barrel line was in place - Rodney says they will be removed - Blue tinted water observed in trench - possible nickel SO4? these pipes are to be capped connected to the water treatment system

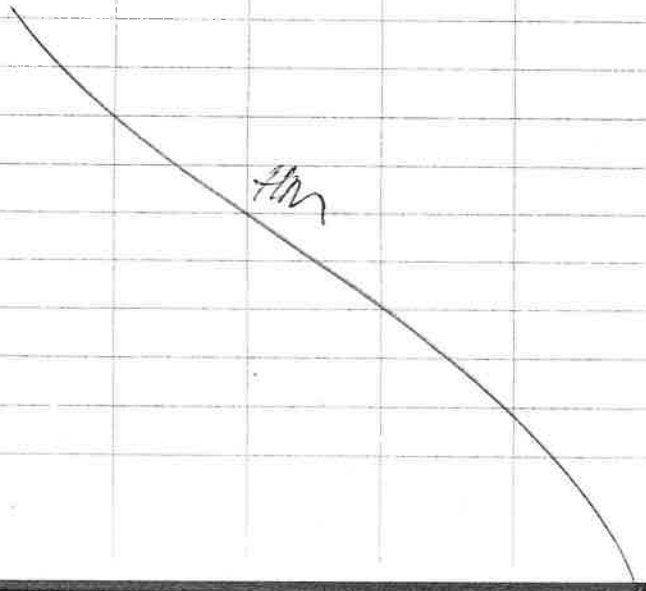
(147)

1/6/16

Rodney says no electrical overhead clearance to lights ~ 13'
to lowest overhead pipes ~ 18'
will question Rodney
10:45 Hmm off. Site

Rodney will collect water sp1 yr trench and send photo of concrete

10:55 Hmm off. Site



1/14/16 (148)

11:30 on. Site
met Brandon Kommer
- trench still in place w water
- loading dock 8' wide 9' high 2' off ground
- 4 empty drums on north of property
- Flush mount plate loose on MW-19, missing on MW-19R + MW-1R

Hmm called Kaplan Containers to arrange drum pickup

12:00 Hmm off-Site

4/3/17

Purpose: Complete GPR Survey in former Barrel Plating Line area as part of Supplemental RI
45°F, overcast

8:30 HMM on-Site
- south end of trees cut down
met Branden. walked Site
MW-19, 19R, 12R, 7, 1 need repair (CIRRS)

8:45 met Jim, walked GPR area, began GPR
Rich, John Rowe not aware of tree removal
- Rich spoke to other Jim - Mike Moffin authorized b/c the trees were in way of Jackson Welding equipment

9:25 Cat on-Site - walked wells

10:00 talked w Rich - metal plates available for well cover after/during repair

10:05 Cat off-Site
Spoke w GPRS - completed the scan - pipes about 1.5 to 1.75' bfs - on northern 1/2

- no pipes or pits noted on the southern 1/2
NE - slightly different - no mesh noted
Branden had all 3 flammable cabinets emptied ic pt - now in haz waste to be removed

10:12 called RLK - have GPRS scan open area of courtyard - north of MW-6

10:20 Jim found anomaly - possibly 2 USTs end to end in north of courtyard
- nothing north of MW-6

10:40 HMM loaded 3 empty drums Jim + HMM off-Site

151

4/4/17

Goal: mark out TB locations

13:00 Hmm + SRR on site, TREC on-site

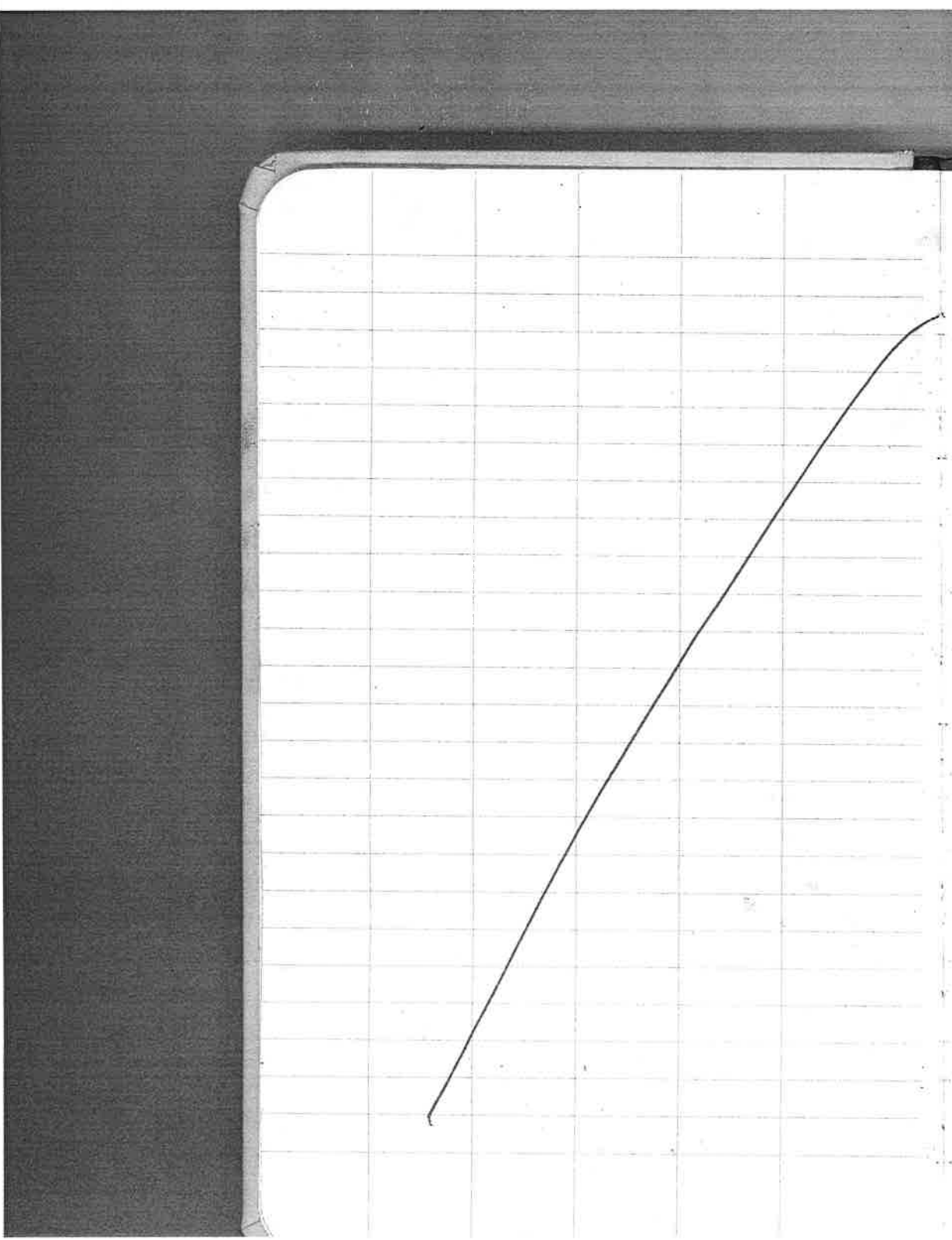
met in Branden

- measured out 6 TBs · marked
- had to move north TB ~5' to south b/c of equipment
- checked in Branden if okay to leave Chad (TREC) on-site

13:30 Mike McAlpin on north of property - the south line of trees were cut down on recommendation of Dr. Licht (Ecolotree) to create more branching + then increase transpiration

13:40 Hmm + SRR off-site

152



McAlpin 52115-16

4/5/17

Goal: Complete 6 interior TBs
2 ea walls

7:45 Hmm + SRK on-site
not Rodney - had back spread

8:00 TREC on-site Chad + Eric

8:10 DEC on-Site
Scott Williams
Adam Morgan
Bob Long
Began unloading trucks

8:40 TREC moved to TB-GG
-Set up -ve air exhaust

9:00 began TB-GG

9:20 Hmm off-Site, to Eco Rental

935 SAMPLE OF TB-GG BETWEEN 10-12'
TAKEN + MS MSD

935 REFUSAL IN TB-GG @ 12.5'

TREC SET UP ON TB-11

DEC REQUESTS TREC PUT MATS UNDER MACHINE, LEAKING OIL

OBI.5211S-16 4/5/17

958 TREC START BORING TB-11
1010 TREC BELIEVES ANOTHER SLAB OF CONCRETE UNDER TOP SLAB, ADVANCING SLOW
1012 HMM ON-SITE w 4 gas meter.
1035 COLLECTED SAMPLE TB-11 + DUP (REFUSAL 12.7 TREC SETUP ON TB-KK)
136-TB-11-12.7 + 137-DUP-4-5-17
11:00 COLLECTED SAMPLE FB 138-~~TB-KK~~ 10-12
TREC began TB-JJ
1150 TREC SETUP ON TB-HH
1152 BEGAN TB-HH
HMM OFF-SITE
1135 DEC OFF-SITE
1200 TREC COULDN'T GET ~~THROUGH~~ CONCRETE @ TB-HH(1) ≈ 2' THICK +
BEGAN TB-FF
1205 TREC OFF-SITE
1250 DEC & TREC ON-SITE
MOVED TB HH(2) NORTH TO OTHER SIDE OF PIPES. BEGAN DRILLING CONCRETE
1300 SETUP ON TB-HH (ADJUSTED NORTH)
ADJUSTED TB-HH 0.5' CONCRETE + 1.5' SOFT SOIL
HIT HARD OBJECT @ 2'
1310 ADJUST TB-HH NORTH FURTHER

1310 BEGIN DRILLING CONCRETE TB-HH (3)
1315 TREC BEGIN TB-HH (2ND ADJUSTMENT)
REFUSAL @ 7.6'
1345 SET UP @ TB-FF (ADJUSTED)

14:20 HH on site- decided to try TB-HH-~~3~~ to NW of original location

CO at 7 ppm w neg air unit

14:30 begin TB-HH(~~3~~)
refusal at 12.6' 142-TB-HH
15:00 DEC offsite - will return 4/6/17
15:10 loaded equipment into truck. will leave table etc for 4/6/17
15:30 collected rinsate blank
143-FB-4-5-17
15:15 TPEC partially through 12" cover at TB-FF will start 4/6/17.
16
~~HT~~:35 Soil VOAs in freezer

④ OBI.5211S-16 4/6/17 HM

8:00 Hmm + TREC (Chad + Eric) on-Site
purpose: Install 2 MWs in TB completed 4/5/17 (former Barrel Plating Line area)
50°F, rainy
8:08 TREC starting at TB-FF (core)
8:12 DEC on-Site (Scott, Adam, Bob)
CO on 4-gas meter ~ 4 ppm
tried TB-II w iP-snap at ~5 ft bfs

MW-Q 6.19, ft bTOC ~ 6.5 ft bfs

8:30 TREC backfilling TBs w clean sand.

8:45 concrete cored - appear to be 2nd concrete floor directly beneath original floor.
Water from conny has entered hole - will develop extra upper concrete - 4" thick
lower ~ 2"
core through lower not done - will break up w bit

4/6/17 OBI.5211S-16 ⑤

9:00 talked to JAD re screen length in TB-11 re 5' or 10' screen. decided on 10' - want to 12.6' depth will lower amt of sand
9:05 began installing MW-II 1" dia
9:25 conny done at TB-FF. ready to begin augering - set up
~~10:15~~ broke lower concrete layer
10:15 began augering, stopped
10:22 began augering again @ TB-FF
CO = 3 ppm
10:40 hitting fractured bedrock ~12' bfs
CO = 4 to 6 ppm
11:00 no advancement past 12.3' will install with 5' screen
DEC off-site
11:52 TREC taking lunch break
12:20 TREC back filling TBs w Sand (only JJ + KK' had cutting added) - HH 2nd attempt had large locs of sand - 2nd concrete slab?
13:05 curb-box at MW-FF in place adding quik-set to other TBs

12:10 added small bit of concrete to top of TB at TB-11-
13:25 moving pallet caught "DI water line" from plating line - spilled ~ 5 to 10 gal water on concrete - maybe less
13:45 Equipment (TREC + DAY) out of building
14:00 TREC + DAY off-Site

10:25 Amm + RM on-Site
Purpose: Complete MW development, deploy PDBs, survey inside of MWs (newly installed), horizontal survey of Supplemental RI TB's, MW, + pipes located by GPR

11:10 MW-II 1" dia
PID = 6.1 ppm
DTW = 6.16 ft bTOC
DTB = 10.8 ft bTOC (5 oft)

could not gain suction w geoprobe pump - possibly wrong tubing - called Tom to bring tubing began dev at 11:30 w bailer
11:45 1 gal removed

11:50 MW-FF 2" dia
PID = 16.6 ppm
DTW = 5.63 ft bTOC
DTB = 12.2 ft bTOC
casing to floor = 0.5 ft

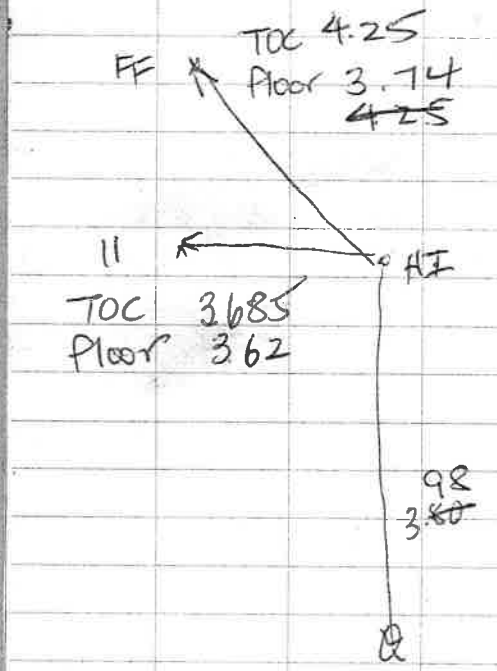
12:10 TR on Site w tubing

began ~~over~~ peristaltic pump at MW-11

12:30 RM off-Site

12:45 peristatic pump at ~~MW-17~~ MW-FF for development.

Elevation Survey MW-Q (TOC) to MW-FF + MW-11 (TOC + floor)



13:25 MW-Q
PID = 8.1 ppm
DTW = 6.00 ft bTOC

14:03 MW-18
PID - 0.1 ppm
DTW = 6.35 ft bTOC
deployed PDB

14:35 MW-FF done development
clear water - 15 gal

15:08 MW-5
PID = 0.1 ppm
DTW = 3.95 ft bTOC
deployed PDB

15:20 MW-8
PID = 13.9 ppm
DTW = 5.95 ft bTOC
deployed PDB

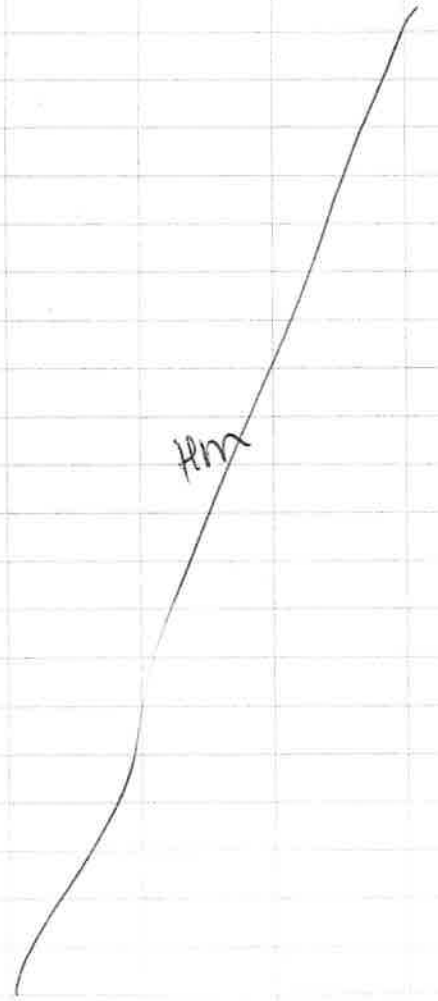
15:31 MW-6
PID 8.6 ppm
DTW = 8.31 ft bTOC
1.5" riser ppe 19 PDB

(10) OBI.52115-16 4/10/17

Left site 15:40

17:40 deployed 42" PDB at MW-6

17:50 Hmm off. site



OBI.52115-16 4/24/17 (11)

815 SITE ON-S, IC

PURPOSE: WATER SAMPLES LOW FLOW + PDB

850 MW-FF

PID → 3.0 ppm

SWL → 6'87'

OIL DETECTED ON PDB (FILM)

915 BEGIN LOW FLOW SAMPLING MW-FF

1015 SAMPLE MW-FF

1130 START MW-EJ

PID → 46.8 ppm

SWL → 7.3'

1215 SAMPLE MW-EJ

1255 START MW-Q

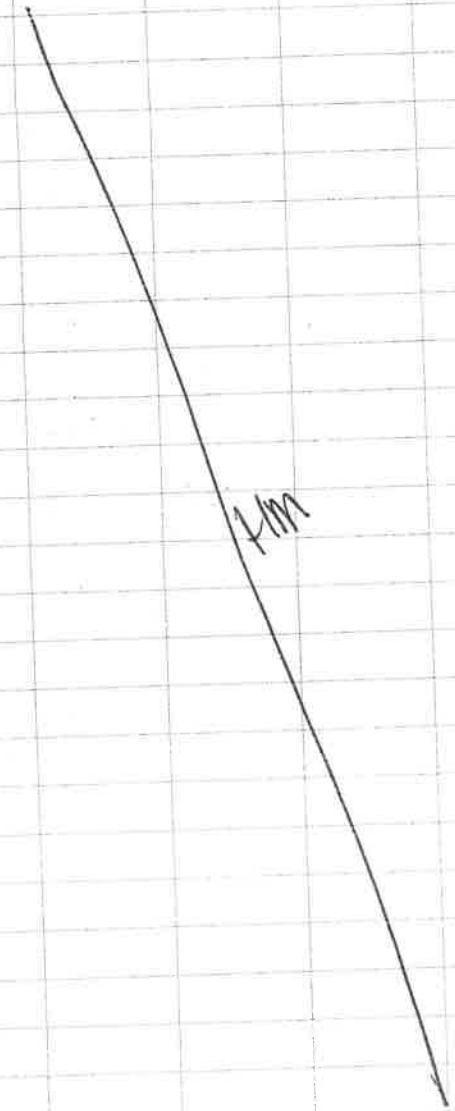
PID → 3.5

SWL → 7.18

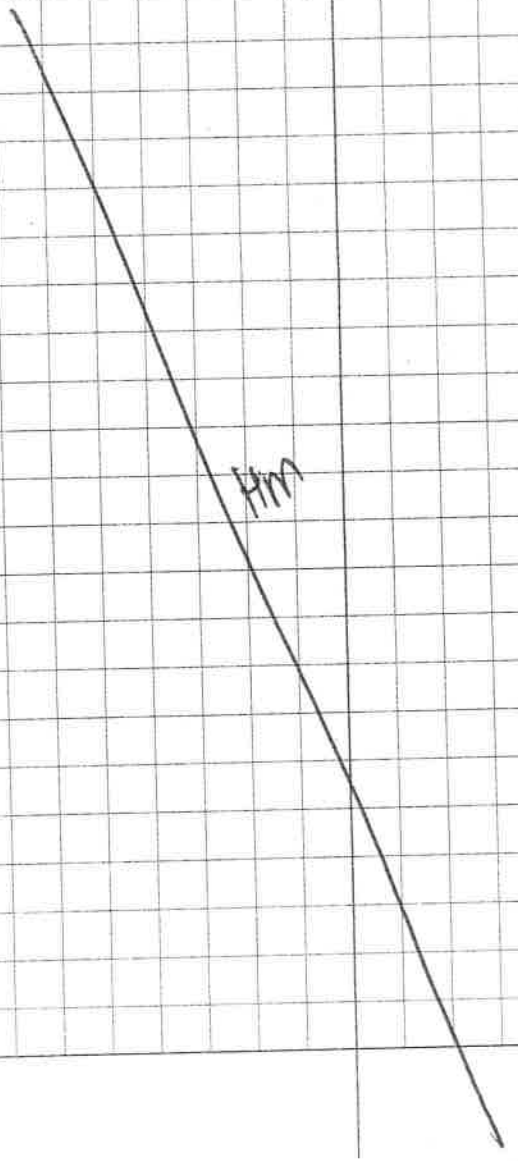
1340 SAMPLE MW-Q

PDB	~~PID~~	SWL	~~DTS~~
MW-5	1415		
MW-6	1425		
MW-8	1435		
MW-18	1436		

Kate in the Rain



1500 SER OFF SITE



(14) 6/19/17

OBI.52115-16

8:30 Hmm on Site
TREC (Chad) on-Site
-Chad did not get message re RD7000
Walked anomaly area
8:35 Chad to Site to get RD-7000.
9:00 Roc Rents on-Site w/ Yanmar Vio35 (mini Ex)

70° F, V. Slight breeze from SW
goal- uncover anomaly
9:20 OTm on-Site
calibrated PM / PID; Background
9:40 Chad on-Site

OTm marked electrical from pole to transformer

tried sweeping in RD7000
Chad still uncomfortable

OBI.52115-16 6/19/17 (15)

11:05 Began at SE corner of anomaly
- plan to scrape v. slowly and hand-dig
11:15 found ~~SW~~ SE edge of anomaly - UST - top ~2.5' bgs
gray sand and gravel fill to ~1' bgs

light brown sand and gravel FILL 1 → 2' bgs.

top of tank exposed
- no cap at fill port
- 3.5' below fill port - water
- 8' below fill port - bottom of tank - no NAPL detected

11:40 Collected bailer - no product observed - filled 2x 1L amber

11:50 2nd TREC employee on-site (Kim)

Rite in the Rain

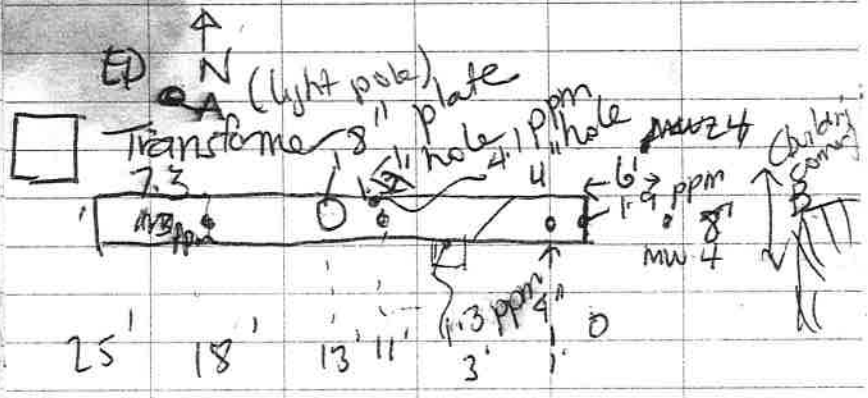
(16) 6/19/17 OB1-52115-16

11:35 Began digging at gap b/w anomalies

12:15 top? metal plate 1.5'ν 2' diameter, 1.5' bgs exposed

collected soil from near metal plate - gray-black silt w some sand - PID = 1.7 ppm

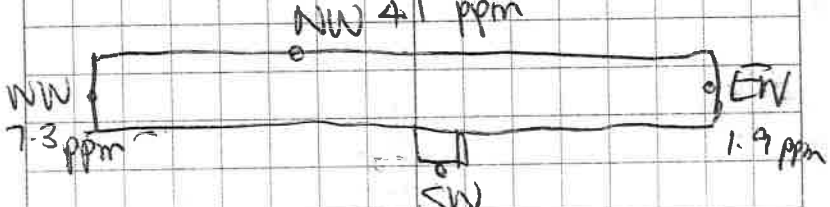
~~12~~ 13:30 majority of top of UST uncovered.



6/19/17 OB1-52115-16 (17)

	A	B
18" plate	22.6'	29.2
N end?	24.5'	41.6
E end	28'	16.3
1.5" hole	22.6	~~17.6~~ 23.6
4" hole	26'	17.6
3/4" dime	24.5'	21.2

Collected tankbed spls



(18)

6/19/17

OBI-52115-16

14:05 began backfilling

14:30 Mike McAlpin at Site provided update - ie what was found

15:15 off-site

(19)

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DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 2/4/2016 PAGE: 1 OF 3

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SRR

ON-SITE: 805 OFF-SITE: 1530

WEATHER CONDITIONS: 38° windy PREVAILING WIND DIRECTION: East

PERSONNEL ON-SITE: SRR HMM SMS

NOTES: Batteries in PID charged 1050 CAMP-2 started at 1335

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BG-1	0955	NW Fence	0.0	0.010
CAMP-1	1020	NE Fence	0.0	0.011
CAMP-1	1035	NE Fence	0.0	0.011
CAMP-1	1050	NE Fence	0.0	0.011
CAMP-1	1105	NE Fence	0.0	0.009
CAMP-1	1120	NE Fence	0.0	0.009
CAMP-1	1135	NE Fence	0.0	0.011
CAMP-1	1150	NE Fence	0.0	0.013
BG-2	1330	NE Fence	0.0	0.005
CAMP-2	1350	SE Fence	0.0	0.004
CAMP-2	1405	SE Fence	0.0	0.006
CAMP-2	1420	SE Fence	0.0	0.006
CAMP 2	1435	SE Fence	0.0	0.004
CAMP 2	1450	SE Fence	0.0	0.004
CAMP 2	1505	SE Fence	0.0	0.002

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
HMM0236_5211S-16(OBI)

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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 2/4/2016 PAGE: 2 OF 3

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr., Rochester, NY

BY: Hmm / SMS

ON-SITE: 8:00 OFF-SITE: 1530

WEATHER CONDITIONS: _____ PREVAILING WIND DIRECTION: ~~west~~ east

PERSONNEL ON-SITE: Hmm, SMS, SRR

NOTES: drilling started 10:25 at mw-10R

10:28 PID reading to 1.8 ppm. recalibrated PID after comparing to CAMP PID (0.0 vs 1.6 ppm)

lunch, break to cut pipe, ~~12~~ ~~tr~~ rock out in augers moved to MW 12R ~ 13:40 drilling began at 13:49

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BZ	10:25	BZ	0.02	0.008
	10:28	BZ	1.8+	0.007
	10:50	BZ	0.0	0.008
	11:08	BZ	0.0	0.014
	11:23	BZ	0.0	0.007
	11:27	BZ	0.0	0.005
	11:40	BZ	0.0	0.003
	13:00	BZ	0.0	0.000
	13:40	BZ-2	0.0	0000
	14:00	BZ-2	0.0	0.003
	~~1420~~ 14:15	BZ-2	0.0	0.000
	14:30	BZ-2	0.1	0.003
	14:45	BZ-2	0.0	0.001
	15:00	BZ-2	0.0	0.000

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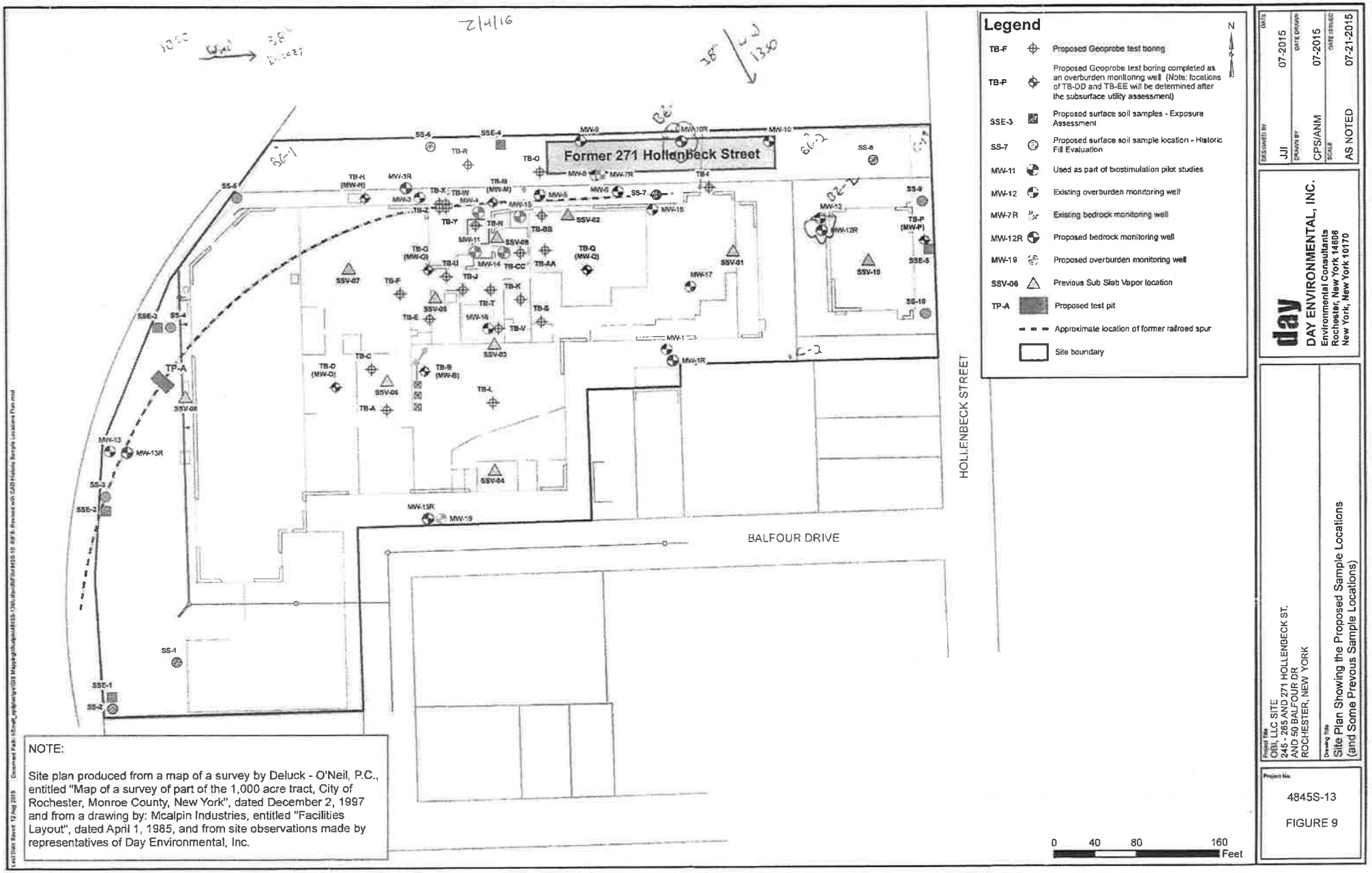

NOTE:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

DESIGNED BY JJI DATE 07-2015
DRAWN BY CPS/ANM DATE DRAWN 07-2015
SCALE AS NOTED DATE ISSUED 07-21-2015

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DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST.
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title
Site Plan Showing the Proposed Sample Locations (and Some Prevous Sample Locations)

Project No.
4845S-13

FIGURE 9

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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 9/15/16 PAGE: 1 OF 2

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SRR

ON-SITE: 0800 OFF-SITE: 1550

WEATHER CONDITIONS: windy PREVAILING WIND DIRECTION: South East

PERSONNEL ON-SITE: SRR HMM SMS

NOTES:

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BG-1	1100	BG-1	0.0	0.002
CAMP 1	1120	CAMP 1	0.0	0.002
CAMP 1	1135	CAMP 1	0.0	0.003
CAMP 1	1150	CAMP 1	0.0	0.003
CAMP 1	1205	CAMP 1	0.0	0.003
BG-2	1330	BG-2	0.0	0.002
CAMP 2	1400	CAMP 2	0.0	0.001
CAMP 2	1415	CAMP 2	0.0	0.001
CAMP 2	1430	CAMP 2	0.0	0.001
CAMP 2	1445	CAMP 2	0.0	0.002
CAMP 2	1500	CAMP 2	0.0	0.002

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HMM0236_5211S-16(OBI)

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AIR MONITORING REPORT SHEET

DATE: 2/5/16 PAGE: 2 OF 3

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SMS/SKF

ON-SITE: 0750 OFF-SITE: 1550

WEATHER CONDITIONS: 30° PREVAILING WIND DIRECTION: SE

PERSONNEL ON-SITE: SMS/SKF/MM/Applus

NOTES: began intrusive work @ 11:07

Stopped CAMP (BZ) @ 11:50/cut/set false

@ 12:45 CAMP/BZ-2

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BG	1105	BG-1	0.0	0.001
BZ	1125		0.0	0.000
BZ	1205		0.0	0.000
BZ	1145		0.0	0.009
BG2	1347	BZ-2	0.0	0.000
BZ	1411		0.0	0.000
BZ	1425		0.0	0.000
BZ	1445		0.0	0.000

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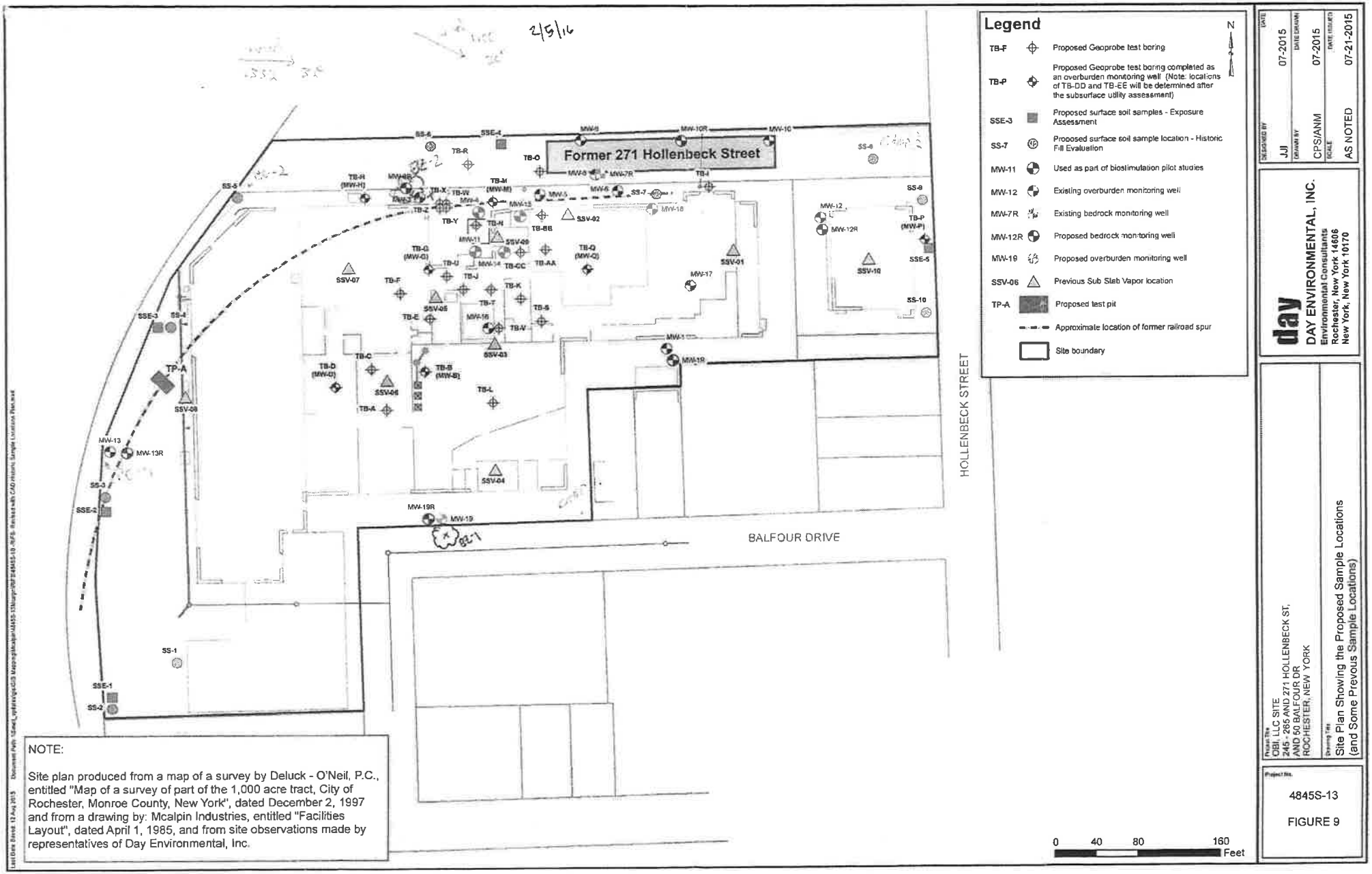

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DESIGNED BY	JJI
DATE	07-2015
DRAWN BY	CPS/ANM
DATE DRAWN	07-2015
SCALE	AS NOTED
DATE ISSUED	07-21-2015

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST.
AND 50 BALFOUR DR.
ROCHESTER, NEW YORK

Drawing Title
Site Plan Showing the Proposed Sample Locations
(and Some Prevous Sample Locations)

Project No.
4845S-13

FIGURE 9

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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 2/8/16 PAGE: 1 OF 55 A3

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: Sms

ON-SITE: 0825 OFF-SITE: 1645

WEATHER CONDITIONS: 43° PREVAILING WIND DIRECTION: NW/1400 SE

PERSONNEL ON-SITE: Hmm/SRR/JAD/Sms - Applus

NOTES: lunch @ 12n

MW-1R @ ~~1430~~ 1415

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
CE	0830	NW-Location	0.0	0.002
CAMP	0732	C-1	0.0	0.005
CAMP	0745	C-1	0.0	0.002
CAMP	1000	C-1	0.0	0.002
	1015		0.0	0.003
	1030		0.0	0.002
	1045		0.0	0.003
	1100		0.0	0.003
	1115		0.0	0.004
	1130		0.0	0.004
	1145		0.0	0.003
	12n		0.0	0.004
CAMP		C-2	0.0	0.008
BG	1400	BG	0.0	0.010
CAMP	1415	C-2	0.0	0.012
CAMP	1430	C-2	0.0	0.009
CAMP	1445	C-2	0.0	0.007
CAMP	1500	C-2	0.0	0.010
CAMP	1515	C-2	0.0	0.007
CAMP	1530	C-2	0.0	0.007

CAMP 12n

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
HMM0236_5211S-16(OBI)

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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 2/8/16 PAGE: 2 OF 55 4 3

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SMS

ON-SITE: 0825 OFF-SITE: 1645

WEATHER CONDITIONS: 43° PREVAILING WIND DIRECTION: NW

PERSONNEL ON-SITE: SMS/SAR/HMM/JAD - Applus

NOTES:

CAMP HMM 12n - Applus to leave

Resume @ MW-1R @ 1415

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BZ	[illegible]	BZ-1	[illegible]	[illegible]
BZ	1000		[illegible]	[illegible]
BZ	1030		0.0	[illegible]
BZ	1105		0.0	[illegible]
BZ	1130		0.0	[illegible]
BZ	1420	BZ-2	0.0	—
BZ	1500	BZ-2	0.0	0.009
BZ	1530	BZ-2	0.0	0.057

2nd

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary

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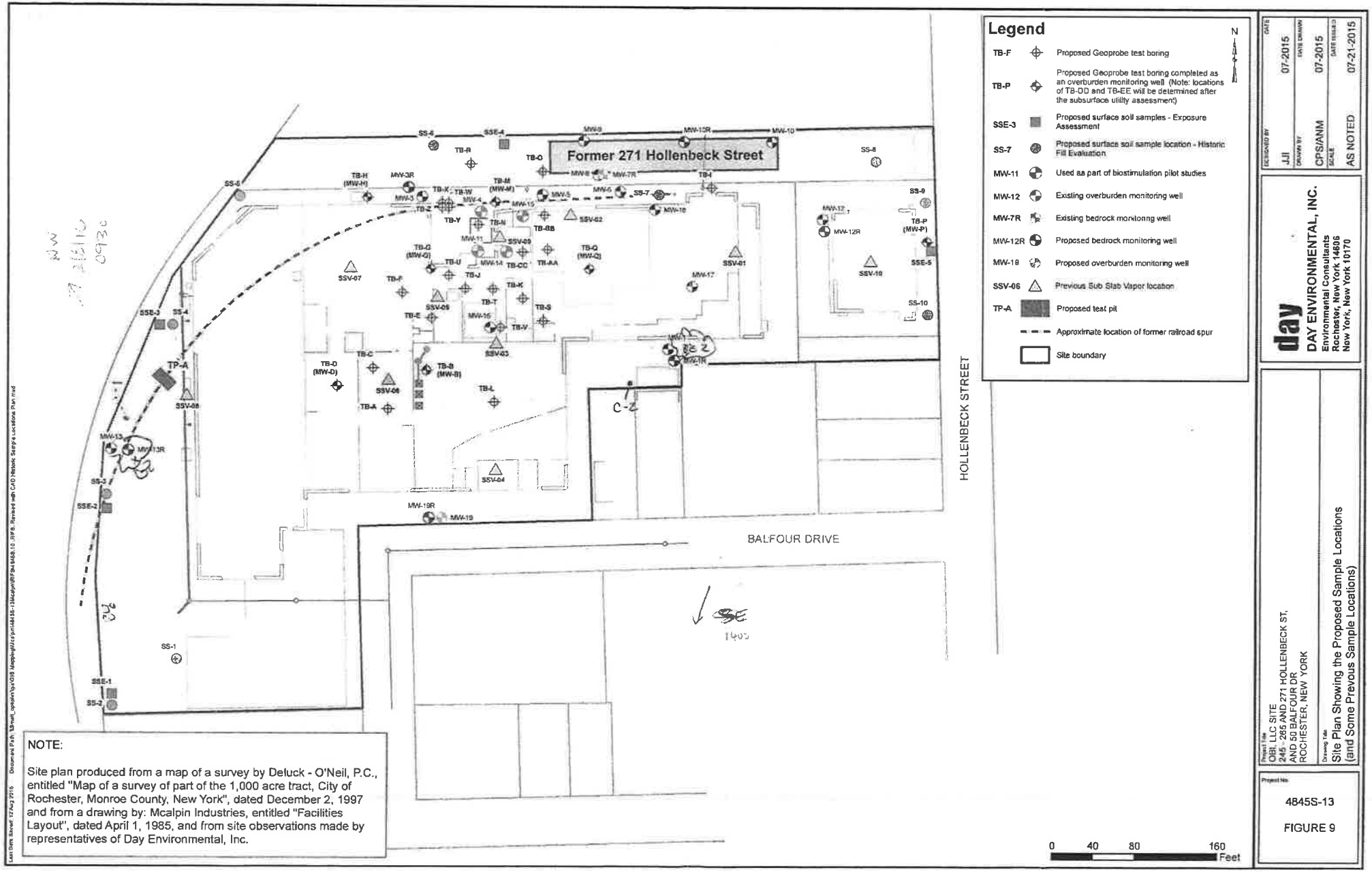

NOTE:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

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DRAWN BY: CPS/ANM — DATE: 07-2015
SCALE: AS NOTED — DATE ISSUED: 07-21-2015

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New York, New York 10170

Project Title: OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title: Site Plan Showing the Proposed Sample Locations (and Some Prevous Sample Locations)

Project No.: 4845S-13

FIGURE 9

day
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AIR MONITORING REPORT SHEET

DATE: 2/9/2016 PAGE: 1 OF 2

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SMS / Applus

ON-SITE: 0800 OFF-SITE: 1320

WEATHER CONDITIONS: 34° Sunny PREVAILING WIND DIRECTION: E

PERSONNEL ON-SITE: SMS / JAD / HMM / CPK

NOTES: 0950 End MW-19 augering -> install MW
End 0.7" @ TP-A @ 1339, Sample 1340. Resume CAMP 1348

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BG	0840	Background	0.0	0.011
CAMP	0846	C-1	0.0	0.008
CAMP	0900	C-1	0.0	0.014
Breathzone	0901	BZ	0.0	0.034
CAMP	0915	C-1	0.0	0.012
CAMP	0930	C-1	0.1	0.016
BZone	0931	BZ	0.2	0.027
CAMP	+0000945	C-1	0.1	0.017
BG 2	1320	BG2	0.0	0.0205
CAMP	1321	C-2	0.0	0.005
CAMP	1340	C-2	0.0	0.005
BZ	1341	BZ-2	0.0	0.008
C-2	1348	C-2	0.0	0.005
CAMP	1400	C-2	0.0	0.006
CAMP	1415	C-2	0.1	0.007
Breathzone	1416	BZ-2	0.2	0.025

0950 End

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property b
HMM0236_5211S-16(OBI)

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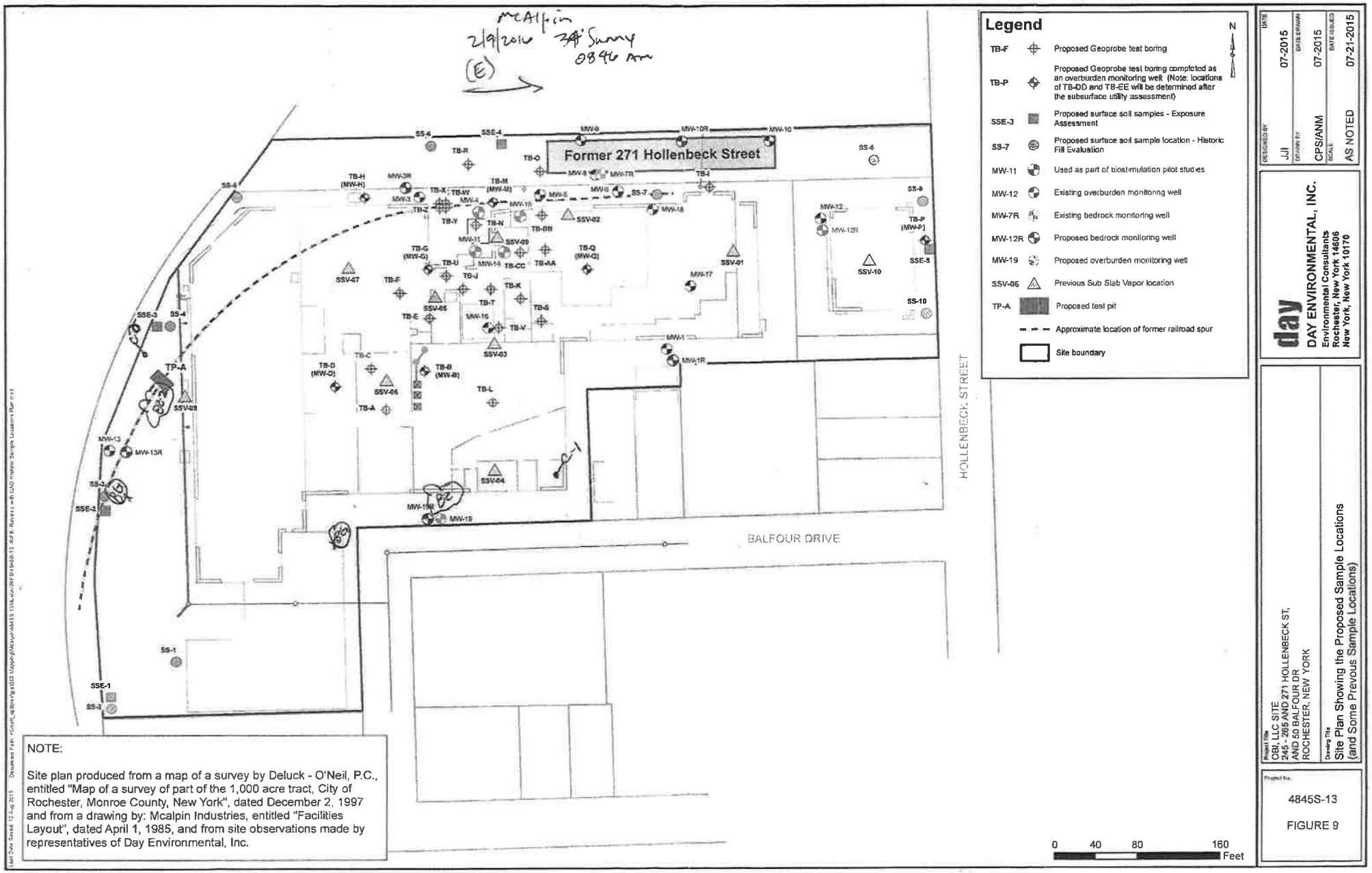

McAlpin
2/9/2016 34° Sunny
0846 AM

Legend

TB-F	Proposed Geoprobe test boring
TB-P	Proposed Geoprobe test boring completed as an overburden monitoring well (Note: locations of TB-DD and TB-EE will be determined after the subsurface utility assessment)
SSE-3	Proposed surface soil samples - Exposure Assessment
SS-7	Proposed surface soil sample location - Historic Fill Evaluation
MW-11	Used as part of biostimulation pilot studies
MW-12	Existing overburden monitoring well
MW-7R	Existing bedrock monitoring well
MW-12R	Proposed bedrock monitoring well
MW-19	Proposed overburden monitoring well
SSV-06	Previous Sub Slab Vapor location
TP-A	Proposed test pit
	Approximate location of former railroad spur
	Site boundary

N

0 40 80 160 Feet

NOTE:

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Drawing Title: Site Plan Showing the Proposed Sample Locations (and Some Prevous Sample Locations)

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FIGURE 9

day
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AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 2/10/16 PAGE: 1 OF 3

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SMS / Apex

ON-SITE: SMS @800 OFF-SITE: 1610

WEATHER CONDITIONS: 23° / Snowy PREVAILING WIND DIRECTION: S

PERSONNEL ON-SITE: SMS / JAD

NOTES: Background @ 0820 Begin @ 0900 @ 12R Set up
~~Begin intrusive~~ SMS @ 0930 begin intrusive work
1010 Particulate meter NOT collecting TWA due to cold / Reading some intervals
1048 paused @ 1125 Reeming to commence 1208 Break for lunch
1510 begin coring (C-2) for grout
Ended drilling @ 1558

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BACKGROUND	0820	BG	0.0	0.034
CAMP	0955	C-1	0.0	0.021
CAMP	0940	C-1	0.0	0.005
CAMP	0940	C-1	0.0	~~0.019~~ 0.006
BREATHING	0941	BZ-1	0.0	0.019
CAMP	0955	C-1	0.0	0.006
CAMP	1010	C-1	0.0	0.005
BREATHING	1010	BZ-1	0.3	~~0.010~~ 0.010
CAMP	1025	C-1	0.0	0.009
BREATHING	1026	BZ-1	0.0	0.021
CAMP	1040	C-1	0.0	0.008
	~~0955~~			
CAMP	1125	C-1	0.0	0.003
BREATHING	1126	BZ-1	0.0	0.004
CAMP	1140	C-1	0.0	0.005
CAMP	1258	C-1	0.0	0.002
~~BREATHING~~	~~1300~~	~~BZ-1~~		
Background	1400	BG-2	0.0	0.009
CAMP	1515	C-2	0.0	0.012
CAMP	1530	C-2	0.0	0.001

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary

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AIR MONITORING REPORT SHEET (Continued)

DATE: 2/10/16 PAGE: 2 OF 3

JOB #: 5211S-16 (OBI)

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Breathzone	1532	BZ-2	0.0	0.024
C-2	1548	C-2	0.0	0.003

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
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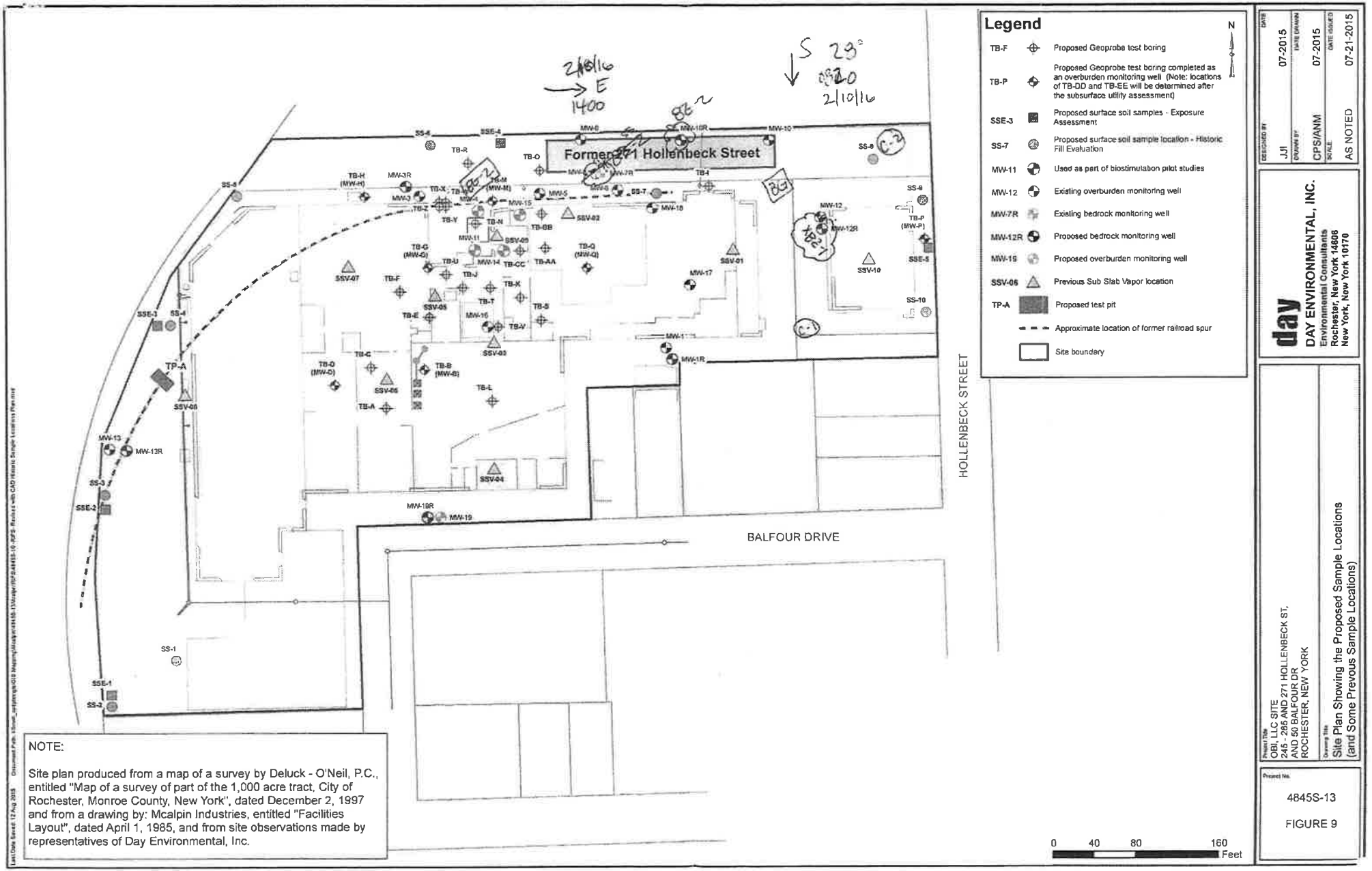

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Project No.: 4845S-13

FIGURE 9

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AIR MONITORING REPORT SHEET

DATE: 2/11/2016 5211S-16 PAGE: 1 OF 2

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SMS / Abblm

ON-SITE: 0817 OFF-SITE: 1445

WEATHER CONDITIONS: 10° / Flurries PREVAILING WIND DIRECTION: E

PERSONNEL ON-SITE: SMS/TAD/HMM

NOTES: 0935 Begin coring @ 19'. CAMP in intervals d/t cold instruments (PID/particulate) [0955 Med mobilized] Began reaming @ 1045 1400 Setting up CAMP for MW-3E advancement 1745 - End ops/No CAMP NEC

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BACKGROUND	0845	BG	0.0	0.001
CAMP	0853	C-1	0.0	0.009
CAMP	0935	C-1	0.0	0.002
BREATHING	0935	BZ-1	0.0	0.000
CAMP	0950	C-1	0.0	0.001
CAMP	1020	C-1	0.0	0.002
BREATHING	1023	BZ-1	0.0	0.008
CAMP	1040	C-1	0.0	0.002
CAMP	1055	C-1	0.0	0.001
Breathing	1105	BZ-1	0.0	0.010
CAMP	1115	C-1	0.0	0.001
CAMP	1130	C-1	0.0	0.018
Breathing	1137	BZ-1	0.0	0.011
CAMP	1145	C-1	0.0	0.006
Background	1400	BG-2	0.0	0.002
CAMP	1403	C-1	0.0	0.007

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary

HMM0236_5211S-16(OBI)

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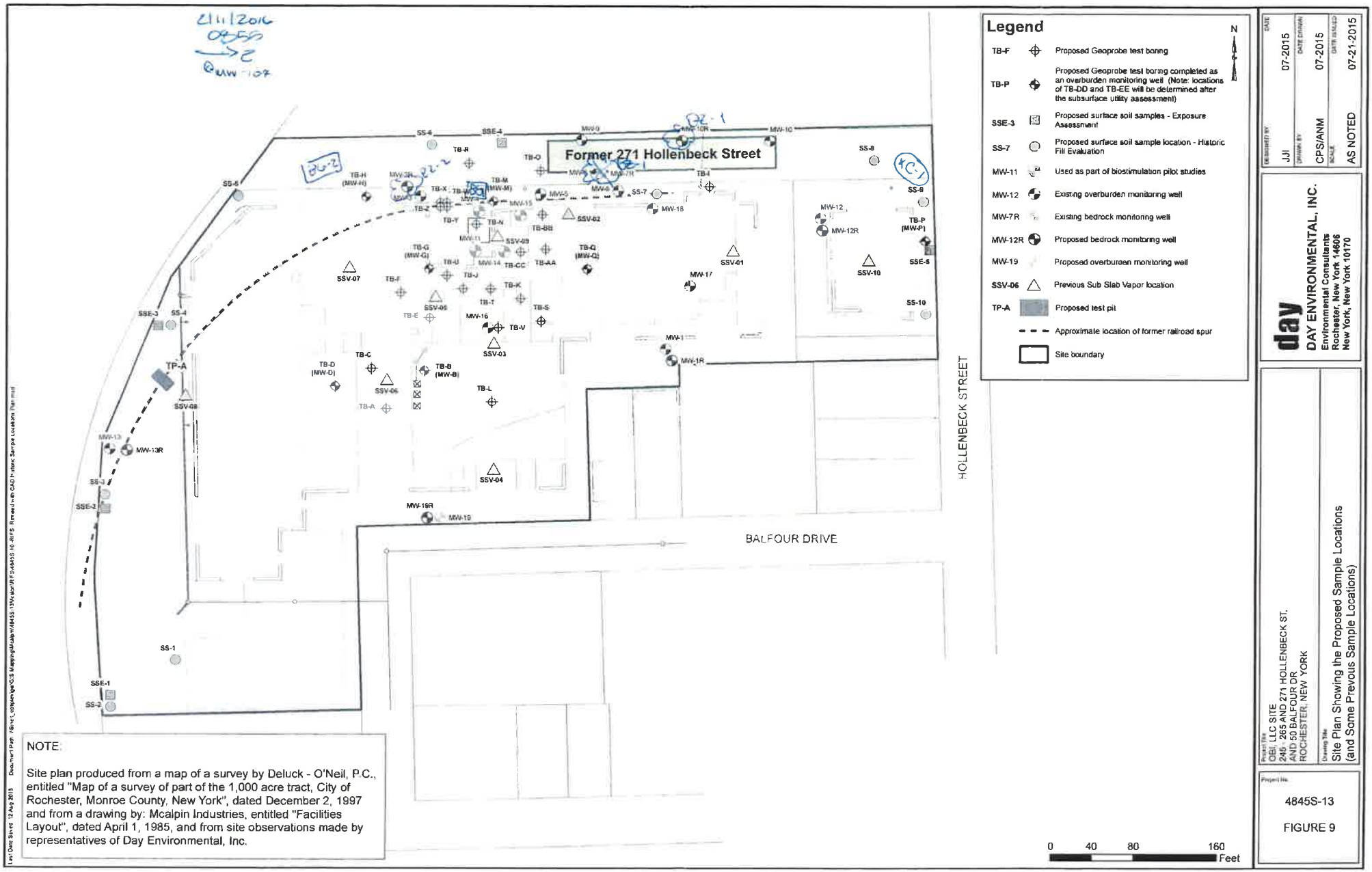

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FIGURE 9

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AIR MONITORING REPORT SHEET

DATE: 2/12/2016 PAGE: 1 OF 2

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SMS (Applus

ON-SITE: 0750 OFF-SITE: 1430

WEATHER CONDITIONS: 12° / windy PREVAILING WIND DIRECTION: E

PERSONNEL ON-SITE: SMS / JMP

NOTES: 0810 Set up CAMP. Coring begins @ 0930. 1005 losing 2 lot of H2O +025 = 1030 bmsx → 1058 (H2O) / 1058 fixing the d/t H2O loss. 1208 finished C-2 / lots of H2O & d/t freezing H2O.

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BACKGROUND	0810	BG	0.0	0.002
CAMP	0813	C-1	0.0	0.000
CAMP	0830	C-1	0.1	0.006
BREATHZONE	0945	BZ-1	0.0	0.005
CAMP	0947	C-1	0.0	0.003
CAMP	1000	C-1	0.0	0.002
BREATHZONE	1015	BZ-1	0.0	0.006
CAMP	1017	C-1	0.0	0.005
CAMP	1030	C-1	0.0	0.003
CAMP	1100	C-1	0.0	0.008
BREATHZONE	1103	BZ-1	0.0	0.007
CAMP	1120	C-1	0.0	0.010
BREATHZONE	1130	BZ-1	0.0	0.003
CAMP	1145	C-1	0.0	0.002
CAMP	1205	C-1	0.0	0.003

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary

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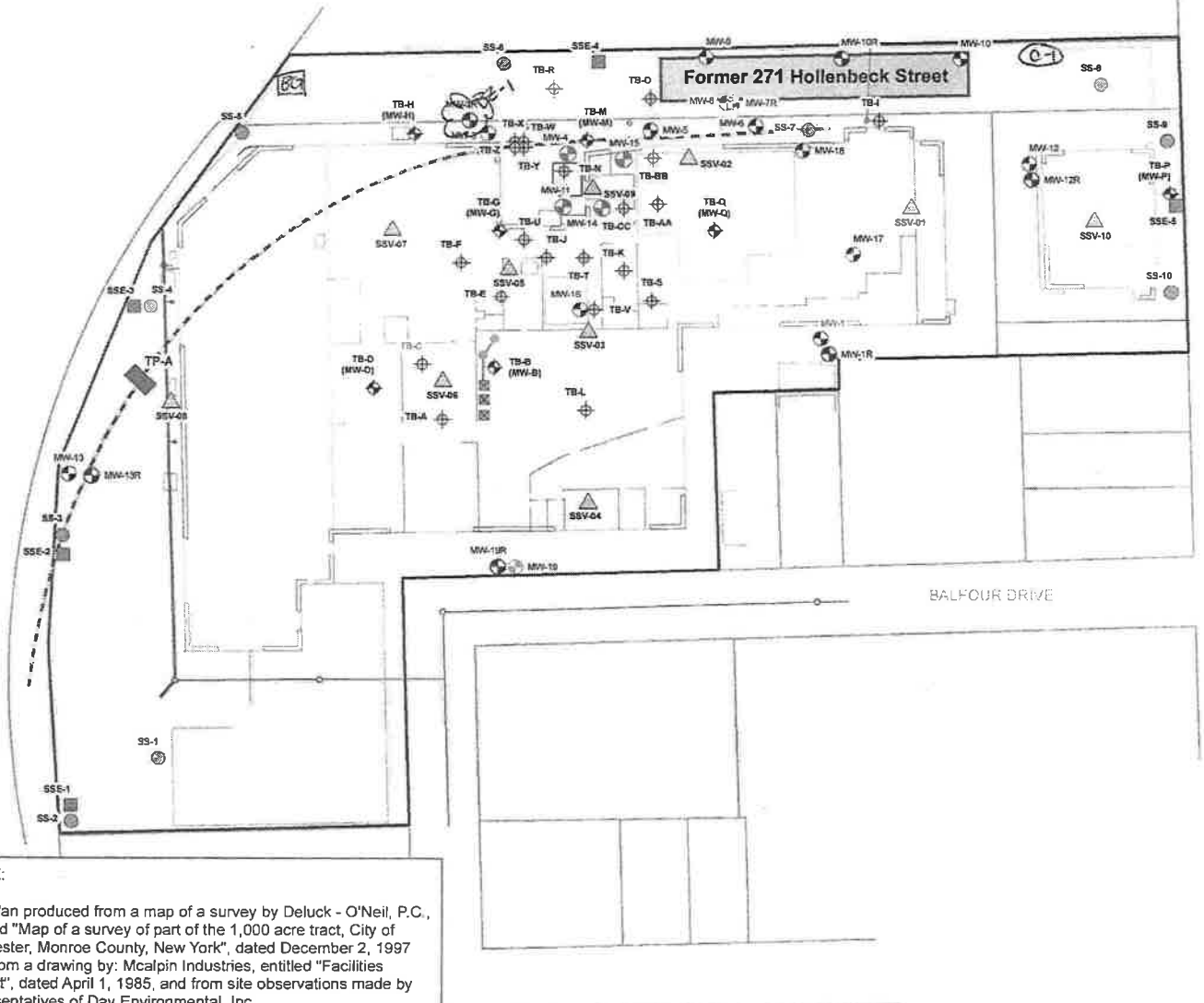
2/12/2016
→ E
0810



Legend

TB-F	Proposed Geoprobe test boring
TB-P	Proposed Geoprobe test boring completed as an overburden monitoring well (Note: locations of TB-DD and TB-EE will be determined after the subsurface utility assessment)
SSE-3	Proposed surface soil samples - Exposure Assessment
SS-7	Proposed surface soil sample location - Historic Fill Evaluation
MW-11	Used as part of biostimulation pilot studies
MW-12	Existing overburden monitoring well
MW-7R	Existing bedrock monitoring well
MW-12R	Proposed bedrock monitoring well
MW-19	Proposed overburden monitoring well
SSV-06	Previous Sub Slab Vapor location
TP-A	Proposed test pit
	Approximate location of former railroad spur
	Site boundary

N

0 40 80 160 Feet

NOTE:

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4845S-13

FIGURE 9

day
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AIR MONITORING REPORT SHEET

DATE: 2/15/16 PAGE: 1 OF 2

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SMS/Applus

ON-SITE: 0800 OFF-SITE: 1530

WEATHER CONDITIONS: 11°/low wind PREVAILING WIND DIRECTION: E - at Bivouac

PERSONNEL ON-SITE: JAD/SMS

NOTES: Wind carrying air to the North once it gets to the middle of the two buildings (front lot)
1218 wind blowing South to north @ MW-3B, take BG South of Bldg off Balfour Dr. Take C-1 (Camp) @ northern fence line N of MW-3R.
1405 - derek down on rig - done drilling @ MW-3R

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	1219	BG-1	0.1	0.008
Camp	1232	C-1	0.0	0.008
Breathing Zone	1228	BZ-1	0.2	0.023
Camp	1235	C-1	0.0	0.009
Camp	1245	C-1	0.0	0.011
Camp	1300	C-1	0.0	0.012
Breathing Zone	1301	BZ-1	0.0	0.022
Camp	1315	C-1	0.0	0.011
Camp	1330	C-1	0.0	0.012
Breathing Zone	1331	BZ-1	0.0	0.029
Camp	1345	C-1	0.0	0.012
Camp	1400	C-1	0.0	0.012
Breathing Zone	1401	BZ-1	0.0	0.023

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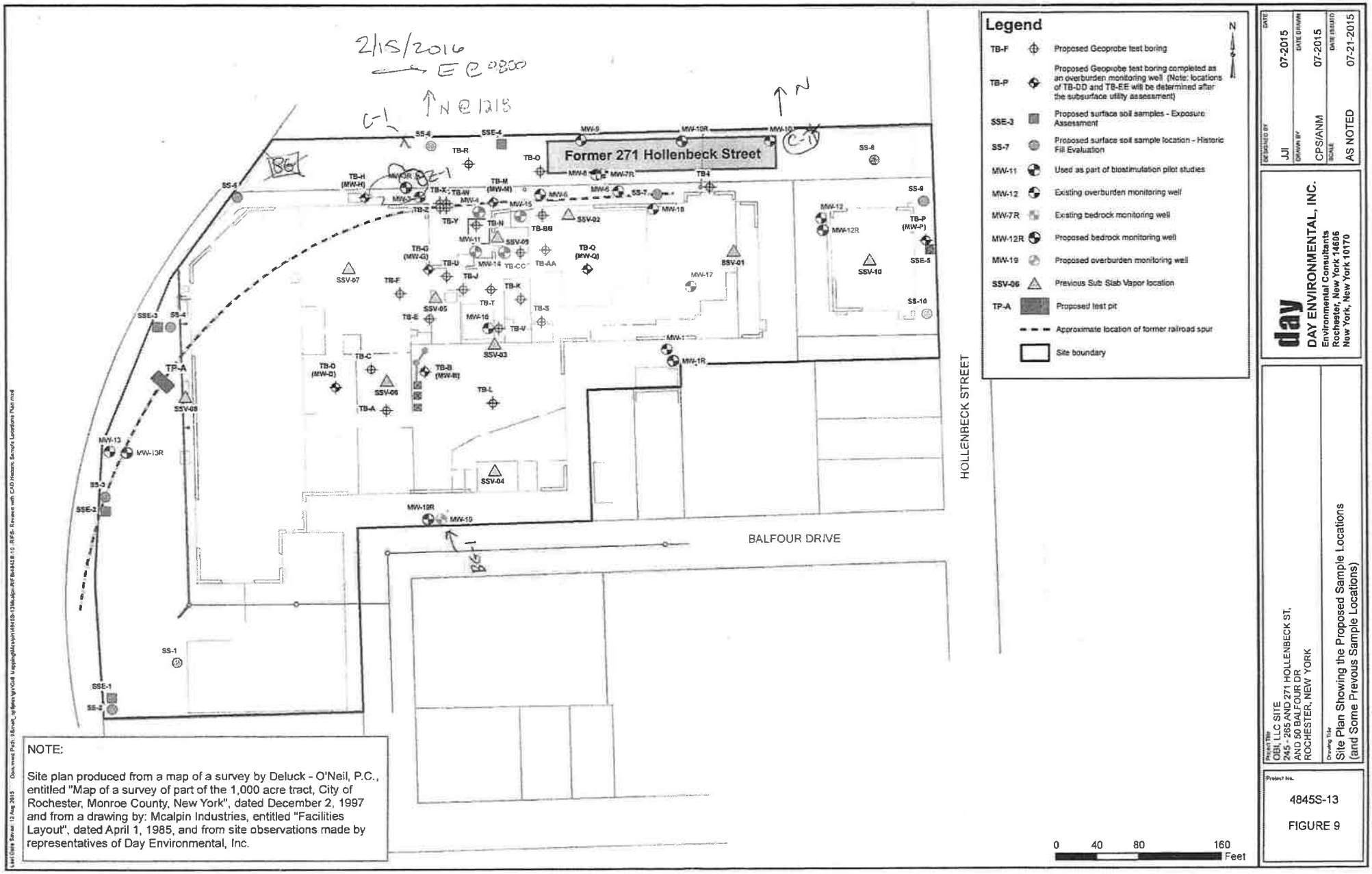

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DATE: 2/17/16 PAGE: 1 OF 2

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: Applus/SMS

ON-SITE: 0820 OFF-SITE: 1605

WEATHER CONDITIONS: 30° / clear PREVAILING WIND DIRECTION: E @ 1050m E/SE @ 1415

PERSONNEL ON-SITE: SMS

NOTES: 1110 Begun installing (new) MW-19 to 10.5'
1155 MW-19 complete, mins Cumb for Lunch @ 12.
Resume to DPing MW-19R - BG same/CAMP same
@ 1530 there were 2 diesel trucks on road at staging area -
2150 heavy flurries & drifting

1545 Done

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	1050	BG	0.0	0.002
CAMP	1053	C-1	0.0	0.0014
CAMP	1105	C-1	0.0	0.010
Breathzone	1107	BZ-1	0.0	0.011
CAMP	1120	C-1	0.0	0.010
CAMP	1135	C-1	0.0	0.011
Breathzone	1138	BZ-1	0.0	0.010
CAMP	1150	C-1	0.0	0.001
CAMP	1415	C-1	0.0	0.007
CAMP	1430	C-1	0.0	0.006
Breathzone	1447	BZ-1	0.0	0.006
CAMP	1500	C-1	0.0	0.011
CAMP	1515	C-1	0.0	0.017
CAMP	1530	C-1	1.7	0.024
Breathzone	1532	BZ-1	0.9	0.028
CAMP	1545	C-1	0.1	0.026

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
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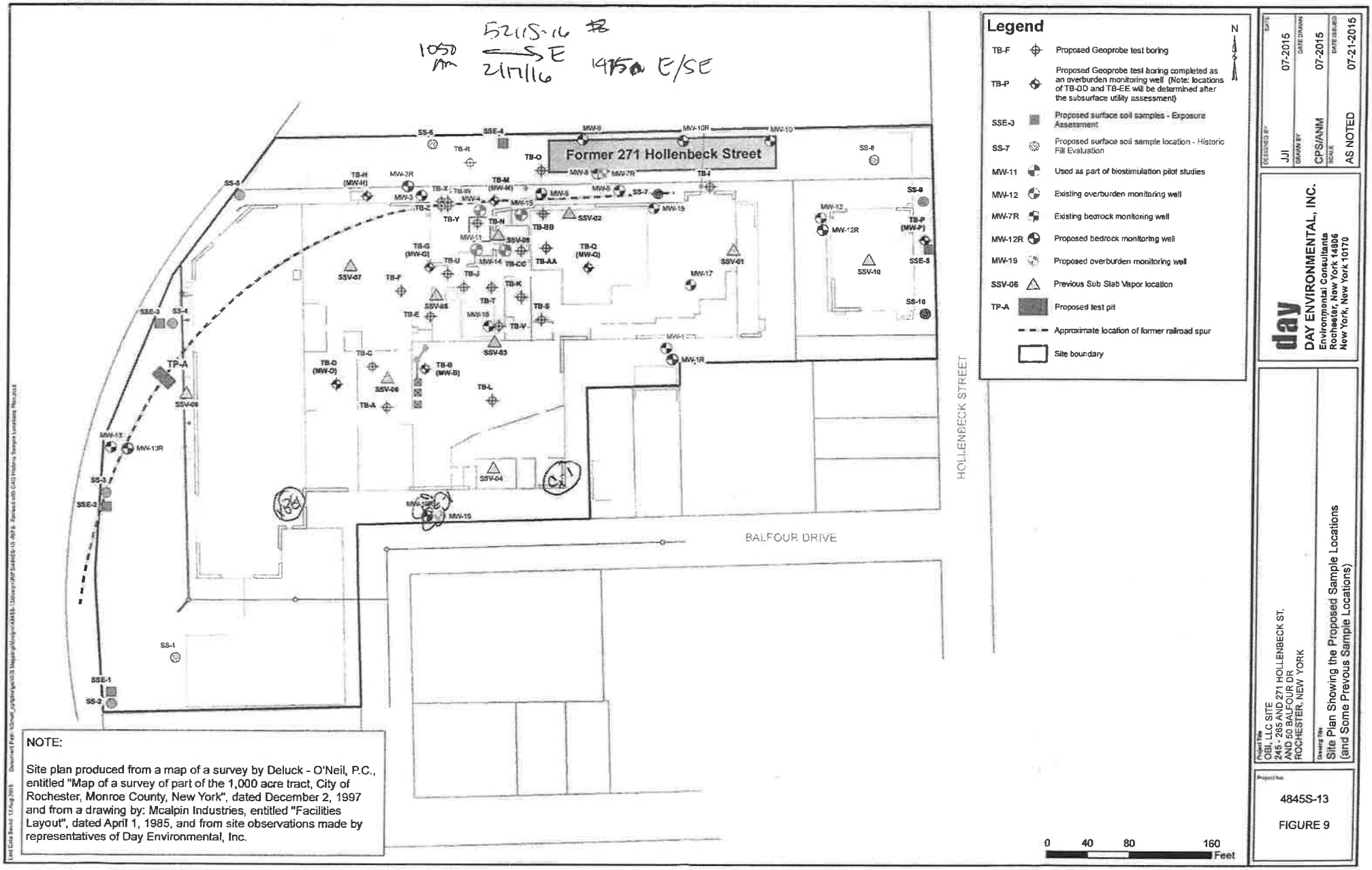

NOTE:

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DESIGNED BY: JJI — DATE: 07-2015
DRAWN BY: CPS/ANM — DATE DRAWN: 07-2015
SCALE: AS NOTED — DATE ISSUED: 07-21-2016

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST.
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title
Site Plan Showing the Proposed Sample Locations (and Some Prevous Sample Locations)

Project No.
4845S-13

FIGURE 9

day
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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 2/18/16 PAGE: 1 OF 2

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SMS / Apollus ~~PD~~

ON-SITE: 0800 OFF-SITE: 1445

WEATHER CONDITIONS: 14° / clear PREVAILING WIND DIRECTION: E @ 0840

PERSONNEL ON-SITE: SMS

NOTES: 0915 Begin Reaming @ MW-19R - 0948 Done

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BACKGROUND	0840	BG	0.0	0.000
CAMP	0841	C-1	0.0	0.000
CAMP	0920	C-1	0.0	0.002
REAMING	0925	BZ-1	0.0	0.001
CAMP	0935	C-1	0.0	0.001

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary

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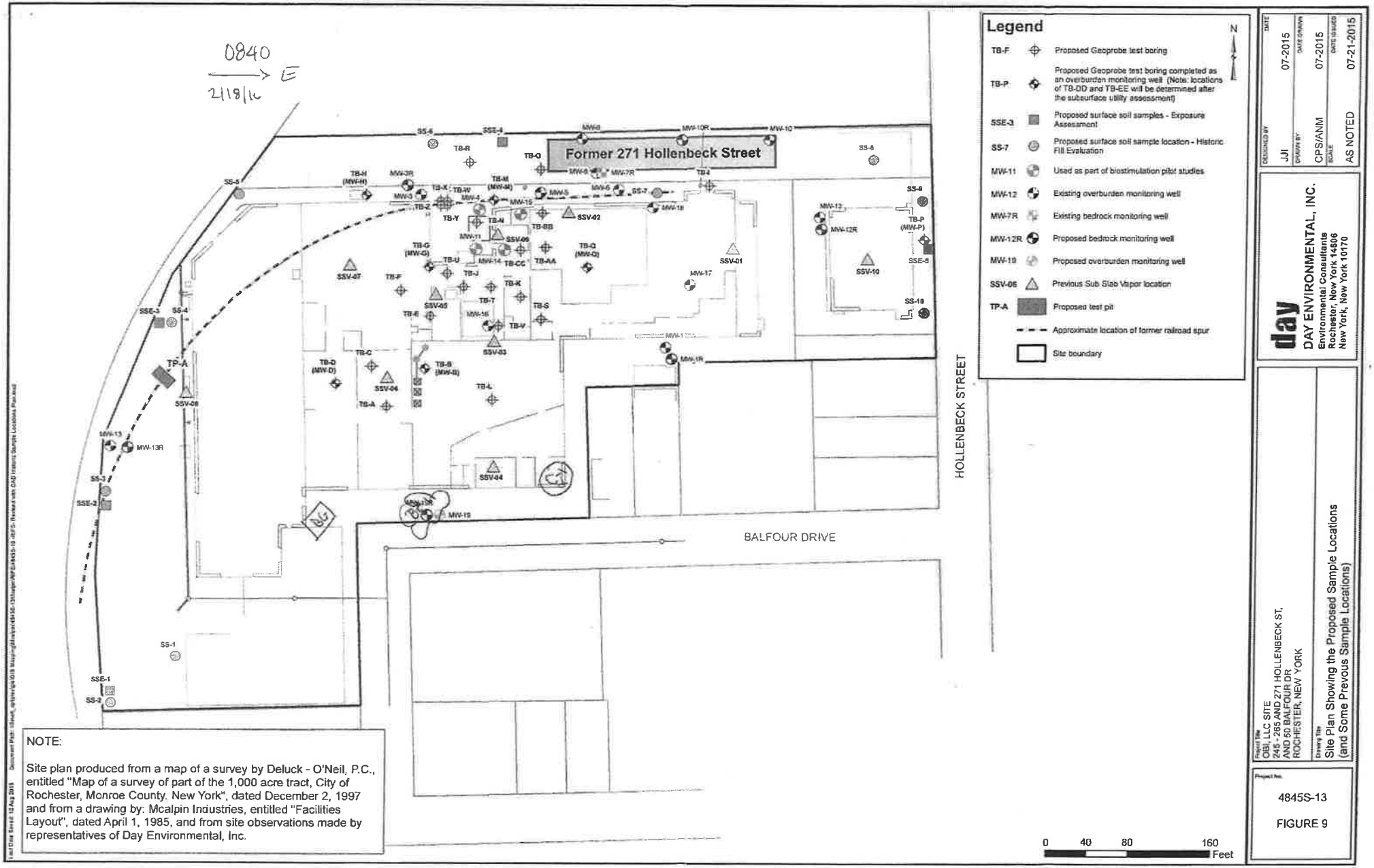
0840
E
2/18/16
Former 271 Hollenbeck Street
HOLLENBECK STREET
BALFOUR DRIVE
Legend
TB-F Proposed Geoprobe test boring
TB-P Proposed Geoprobe test boring completed as an overburden monitoring well (Note: locations of TB-DD and TB-EE will be determined after the subsurface utility assessment)
SSE-3 Proposed surface soil samples - Exposure Assessment
SS-7 Proposed surface soil sample location - Historic Fill Evaluation
MW-11 Used as part of biostimulation pilot studies
MW-12 Existing overburden monitoring well
MW-7R Existing bedrock monitoring well
MW-12R Proposed bedrock monitoring well
MW-19 Proposed overburden monitoring well
SSV-05 Previous Sub Slab Vapor location
TP-A Proposed test pit
Approximate location of former railroad spur
Site boundary
N
0 40 80 160 Feet
NOTE:
Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County. New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.
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4845S-13
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AN AFFILIATE OF DAY ENGINEERING, P.C.

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DATE: 2/19/16 PAGE: 1 OF 3

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SMC/Applus

ON-SITE: 0750 OFF-SITE: 1740

WEATHER CONDITIONS: 25°/clear PREVAILING WIND DIRECTION: NW

PERSONNEL ON-SITE: SMS

NOTES: 0940 began coring MW-13R / Reaming 1030-1115
Begin coring MW-1R @ 1310/end coring @ 1510

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	0730	BG	0.0	0.000
CAMP	0932	C-1	0.0	0.007
CAMP	0945	C-1	0.0	0.008
Breathzone	1000	BZ-1	0.0	0.002
CAMP	1002	C-1	0.0	0.003
CAMP	1015	C-1	0.0	0.002
Breathzone	1030	BZ-1	0.0	0.003
CAMP	1031	C-1	0.0	0.003
CAMP	1045	C-1	0.0	0.002
Breathzone	1100	BZ-1	0.0	0.001
CAMP	1102	C-1	0.0	0.002
CAMP	1115	C-1	0.0	0.001
BACKGROUND	1250	BG-2	0.0	0.004
CAMP	1252	C-2	0.0	0.002
CAMP	1315	C-2	0.1	0.006
Breathzone	1316	BZ-2	0.0	0.005
CAMP	1330	C-2	0.0	0.003
CAMP	1345	C-2	0.0	0.000
Breathzone	1346	BZ-2	0.0	0.001

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET (Continued)

DATE: 2/19/16 PAGE: 2 OF 3

JOB #: 5211S-16 (OBI)

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
CAMP	1400	C-2	0.0	0.000
CAMP	1415	C-2	0.0	0.001
BREATHING ZONE	1416	BZ-2	0.0	0.000
CAMP	1430	C-2	0.0	0.001
CAMP	1445	C-2	0.0	0.000
BREATHING ZONE	1500	BZ-2	0.0	0.000
CAMP	1501	C-2	0.0	0.001

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
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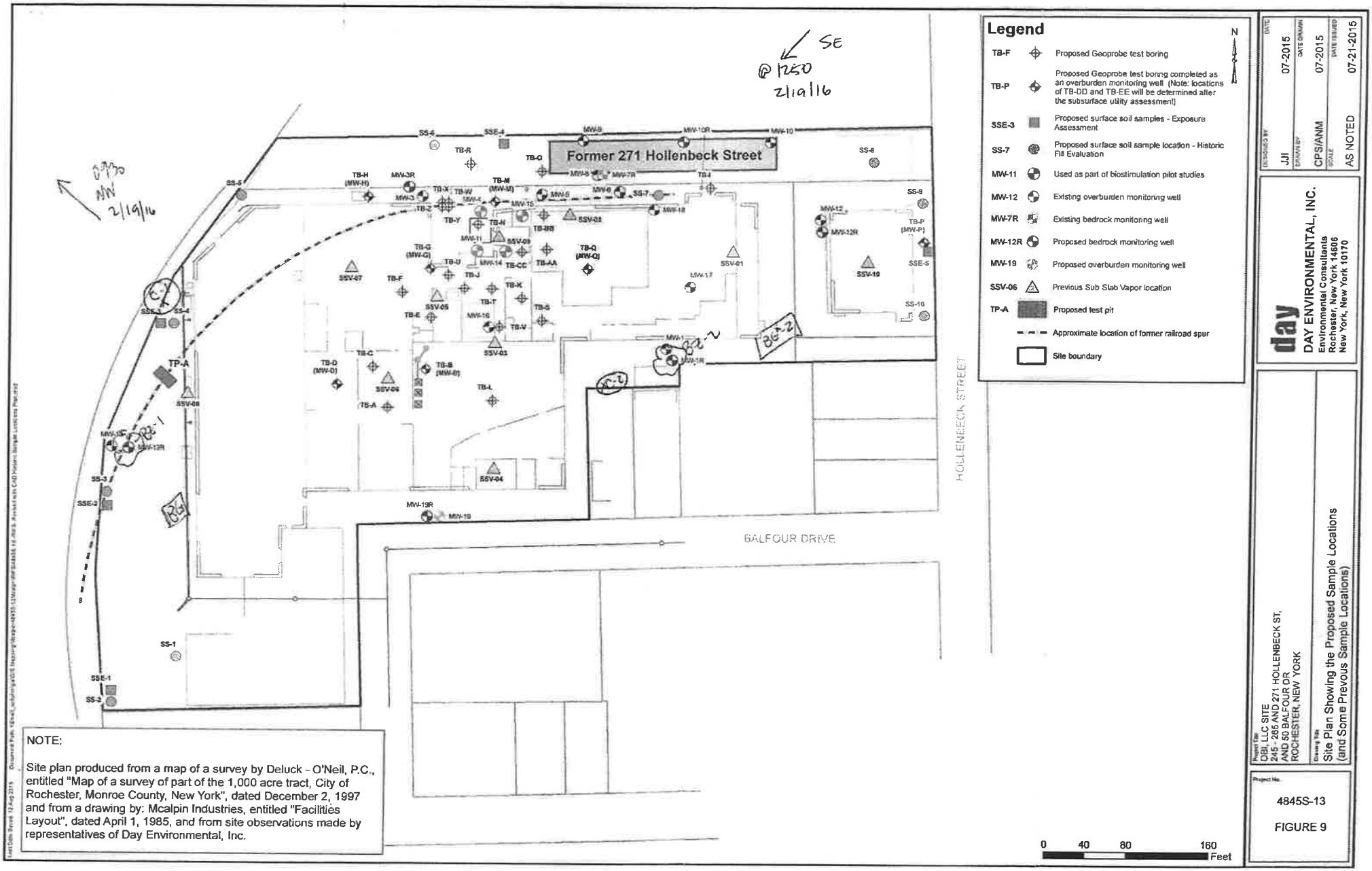

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AIR MONITORING REPORT SHEET

DATE: 3/28/16 PAGE: 1 OF 2

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SRK / TKEC

ON-SITE: 650 OFF-SITE: 1405

WEATHER CONDITIONS: Raining PREVAILING WIND DIRECTION: N

PERSONNEL ON-SITE: SKE SMS

NOTES: Replaced Particulate Meter battery at 820.
Particulate meters stopped working between C5 and BG 6 (1042-1058)

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BG	735	BG	0.0	0.001
C1	736	C1	0.0	0.001
	751		0.0	0.002
C2, BG2	812	C2 BG2	0.0	0.000
C2	815	C2	0.0	0.000
BG3	830	BG3	0.1	0.002
C3	855	C3	0.0	0.000
	910		0.0	0.001
BG4	923	BG4	0.0	0.002
	938	C4	0.0	0.000
BG5	1004	BG5	0.2	0.038
C5	1027	C5	0.2	0.000
C5	1042		0.2	0.003
BG 6	1058	BG 6	0.0	
C6	1115	C6	0.0	
	1130		0.0	
	1157		0.0	
	1250		0.0	
	1305		0.1	
	1330		0.2	

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary

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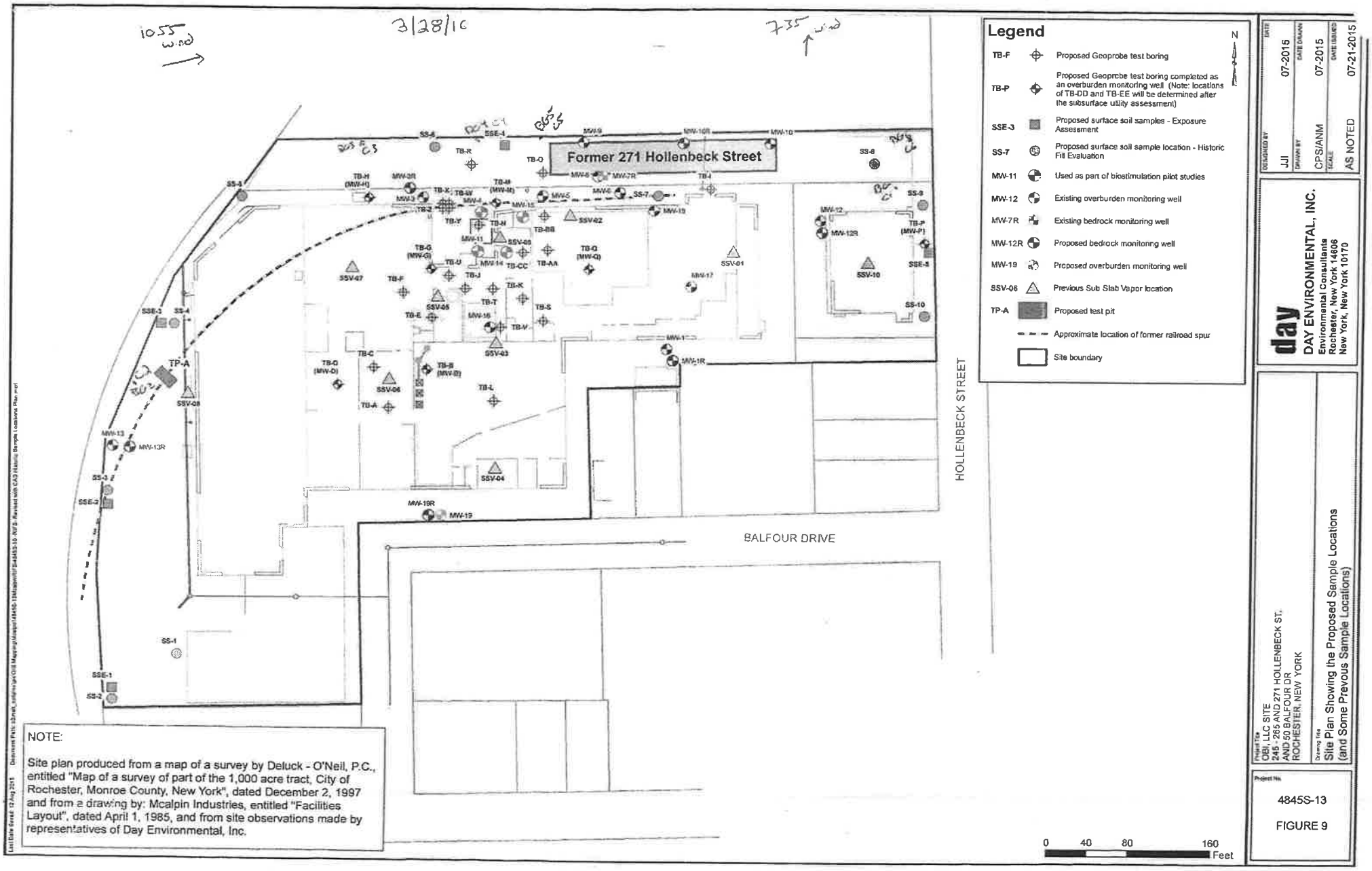

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day
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Rochester, New York 14606
New York, New York 10170

Project Title: DBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST.
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title: Site Plan Showing the Proposed Sample Locations (and Some Prevous Sample Locations)

Project No. 4845S-13

FIGURE 9

day
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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 3/29/16 PAGE: 1 OF 3

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SMS/TRC

ON-SITE: 0805 OFF-SITE: 1618

WEATHER CONDITIONS: Sunny 34° PREVAILING WIND DIRECTION: 0820 W / NE 1020 / SE 1300

PERSONNEL ON-SITE:

NOTES: Start drilling @ 0820. 1008 Step auger. Part. Change bats need to be replaced. Moved location - begin GCO probe end 1055. BZ CAMP @ 1205 - 1210 / END @ 1400
1500 begin / CAMP (change direction) 1545 end

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
~~DRILLING~~	0820	BG	0.0	0.000
CAMP	0822	C-1	0.0	0.000
CAMP	0840	C-1	0.0	0.003
BREATHING	0841	BZ-1	0.0	0.000
CAMP	0855	C-1	0.0	0.002
CAMP	0910	C-1	0.1	0.016
BREATHING	0911	BZ-1	0.0	0.003
CAMP	0925	C-1	0.0	0.001
CAMP	0940	C-1	0.4	0.000
BREATHING	0942	BZ-1	0.1	0.002
CAMP	1000	C-1	0.0	0.001
CAMP	1020	C-1	0.0	
CAMP	1035	C-1	0.0	
CAMP	1050	C-1	0.0	
BREATHING	1052	BZ-1	0.0	
CAMP	1210	C-2	0.0	0.000
CAMP	1225	C-2	0.0	0.001
BREATHING	1230	BZ-1	0.0	0.000
~~CAMP~~ BG	1300	BG-1	0.0	0.000
~~BREATHING~~ CAMP	1304	C-3	0.0	0.000

BG-2 0.0 0.000

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
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AIR MONITORING REPORT SHEET (Continued)

DATE: 3/29/16 PAGE: 2 OF 3

JOB #: 5211S-16 (OBI)

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
CAMP	1320	C-3	0.0	0.002
BREATHING ZONE	1321	BZ-2	0.0	0.001
CAMP	1335	C-3	0.0	0.001
CAMP	1350	C-3	0.0	0.000
BG BACKGROUND	1445	BG-2	0.0	0.000
CAMP	1446	C-2	0.0	0.007
CAMP	1500	C-2	0.0	0.000
BREATHING ZONE	1504	BZ-3	0.0	0.003
CAMP	1516	C-2	0.4	0.002
CAMP	1530	C-2	0.0	0.002
BREATHING ZONE	1532	BZ-3	0.0	0.000

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary

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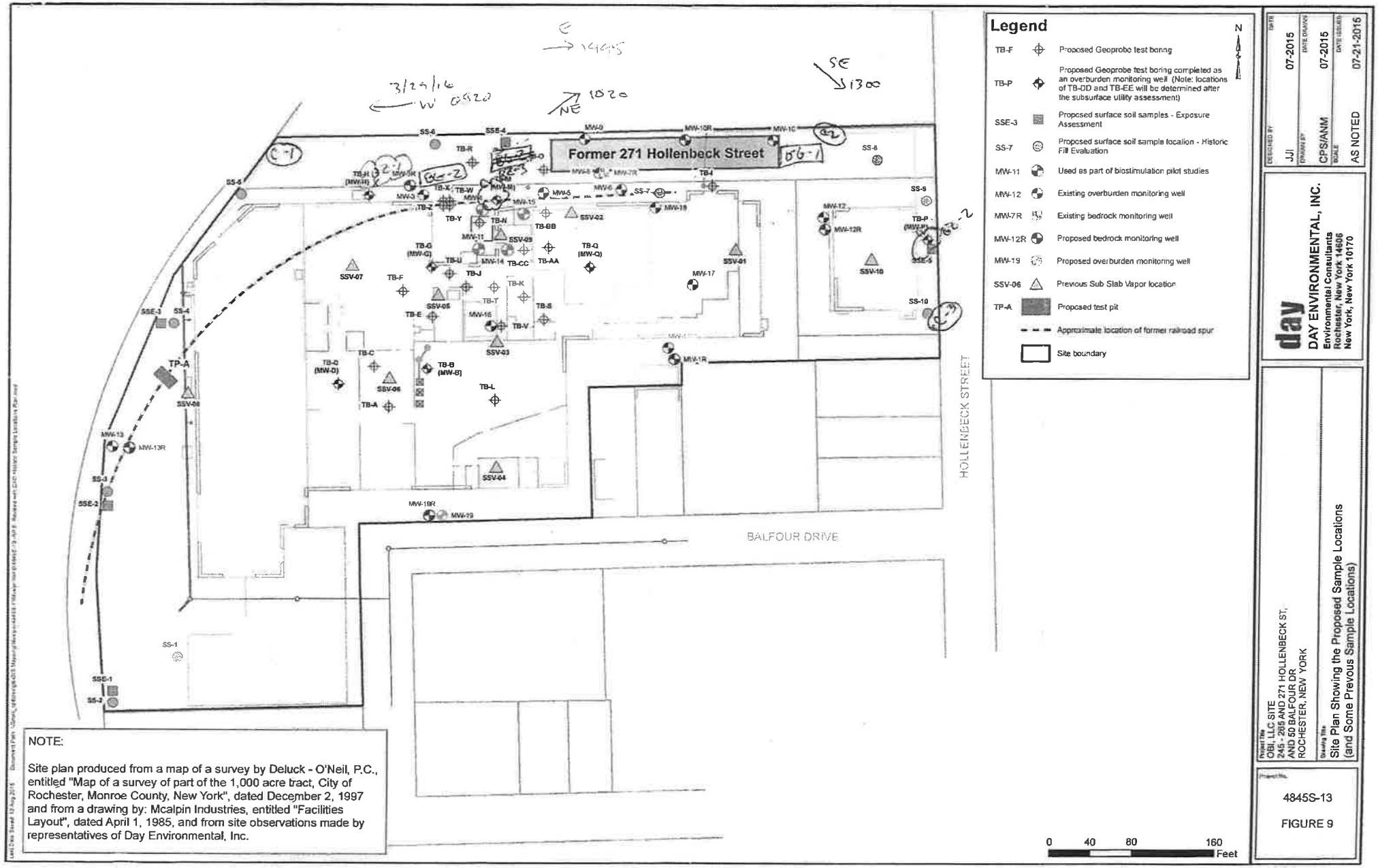

Legend

TB-F	Proposed Geoprobe test boring
TB-P	Proposed Geoprobe test boring completed as an overburden monitoring well (Note: locations of TB-DD and TB-EE will be determined after the subsurface utility assessment)
SSE-3	Proposed surface soil samples - Exposure Assessment
SS-7	Proposed surface soil sample location - Historic Fill Evaluation
MW-11	Used as part of biostimulation pilot studies
MW-12	Existing overburden monitoring well
MW-7R	Existing bedrock monitoring well
MW-12R	Proposed bedrock monitoring well
MW-19	Proposed overburden monitoring well
SSV-06	Previous Sub Slab Vapor location
TP-A	Proposed test pit
	Approximate location of former railroad spur
	Site boundary

N

NOTE:

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Project Title
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Drawing Title
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4845S-13

FIGURE 9

day
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AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 3/30/16 PAGE: 1 OF 2

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: SM1 / TEGC

ON-SITE: 1205 OFF-SITE: 0805

WEATHER CONDITIONS: 55° Sunny/windy PREVAILING WIND DIRECTION: N/NE / 1220 / 1730S

PERSONNEL ON-SITE:

NOTES: 1240 begin monitoring/CAMP. 1408 end / 1415 (12.5") END Camp
1740 begin Camp. 1840 end CAMP

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BACKGROUND	1225	BG-1	0.0	0.002
CAMP	1229	C-1	0.0	0.003
BREATHING ZONE	1231	BZ-1	0.0	0.007
CAMP	1245	C-1	0.0	0.008
CAMP	1259	C-1	0.0	0.011
Breathing	1300	BZ-1	0.0	0.004
CAMP	1315	C-1	0.0	0.006
CAMP	1331	C-1	0.0	0.005
Breathing	1333	BZ-1	0.0	0.000
CAMP	1400	C-1	0.0	0.009
CAMP	1415	C-1	0.0	0.004
Background	~~1530~~ 1730	BZ-2	0.0	0.002
CAMP	~~1535~~ 1735	C-2	0.0	0.005
CAMP	1745	C-2	0.0	0.001
Breathing	1800	BZ-2	0.0	0.016
CAMP	1807	C-2	0.0	~~0.007~~ 0.007
CAMP	1815	C-2	0.0	0.009
Breathing	1830	BZ-2	0.0	0.011
CAMP	1830	C-2	0.0	0.008

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary
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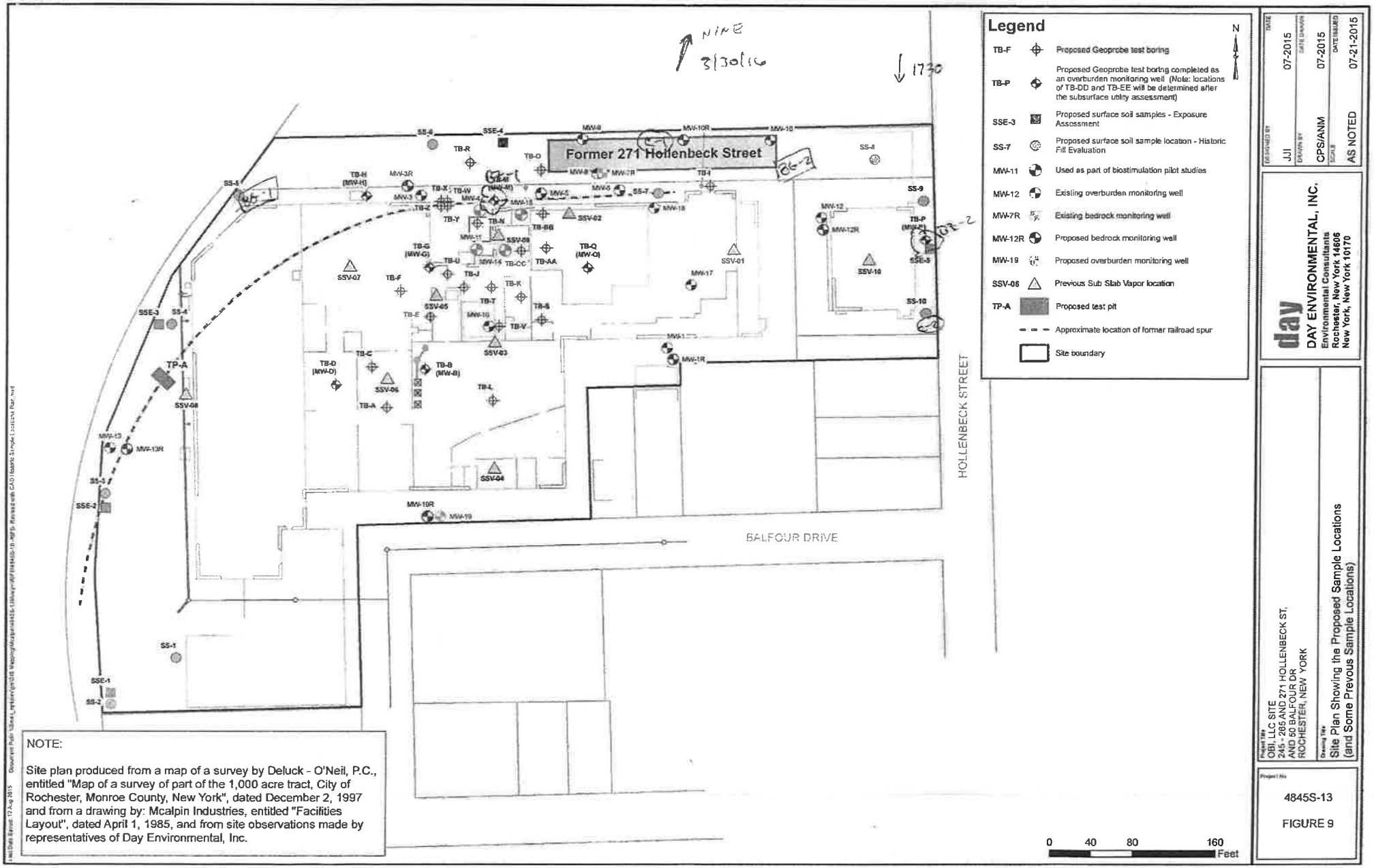

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Project No: 4845S-13

FIGURE 9

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AIR MONITORING REPORT SHEET

DATE: 4/6/16 PAGE: 1 OF 2

JOB #: 5211S-16(OBI)

SITE: 245-265, 271 Hollenbeck St., 50 Balfour Dr.

BY: MEC/SMJ

ON-SITE: 1000 OFF-SITE: ~~34° / clear - cloudy~~ 1523 off-site

WEATHER CONDITIONS: 34° / clear → cloudy → snow PREVAILING WIND DIRECTION: W

PERSONNEL ON-SITE: SMJ / JAP

NOTES: Extons TBS

1200 - drilling stopped - check pH strips for more macro core liquid

1230 - back to work

1340 - done drilling

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
Background	~~11~~ 10:30	BG-1	0.0	0.057
CAMP	10:45	C-1	0.00	0.013
CAMP	11:05	C-1	0.2 → ~~3.02~~	0.011
CAMP	11:15	C-1	0.1	0.010
CAMP	11:30	C-1	0.0	0.012
CAMP	11:45	C-1	0.0	0.012
CAMP	12:00	C-1	0.0	0.011
CAMP	12:45	C-1	0.0	0.014
CAMP	13:00	C-1	0.0	0.013
CAMP	13:15	C-1	0.1	0.012
CAMP	1330	C-1	0.0	0.011
	1345			
	~~1400~~			

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary

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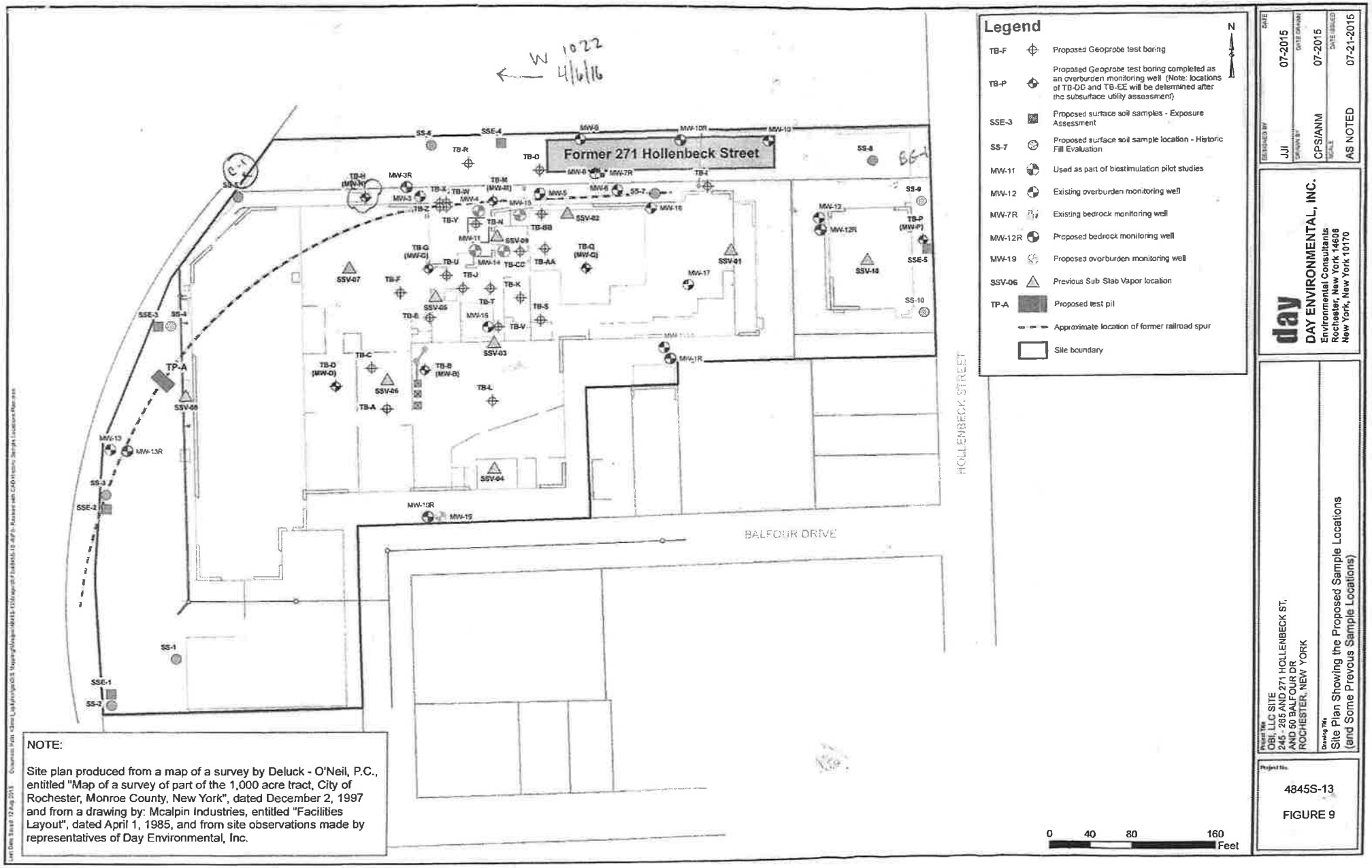

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DRAWN BY CPS/ANM DATE DRAWN 07-2015
SCALE AS NOTED DATE ISSUED 07-21-2015

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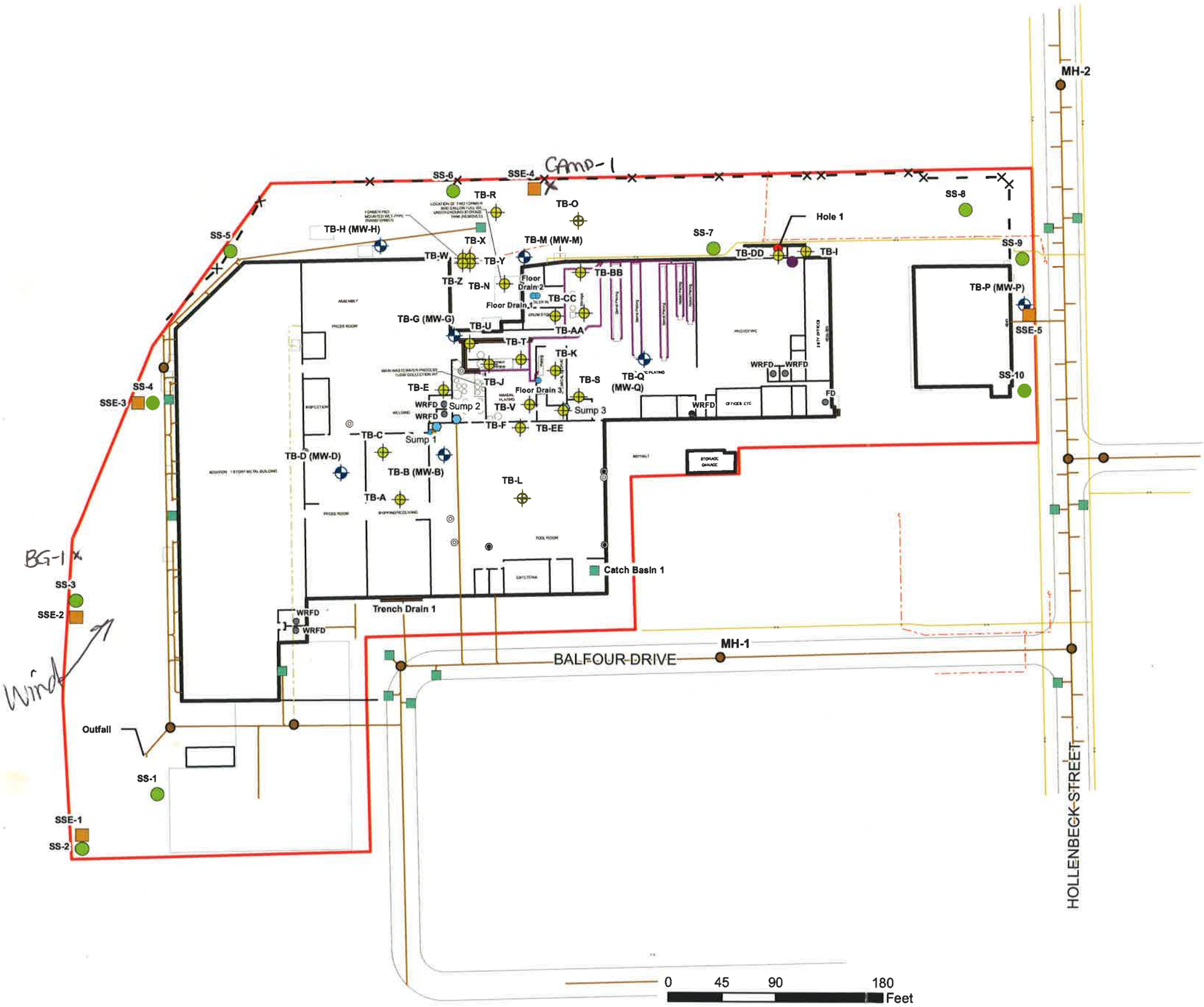
FIGURE 9

6/19/2017



Legend

- Geoprobe test boring
- Geoprobe test boring completed as an overburden monitoring well (Note: locations of TB-DD and TB-EE to be confirmed by NYSDEC)
- Surface Soil samples - Exposure Assessment
- Surface Soil sample location - Historic Fill Evaluation
- Floor drain
- Washroom floor drain (WRFD)
- Condensate collection pit
- Sump pump
- Catch Basin
- Hole
- Oil Water Separator
- Manhole (MH)
- Cleanout
- Roof drain
- Sewer line removed
- Combined sewer line
- Trench drain
- Process piping
- Electric line
- Gas line
- Building
- Site boundary

N

NOTES:

- The discharge point of the following subsurface features was determined to be combined sewer system by dye testing and observation at Manhole 1 (i.e., combined sewer system):
  - Sump 1
  - Sump 2
  - Trench Drain 1
  - Catch Basin 1
- The discharge point of Floor Drain 2 was determined to be combined sewer system by dye testing and observation at Manhole 2 (i.e., combined sewer system)
- Sump 3 and Hole 1 were determined to be blocked by dye testing
- Floor Drain 3 was visually determined to discharge to the trench drain system
- Process piping system discharges to the wastewater treatment area
- Plating line liquid discharge enters overhead lines which then enter the process piping, which discharged to wastewater treatment area

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

DESIGNED BY	DRAWN BY	SCALE	DATE
RLK	CPS/CCD	AS NOTED	03-2016

DATE DRAWN	DATE ISSUED
03-2016	03-29-2016

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title
Site Plan Showing Utility Locations and Proposed Sample Locations

Project No.
5211S-16

FIGURE 1

Last Date Saved: 09 Apr 2016 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Mcalpin\5211S-6-Installed Sample and Utility Plan 2016.mxd

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AN AFFILIATE OF DAY ENGINEERING, P.C.

AIR MONITORING REPORT SHEET

DATE: 6/19/17 PAGE: 1 OF 1

JOB #: 031.52115-16

SITE: 50 Balfour Dr, 265+271 Hollenbeck St, Rochester, NY

BY: Hmm

ON-SITE: 8:30 OFF-SITE: 15:15

WEATHER CONDITIONS: 75°F PREVAILING WIND DIRECTION: ~~SW~~ NE from SW

PERSONNEL ON-SITE: Hmm

NOTES: Excavation not started until 11:05 am.

DESCRIPTION	TIME	LOCATION	PID (ppm)	PARTICULATES (mg/m3)
BG-1	9:30	BG-1	0.0	0.001
CAMP-1	11:15	CAMP-1	0.0	0.001
BZ	11:30	BZ-1	0.0	0.000
CAMP-	11:31	CAMP-1	0.0	0.000
CAMP	11:48	CAMP-1	0.0	0.001
CAMP	12:05	CAMP-1	0.0	0.002
BZ	12:05	BZ-1	0.0	0.003
CAMP	12:15	CAMP-1	0.0	0.001
BZ	12:30	BZ-1	0.0	0.004
CAMP	12:36	CAMP-1	0.0	0.003
BZ	12:45	BZ-1	0.0	0.002
CAMP	12:48	BZAMP-1	0.0	0.003
CAMP	14:00	CAMP-1	0.0	0.005
CAMP	14:15	CAMP-1	0.0	0.006
BZ	14:18	BZ-1	0.0	0.008
CAMP	14:35	CAMP-1	0.0	0.002

DESCRIPTION: BZ = Breathing Zone, BG = Upwind Background, CAMP = Outside work area/at property boundary

S:/fieldforms/Air Monitoring

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APPENDIX D

Photo Log

Transformer located on north portion of main building courtyard

Installation of bedrock monitoring well MW-10R

Installation of bedrock monitoring well MW-12R

Decontamination pad set up by Applus in north courtyard area

Test pit TP-A, located to the west of the main building, taken looking northwest

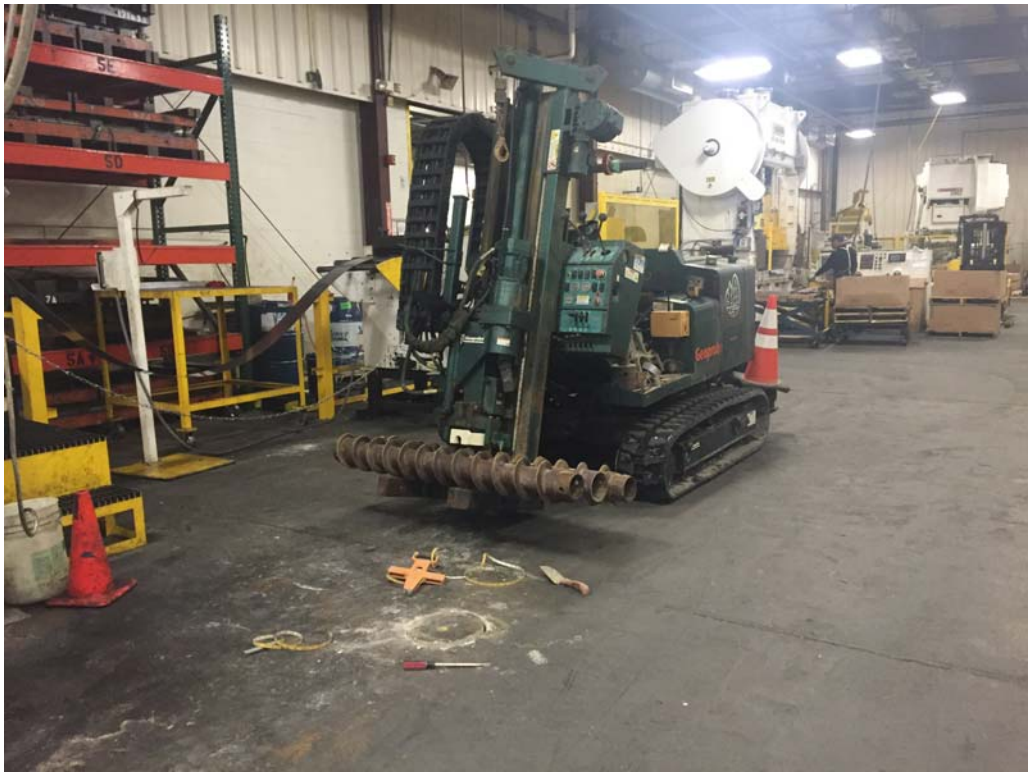
Bedrock cores from bedrock monitoring well MW-12R

Sump #2, located south of the water treatment plant

Location of former vapor degreaser

Excavated area of damaged sewer line (i.e., original location of MW-19)

North portion of site as Applus demobilizes, looking west



TREC track-mounted Geoprobe drill rig within the main building

Manhole 1 (MH-1), located south of the Site in Balfour Drive, looking north.

Pipe chase within northern portion of main building

Frac tank that was located on south portion of Site for storage of development water from bedrock monitoring wells

Location of former Barrel Plating Line

View of approximate 10,000-gallon UST located in north portion of courtyard area north of Main Building, looking east

APPENDIX E

Test Boring Logs and Test Pit Logs

day
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DAY ENVIRONMENTAL, INC.
AN AFFILIATE OF DAY ENGINEERING, P.C.

Test Boring SS-1

Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: HMM/JAD/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 1.0' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
	NA	S1	0-1	100	NA	0.5	0.0	Dark Brown, TOPSOIL, some Rock, some Asphalt, trace Organics (FILL) Tan-brown, fine Sandy SILT, moist Grey mottled, SILT, trace Clay, moist	
1								Terminated at 1.0'	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring SS-1

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Test Boring SS-2

Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: HMM/JAD/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 1.5' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-1.5	100	NA	0.1	0.0	Dark Brown, Silt, some Sand, Gravel, little Glass, Asphalt and Metal Rail Spike (FILL)	
2								Refusal on possible Asphalt slab at 1.5'	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring SS-2

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring SS-2-1

Ground Elevation: NA
Datum: NA
Date Started: 3/29/2016
Date Ended: 3/29/2016
Borehole Depth: 4.0'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	60	NA		0.0	Topsoil and Organics	
							2.8	Dark Gray, Sand, some Gravel, Asphalt, Glass, damp (FILL)	
2							3.0	Gray/Brown, SAND, little Gravel, damp	
3						0.0	3.0	...little Silt, moist	
4								Terminated @ 4.0'	
5									
6									
7									
8									
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13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring SS-2-1

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Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: HMM/JAD/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Test Boring SS-3

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 1.3' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
	NA	S1	0-1	100	NA	0.0	0.0	Dark Brown, TOPSOIL (Silt)	
1								... Trace Coal.....tan (FILL)	
	NA	S2	1-1.3	100	NA	0.0	0.0	Mottled brown and tan, SILT, damp	
2								Terminated at 1.3'	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring SS-3

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50 Balfour Dr., Rochester
DAY Representative: HMM/JAD/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Test Boring SS-4

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 2.0' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-2	100	NA	0.7	0.0	Silt, Coal, moist (FILL) ...Slag and Cinders Tan brown SILT, trace Clay	Slag/cinder/FILL pocket at 1.2 to 1.3 ft. bgs
2								Terminated at 2.0'	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring SS-4

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DAY Representative: HMM/JAD/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Test Boring SS-5

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 2.0' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-2	100	NA	0.1	0.0	Brown Silt, Gravel, trace Brick, Coal and Ash (FILL)	
2								Brown SILT, damp	
3								Terminated at 2.0'	
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring SS-5

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Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: HMM/JAD/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Test Boring SS-6

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 3.0' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-3	100	NA	3.7	0.0	Brown with orange mottling Silt, trace Brick and Ceramic (FILL), damp	
2								Light Brown SILT	
3								Terminated at 3.0'	
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring SS-6

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Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: HMM/JAD/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Test Boring SS-7

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 3.2' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
0						1.9		Crushed Stone and Sand (FILL), damp	
1	NA	S1	0-3.2	100	NA	2.8	NA	Light Brown Silt, trace Clay, moist (FILL) Black SILT, some Rock, Brick, Concrete and Glass, moist (FILL)	
2						2.1		Grey, Silt, trace Gravel, Brick and Rock (FILL)	
3								Grey-brown, SILT	
4								Terminated at 3.2'	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring SS-7

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Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: HMM/JAD/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Test Boring SS-8

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 3.5' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-3.5	100	NA	0.0	NA	Brown and black Silt with some Rock, Gravel and Sand, little Asphalt and Slag, trace Ash, Brick and Coal, moist (FILL)	
2								Ash and Slag at 1.8'	
3								Tan, grey, brown, SILT, trace Clay, some Roots from nearby tree, moist	
4								Terminated at 3.5'	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring SS-8

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Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: HMM/JAD/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Test Boring SS-9

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 3.0' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-3	100	NA	0.0 NA	0.0 0.0	Dark Brown, Silt, trace Coal, Concrete and Brick, moist (FILL)	
2									
3							0.0	Mottled tan and dark brown, SILT, moist	
4								Terminated at 3.0'	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring SS-9

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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: HMM/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Test Boring SS-10

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 3 ft. bgs Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-3	100	NA	0.0 NA	0.0 0.0	Dark Brown, Silt, trace Gravel, Glass, Brick and Wood (FILL) …Tan with brown mottling, trace Clay ...Trace Coal	
2								…Trace Brick	
3							0.0	Mottled tan and dark brown SILT, trace Gravel and Clay	
4								Terminated at 3.0'	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring SS-10

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: HMM/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Test Boring TB-H

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 2.0' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S1	0-2	100	NA	0.0	0.0	Light to medium brown Silt, some Gravel, trace Brick and Coal, damp (FILL)	
							0.0	Tan, SILT, moist	
2								Terminated at 2.0'	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring TB-H

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Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: HMM/SRR
Drilling Contractor: NA
Sampling Method: Shovel

Test Boring TB-P

Date Started: 2/8/2016 Date Ended: 2/8/2016
Borehole Depth: 1.0' Borehole Diameter: NA
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
	NA	S1	0-1	100	NA	0.0	0.0	Dark brown, Silt, trace Brick and Metal, damp (FILL)	
1								Terminated at 1.0'	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Stratification lines represent approximate boundaries. Transitions may be gradual.
2) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
3) NA = Not Available or Not Applicable
4) Headspace PID readings may be influenced by moisture

Test Boring TB-P

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Project #:	5211S-16 (OBI)			**TEST PIT TP-A**
Project Address:	245-265, 271 Hollenbeck St, 50 Balfour Rd.,			
	Rochester, NY	Date:	2/9/2016	Page 1 of 1
DAY Representative:	SMS/JAD	Test Pit Depth:	5.0'	
Contractor:	Applus	Depth to Water:	Wet soil at 3.5'	
Equipment:	Mini-Excavator			

Depth (ft)	PID Reading (ppm)	Samples Collected	PID Headspace (ppm)	Sample Description	Notes
	NA	0-1	1.1	Dark Brown, Silt (topsoil) with trace to little Slag, Coal, Glass and Rock (FILL)	Excavated 23' long, former railroad bed not encountered
1-				Tan brown, mottled SILT, trace Clay, trace Gravel, moist	1-
2-					2-
3-	NA	NA	0.0	…Wet	3-
4-	NA	NA	0.2		4-
5-				….trace Boulder and Gravel	5-
				Terminated at 5.0'	
6-					6-
7-					7-
8-					8-
9-					9-
10-					10-
11-					11-
12-					12-

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable

TEST PIT TP-A

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Test Boring MW-1R

Project #:	5211S-16 (OBI)		
Project Address:	245-265, 271 Hollenbeck St.		
	50 Balfour Rd., Rochester		
DAY Representative:	JAD/SMS	TOC Elevation:	451.17'
Drilling Contractor:	Applus RTD USA	Date Started:	2/8/2016
Sampling Method:	2" Split Spoon, NQ Core	Borehole Depth:	28.5'
		Datum:	NAVD 88
		Date Ended:	2/19/2016
		Borehole Diameter:	10.25"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date): 7.53' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
1	7	S-1	0-1	10	NA		0.0		Asphalt 0-0.5'	
	7						0.0		Black, Asphalt, Sand, trace Ash, trace Brick, trace Coal, Cinders, Slag (FILL)	
	3						0.1			
2	6	S-2	1-3	90	14	NA	0.0		Brown/tan, SILT, trace Clay, moist	
	8						0.2			
3	8						1.2			
	6						0.0		….Brown/tan/orange	
4	7	S-3	3-5	75	15	NA	0.1			
	8						0.2			
5	8						0.0			
6									Auger Through Overburden - No Sampling	
7										
8	NA	NA	NA	NA	NA	NA	NA			
9										
10										
11										
12	NA	NA	NA	NA	NA	NA	NA		Top of Bedrock @ 11.5'	
									Auger through bedrock for rock socket	
13										
14									Bottom of rock socket @ 13.5'	
	NA	C-1	13.5-19.3	100	0	NA	NA		Gray Fine-grained Dolomitic Mudstone (Rochester Formation)	
15									….vertical fracture @ 14.5'	
16										

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-1R

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Project #:	5211S-16 (OBI)
Project Address:	245-265, 271 Hollenbeck St.
	50 Balfour Rd., Rochester
DAY Representative:	JAD/SMS
Drilling Contractor:	Applus RTD USA
Sampling Method:	2" Split Spoon/NQ Core

Test Boring MW-1R

TOC Elevation:	451.17'	Datum:	NAVD 88
Date Started:	2/8/2016	Date Ended:	2/19/2016
Borehole Depth:	28.5'	Borehole Diameter:	10.25"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date): 7.53' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
17										
18										
19									….microline vertical partial fracture	
20									….multidirectional fracture	
21										
22	NA	C-2	19.3-28.5	100	48	NA	NA			
23									….vug @ 22.8'	
24									….weathered lens @ 23.3'-23.35'	
25										
26										
27										
28										
29									Borehole terminated @ 28.5'	
30										
31										
32										

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-1R

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Project Address:	245-265, 271 Hollenbeck St.
	50 Balfour Rd., Rochester
DAY Representative:	JAD/SMS
Drilling Contractor:	Applus RTD USA
Sampling Method:	NQ Core

Test Boring MW-3R

TOC Elevation:	451.57'	Datum:	NAVD 88
Date Started:	2/5/2016	Date Ended:	2/15/2016
Borehole Depth:	28.5'	Borehole Diameter:	10.25"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date): 7.80' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
1–11	NA	NA	NA	NA	NA	NA	NA		Auger Through Overburden - No Sampling	
12–13	NA	NA	NA	NA	NA	NA	NA		Top of Bedrock @ 11.5' Auger through bedrock for rock socket	
14–16	NA	C-1	13.5-18.95	100	21	NA	NA		Bottom of rock socket @ 13.5' Gray Dolomitic Mudstone (Rochester Formation) ….fine grained ….some styolites (13.5'-14.5'), few fossils (15.5') ….diagonal fractures 16.2'-16.4'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-3R

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DAY Representative:	JAD/SMS
Drilling Contractor:	Applus RTD USA
Sampling Method:	NQ Core

Test Boring MW-3R

TOC Elevation:	451.57'	Datum:	NAVD 88
Date Started:	2/5/2016	Date Ended:	2/15/2016
Borehole Depth:	28.5'	Borehole Diameter:	10.25"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date): 7.80' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
17										
18									….vugs from 18.6' to 18.8'	
19										
20										
21	NA	C-2	18.95-27.7	99	37	NA	NA		…. diagonal fracture ….fossils 21.6' to 23'	
22										
23										
24										
25										
26										
27										
28	NA	C-3	27.7-28.5	98	98	NA	NA		….multi-directional fractures	
29									Borehole terminated @ 28.5'	
30										
31										
32										

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-3R

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Project #:	5211S-16 (OBI)
Project Address:	245-265, 271 Hollenbeck St.
	50 Balfour Rd., Rochester
DAY Representative:	JAD/SMS
Drilling Contractor:	Applus RTD USA
Sampling Method:	NQ Core

Test Boring MW-10R

TOC Elevation:	453.07'	Datum:	NAVD 88
Date Started:	2/4/2016	Date Ended:	2/15/2016
Borehole Depth:	29.0'	Borehole Diameter:	10.25"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date): 10.26' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
1									Auger Through Overburden - No Sampling	
2										
3										
4										
5										
6	NA	NA	NA	NA	NA	NA	NA			
7										
8										
9										
10										
11										
12	NA	NA	NA	NA	NA	NA	NA		Top of Bedrock @ 12.0' Auger through bedrock for rock socket	
13										
14	NA	C-1	14.0-19.0	100	72	NA	NA		Bottom of rock socket @ 14.0' Gray Fine-grained Dolomitic Mudstone (Rochester Formation) ….some vugs from 14.6'-15.5'	
15										
16										

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-10R

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Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Rd., Rochester
DAY Representative: JAD/SMS
Drilling Contractor: Applus RTD USA
Sampling Method: NQ Core

Test Boring MW-10R

TOC Elevation: 453.07' Datum: NAVD 88
Date Started: 2/4/2016 Date Ended: 2/15/2016
Borehole Depth: 29.0' Borehole Diameter: 10.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 10.26' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
17									….occasional trace tightly bound small fossils 15'-29'	
18									….microline partial vertical fracture from 17.9'-18.1'	
19										
20									….highly fractured @ 20.0' (0.1' thick)	
21										
22	NA	C-2	19.0-29.0	98	32	NA	NA		….highly fractured horizontal and vertical 22.0'-25.0'	
23										
24									….vug @ 24.3'	
25										
26										
27										
28										
29									Borehole terminated @ 29.0'	
30										
31										
32										

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-10R

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Test Boring MW-12R

Project #:	5211S-16 (OBI)		
Project Address:	245-265, 271 Hollenbeck St.		
	50 Balfour Rd., Rochester		
DAY Representative:	JAD/SMS		
Drilling Contractor:	Applus RTD USA		
Sampling Method:	NQ Core		
TOC Elevation:	452.64'	Datum:	NAVD 88
Date Started:	2/4/2016	Date Ended:	2/15/2016
Borehole Depth:	29.5'	Borehole Diameter:	10.25"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date): 9.25' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
1									Auger through overburden - No Sampling	
2										
3										
4										
5										
6	NA	NA	NA	NA	NA	NA	NA			
7										
8										
9										
10										
11										
12										
13									Top of Bedrock @ 12.5'	
14	NA	NA	NA	NA	NA	NA	NA		Auger through bedrock for rock socket	
15	NA	C-1	14.5-14.7	100	0	NA	NA		Bottom of rock socket @ 14.5'	
16	NA	C-2	14.7-19.5	96.9	9.4	NA	NA		Gray Fine-grained Dolomitic Mudstone (Rochester Formation) ….microline partial vertical fracture @ 16.0' ….highly fractured 16.1'-16.6'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-12R

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Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Rd., Rochester
DAY Representative: JAD/SMS
Drilling Contractor: Applus RTD USA
Sampling Method: NQ Core

Test Boring MW-12R

TOC Elevation: 452.64' Datum: NAVD 88
Date Started: 2/4/2016 Date Ended: 2/15/2016
Borehole Depth: 29.5' Borehole Diameter: 10.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 9.25' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
17									….occasional tightly bound small fossils throughout	
18	NA	C-2	14.7-19.5	96.9	9.4	NA	NA		….vug @ 17.5'	
19									….vug @ 19.5'	
20	NA	C-3	19.5-29.5	99	52%	NA	NA			
21									….some vertical fracturing	
22										
23										
24										
25									….0.5" weathered lens @ 25.0'	
26										
27									….some vertical fracturing	
28										
29										
30									Borehole terminated @ 29.5'	
31										
32										

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-12R

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Test Boring MW-13R

Project #:	5211S-16 (OBI)		
Project Address:	245-265, 271 Hollenbeck St.		
	50 Balfour Rd., Rochester		
DAY Representative:	JAD/SMS	TOC Elevation:	455.66'
Drilling Contractor:	Applus RTD USA	Date Started:	2/8/2016
Sampling Method:	2" Split Spoon/NQ Core	Borehole Depth:	29.5'
		Datum:	NAVD 88
		Date Ended:	2/19/2016
		Borehole Diameter:	10.25"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date): 11.72' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
1	1	S-1	0-2	70	4	0.0	0.0		Brown, Topsoil, one piece black slag, moist (FILL)	
	2						0.0			
	2						0.1			
2	3						0.2		Light Brown SILT, trace Clay, moist	
3	5	S-2	2-4	80	8	0.2	0.0		...some orange and gray mottling	
	4						0.0			
	4						0.0		...Brown, Clayey SILT	
4	2						0.1			
5	1	S-3	4-6	60	4	0.0	0.0		...wet	
	2						0.0			
	2						0.0			
6	5						0.0		...Brown/Orange/Gray mottled	
7	9	S-4	6-8	90	22	0.3	0.0		Silty SAND, some Gravel, wet	
	9						0.0		Red/Brown/Gray, Sandy SILT, some Clay, trace Gravel, wet	
	13						0.0			
8	15						0.1			
9	37	S-5	8-10	5	53	0.0	0.0			
	36									
	17						0.0			
10	30									
11	14	S-6	10-12	20	28	0.0	0.1		...Gray/Brown, some Gravel	
	16									
	12									
12	12									
13	50/5	S-7	12-13	20	NA	0.4	0.0		Dark Brown, Silty SAND, some Clay, Rock fragments, wet	
									Top of Bedrock @ 12.5'	
	50/1	S-8	13-14	0	NA	0.4	0.0		After split spoon refusal, auger through bedrock for rock socket	
14	NA	AN	NA	NA	NA	NA	NA			
15									Bottom of rock socket @ 14.5'	
									Gray fined-grained Dolomitic Mudstone (Rochester Formation)	
16	NA	C-1	14.5-19.5	98	38	NA	NA		…little vug @ 15.8'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-13R

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DAY ENVIRONMENTAL, INC.
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #:	5211S-16 (OBI)
Project Address:	245-265, 271 Hollenbeck St.
	50 Balfour Rd., Rochester
DAY Representative:	JAD/SMS
Drilling Contractor:	Applus RTD USA
Sampling Method:	2" Split Spoon/NQ Core

Test Boring MW-13R

TOC Elevation:	455.56'	Datum:	NAVD 88
Date Started:	2/8/2016	Date Ended:	2/19/2016
Borehole Depth:	29.5'	Borehole Diameter:	10.25"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date): 11.72' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
17									…multi directional fractures 16.3'-16.8'	
									…17.1'-17.4' microline partial fracture	
18										
19										
20									…close horizontal fracture and large vug @ 20.0'	
									…microline vertical fracture @ 20.3'-20.6'	
21										
22									…large vug and close fracture 21.6'-22.2'	
23	NA	C-2	19.5-29.5	100	56	NA	NA		…occasional tightly bound small fossils from 21.1'-29.3'	
24										
25										
26										
27										
28										
29										
30									Borehole terminated @ 29.5'	
31										
32										

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-13R

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Project #:	5211S-16 (OBI)
Project Address:	245-265, 271 Hollenbeck St.
	50 Balfour Rd., Rochester
DAY Representative:	SMS/HMM
Drilling Contractor:	Applus RTD USA
Sampling Method:	NQ Core

Test Boring MW-19R

TOC Elevation:	451.44'	Datum:	NAVD 88
Date Started:	2/5/2016	Date Ended:	2/18/2016
Borehole Depth:	28.5'	Borehole Diameter:	10.25"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date): 7.01' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
1–11	NA	NA	NA	NA	NA	NA	NA		Auger Through Overburden - No Sampling	
12–13	NA	NA	NA	NA	NA	NA	NA		Top of Bedrock @ 11.5' Auger through bedrock for rock socket	
14–16	NA	C-1	13.5-19.25	100	33.9	NA	NA		Bottom of rock socket @ 13.5' Gray Fine-grained Dolomitic Mudstone (Rochester Formation) …highly fractured 14.1'-14.3' …weathered @ 15.7'-15.8' …diagonal fracture	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-19R

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Project #:	5211S-16 (OBI)
Project Address:	245-265, 271 Hollenbeck St.
	50 Balfour Rd., Rochester
DAY Representative:	HMM/SMS
Drilling Contractor:	Applus RTD USA
Sampling Method:	NQ Core

Test Boring MW-19R

TOC Elevation:	451.44'	Datum:	NAVD 88
Date Started:	2/5/2016	Date Ended:	2/18/2016
Borehole Depth:	28.5'	Borehole Diameter:	10.25"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date): 7.01' below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Fractures	Sample Description	Notes
17									…microline partial diagonal fracture	
18										
19										
20	NA	C-2	19.25-28.5	99	47.6	NA	NA		…multi-directional highly fractured …vugs from 20.1'-2036'	
21									…highly fractured	
22										
23										
24									…occasional small tightly bound fossils from 24.0'-28.5'	
25										
26										
27										
28										
29									Borehole terminated @ 28.5'	
30										
31										
32										

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-19R

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Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Rd., Rochester
DAY Representative: JAD/SMS
Drilling Contractor: Applus RTD USA
Sampling Method: 2" Split Spoon

Test Boring MW-19

TOC Elevation: 451.62' Datum: NAVD 88
Date Started: 2/9/2016 Date Ended: 2/17/2016
Borehole Depth: 11.0' Borehole Diameter: 8"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 7.30" below TOC (5-23-2016)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	2 7	S-1	0-1	10	NA	0.2	0.0	Asphalt, Crushed Stone - Sub-base Gray/Brown, Sand/Silt, some Coal, moist (FILL)	
2	6 4	S-2	1.5-3	30	NA	0.7	0.1 0.2	...some Gravel, damp (FILL)	
3	3								
4	2 2	S-3	3-5	50	4	1.1	0.1 0.1	Tan, SILT, little Sand, trace Gravel, trace Clay, moist	
5	2 3						0.2		
6	3 6	S-4	5-7	0	12	NA	NA	No Recovery, No Sample 5' - 7'	
7	6 7								
8	6 6	S-5	7-9	60	9	1.2	0.2 0.1	Gray/Brown, SAND, little Silt, wet	
9	3 4						0.1	...trace Clay	
10	11 26	S-6	9-10.3	50	NA	0.6	0.1 0.1	...Dark Gray, little Gravel	
11	50/3						0.2	Gray/Black, weathered SHALE, wet Augured from 10.3' to 11.0'. No samples collected.	
12								Borehole terminated at 11.0'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-19

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-AA

Ground Elevation: NA
Datum: NA
Date Started: 4/1/2016
Date Ended: 4/1/2016
Borehole Depth: 11.6'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Concrete	
								Brown/Black, coarse Sand, some Gravel, trace Coal, trace Brick, damp (FILL)	
2	NA	S-1	0-4	75	NA	0.0	0.1	...dark brown	
3							0.1	...light brown	
4							0.0	...black	
5							0.0	Brown, SILT, some Sand, trace Clay, wet	
6	NA	S-2	4-8	100	NA	0.7	0.0		
7							0.0	...Gray/Brown	
8							0.2		
9							0.4	...Gray	
10	NA	S-3	8-11.6	100	NA	1.2	7.5		
11							7.2	Gray, fine to coarse SAND, little Gravel, fractured Rock, wet	
12								Refusal @ 11.6'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-AA

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-BB

Ground Elevation: NA
Datum: NA
Date Started: 4/1/2016
Date Ended: 4/1/2016
Borehole Depth: 12.6'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	Concrete	
1							0.0	Brown/Black/Orange, fine to coarse Sand, little Gravel with intermixed Coal, Asphalt, Brick, Glass, damp (FILL)	
2	NA	S-1	0-4	60	NA	1.7	0.0		
3							0.0	...Brown, trace Silt	
4							0.9		
5							0.6	Brown, Sandy SILT, moist	
6	NA	S-2	4-8	100	NA	6.4	0.5		
7							1.1	...Gray/Brown	
8							7.6		
9							2.9		
10	NA	S-3	8-12	100	NA	12.3		...little Clay, wet	
11							6.6	Gray, SAND and GRAVEL, little fractured Rock, wet	Solvent-type Odor
12							2.7		
	NA	S-4	12-12.6	NA	NA	NA	7.3		
13								Refusal @ 12.6'	
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-BB

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-CC

Ground Elevation: NA
Datum: NA
Date Started: 4/1/2016
Date Ended: 4/1/2016
Borehole Depth: 11.4'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Concrete	
							0.0	Brown/Black, fine to coarse Sand, trace Gravel with intermixed Coal and Brick, damp (FILL)	
2	NA	S-1	0-4	63	NA	0.2	0.0	Brown, Sandy SILT, trace Gravel, moist	
3							0.0		
4							0.0		
5							0.0		
6	NA	S-2	4-8	100	NA	0.4	0.0	...Gray/brown, moist	
7							0.1		
8							1.0		
9							0.9		
10	NA	S-3	8-11.4	97	NA	9.5	2.1		
11							0.9	Brown, fine to coarse SAND, some Silt, wet	
12								Refusal @ 11.4'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-CC

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-DD

Ground Elevation: NA
Datum: NA
Date Started: 4/1/2016
Date Ended: 4/1/2016
Borehole Depth: 11.1'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Concrete	
2	NA	S-1	0-4	63	NA	0.0	0.0	Brown/Black, fine to coarse Sand, some Gravel, trace Glass, Coal, damp (FILL)	
3							0.0	...brown	
4							0.0	...dark brown	
5							0.0		
6	NA	S-2	4-8	100	NA	0.8	0.0	Brown, SILT, some fine Sand, moist	
7							0.0	...wet	
8							0.0	...brown/gray/orange	
9	NA	S-3	8-11.1	100	NA		0.0		
10							0.0	...trace Clay	
11							0.0	Gray/Brown, Silty SAND, little Clay, trace Gravel, Rock fragments, wet	
12								Refusal @ 11.1'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-DD

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-EE

Ground Elevation: NA
Datum: NA
Date Started: 4/4/2016
Date Ended: 4/4/2016
Borehole Depth: 8.5'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-2	50	NA			Concrete Brown, fine Sand, some Gravel, trace Coal, trace Brick, damp (FILL)	
2									
3	NA	S-2	2-4	100	NA			...fine to coarse Sand Light Brown, fine SAND, some Silt, trace Gravel, moist	
4								...wet	
5	NA	S-3	4-6	100	NA				
6								Brown/Gray, SILT, some fine Sand, wet	
7	NA	S-4	6-8	NA	NA	NA			
8	NA	S-5	8-8.5	NA	NA	NA	NA		
9								Refusal @ 8.5'	
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) Suspected equipment malfunction, PID readings are not valid and not presented.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-EE

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Test Boring TB-A

Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Ground Elevation: NA
Datum: NA
Date Started: 4/4/2016
Date Ended: 4/4/2016
Borehole Depth: 11.6'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
2	NA	S-1	0-4	80	NA			Black/Brown, fine to coarse Sand, little Gravel, trace Brick, trace Coal, damp (FILL)	
3								...gray/brown/green	
4									
5								Red/Brown, Silty Sand, trace Gravel, moist	
6	NA	S-2	4-8	95	NA			...trace Clay	
7								...little Gravel	
8								...Gray/brown	
9									
10	NA	S-3	8-11.6	58	NA				
11								Brown/Red, medium to coarse SAND, little Silt, some Gravel, fractured Rock, wet	
12								...brown	
13								Refusal @ 11.6'	
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) Suspected equipment malfunction, PID readings are not valid and not presented.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-A

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-B

Ground Elevation: 452.04 Datum: NAVD 88
Date Started: 4/4/2016 Date Ended: 4/5/2016
Borehole Depth: 11.7' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 7.91 below TOC (5/23/16)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
2	NA	S-1	0-4	85	NA			Brown/Black, fine to coarse Sand, little Gravel, trace Coal, trace Brick, damp (FILL)	
3								...Brown/Orange, fine Sand, trace Gravel	
4									
5	NA	S-2	4-8	68	NA			Brown, Silty SAND, trace Gravel, moist	
6									
7								...Gray/brown/red, wet	
8									
9	NA	S-3	8-11.7	62	NA	NA		Brown/Gray/Red, fine to coarse SAND, little Gravel, fractured Rock, wet	
10									
11									
12								Refusal @ 11.7'	
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) Suspected equipment malfunction, PID readings are not valid and not presented.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-B

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Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-C

Ground Elevation: NA
Datum: NA
Date Started: 4/4/2016
Date Ended: 4/4/2016
Borehole Depth: 11.3'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
2	NA	S-1	0-4	85	NA			Brown, fine to coarse Sand, little Gravel, trace Coal, trace Brick, damp (FILL) ...black	
3								Brown, fine Sand, trace Gravel, damp (FILL)	
4									
5	NA	S-2	4-8	95	NA			Brown, fine to coarse SAND, little Silt, trace Gravel, Brick, moist ...gray, wet	
6									
7									
8									
9	NA	S-3	8-11.3	NA	NA	NA		...red/gray, some fractured Rock	
10									
11									
12								Refusal @ 11.3'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) Suspected equipment malfundtion, PID readings are not valid and not presented.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-C

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-D

Ground Elevation: 452.06 Datum: NAVD 88
Date Started: 4/4/2016 Date Ended: 4/4/2016
Borehole Depth: 12.2' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 7.93' below TOC (5-23-16)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
2	NA	S-1	0-4	95	NA			Brown/Black, fine to coarse Sand, little Gravel, trace Brick, trace Coal, damp (FILL)	
3								Brown/Black, coarse to fine Sand, Gravel, trace Brick, Coal, damp (FILL)	
4								...brown, trace Gravel	
5	NA	S-2	4-8	100	NA			Brown/Black, fine SAND, some Silt, trace Gravel, moist	
6								...fine to coarse SAND	
7								Brown/Gray, CLAY and SILT, trace Gravel, wet	
8									
9	NA	S-3	8-12.2	48	NA				
10								Brown/Gray, medium to coarse SAND, little Gravel, fractured Rock, wet	
11									
12								Refusal @ 12.2'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) Suspected equipment malfundtion, PID readings are not valid and not presented.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-D

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Test Boring TB-E

Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Ground Elevation: NA
Datum: NA
Date Started: 4/4/2016
Date Ended: 4/4/2016
Borehole Depth: 10.4'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
2	NA	S-1	0-4	75	NA			Brown, fine to coarse Sand, little Gravel, trace Brick, little Coal, damp (FILL)	
3								Light Brown, fine SAND, some Silt, trace Gravel, moist	
4									
5									
6	NA	S-2	4-8	100	NA			...Black	
7								Brown/Gray, Silty CLAY, little fine Sand, trace Gravel, wet	
8								Red/gray, Sandy SILT, trace Gravel, wet	
9	NA	S-3	8-10.4	NA	NA				
10								Brown/Gray, fine to coarse SAND, little Gravel, fractured Rock, wet	
11								Refusal @ 10.4'	
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) Suspected equipment malfundtion, PID readings are not valid and not presented.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-E

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Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-F

Ground Elevation: NA
Datum: NA
Date Started: 4/4/2016
Date Ended: 4/4/2016
Borehole Depth: 9.5'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
2	NA	S-1	0-4	68	NA			Brown, fine Sand, some Silt, trace Gravel intermixed with Slag, Coal, damp (FILL) ...dark Brown/Black	
3								Tan, fine Sand, some Silt, trace Clay, moist	
4									
5	NA	S-2	4-8	100	NA			...wet	
6									
7								Gray/Brown, Sandy SILT, trace Gravel, trace Clay, wet	
8									
9	NA	S-3	8-9.5	100	NA			...Brown/Black, little Gravel, fractured Rock	
10								Refusal @ 9.5'	
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) Suspected equipment malfundtion, PID readings are not valid and not presented.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-F

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Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-G

Ground Elevation: 451.79 Datum: NAVD 88
Date Started: 3/31/2016 Date Ended: 4/4/2016
Borehole Depth: 15.1' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 8.08' below TOC (5/23/16)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Concrete	
2	NA	S-1	0-4	68	NA	0.0	15.4	Brown, fine Sand, trace Gravel, trace Coal, damp (FILL)	
3						3.5	25.4		
4							0.0	Black, coarse Sand, little Gravel, Rock, Asphalt, damp (FILL)	
5							96.7	Brown/Gray, SAND, little Clay, little Silt, trace Gravel, moist	
6	NA	S-2	4-8	63	NA	31.3	58.2		
7						22.3	126		
8							0.0	...Black/Gray	
9							0.0	Gray/Black, fine to coarse SAND, little Gravel, little Silt, wet	
10	NA	S-3	8-12	70	NA	NA	0.0		
11							0.0		
12									
13									
14	NA	S-4	12-15.1	NA	NA	NA	NA		
15								...fractured Rock	
16								Refusal @ 15.1'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-G

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Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-H

Ground Elevation: 450.72 Datum: NAVD 88
Date Started: 3/29/2016 Date Ended: 3/29/2016
Borehole Depth: 12.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 7.11' from TOC (5/23/16)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Topsoil/Organics	
								Dark Brown, fine SAND, some Gravel, damp	
2	NA	S-1	0-4	93	NA		0.0		
3							0.0	Brown, SILT, fine Sand, damp	
4						0.0	0.0	...moist	
5							0.0	...some Clay, wet	
6	NA	S-2	4-8	90	NA		0.0		
7						1.0	0.0	...Gray/Brown	
8							0.0		
9							0.0		
10	NA	S-3	8-12	95	NA		14.2	Gray/Brown, medium to coarse SAND, little Gravel, trace Clay, wet	
11							0.0	...fractured Rock	
12						0.0	0.0		
13								Refusal @ 12.0'	
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-H

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DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-H-1

Ground Elevation: NA
Datum: NA
Date Started: 4/6/2016
Date Ended: 4/6/2016
Borehole Depth: 11.2'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2	NA	S-1	0-4	80	NA	0.0	0.0		
3							0.0		
4							0.0	Refer to the test boring log for TB-H for a description of the subsurface materials encountered	
5							0.0		
6	NA	S-2	4-8	50	NA		0.4		
7						1.0	0.5		
8									
9	NA	S-3	8-11.2	100	NA	3.2	0.0		
10							0.2		
11							11.6		
12								Refusal @ 11.2'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-H-1

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Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-I

Ground Elevation: NA
Datum: NA
Date Started: 3/29/2016
Date Ended: 3/29/2016
Borehole Depth: 11.7
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Stone (FILL)	
2	NA	S-1	0-4	2.5	NA			Dark Brown, Sand, Gravel, Coal, Slag, damp (FILL)	
3							0.0	Brown, SILT, little fine Sand, trace Gravel, damp	
4						0.0	0.0		
5							0.0		
6	NA	S-2	4-8	2.6	NA		0.0	...wet	
7							0.0		
8						0.0	0.0		
9							0.0		
10	NA	S-3	8-11.7	4.2	NA		0.0	Gray/Brown, Sandy SILT, little Clay, wet	
11							0.0	...fractured Rock	
12						0.0		Refusal @ 11.7'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-I

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Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-I-1

Ground Elevation: NA
Datum: NA
Date Started: 4/6/2016
Date Ended: 4/6/2016
Borehole Depth: 11.6'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Refer to the test boring log for TB-I for a description of the subsurface materials encountered	
2	NA	S-1	0-4	53	NA	2.0			
3						2.0	0.1		
4							0.2		
5							0.0		
6	NA	S-2	4-8	90	NA	2.7	0.0		
7							0.1		
8							0.2		
9							0.0		
10	NA	S-3	8-11.6	83	NA	0.4	0.1		
11							0.0		
12							0.0	Refusal @ 11.6'	
13									
14									
15									
16									

Notes:
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2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-I-1

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Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-J

Ground Elevation: NA
Datum: NA
Date Started: 3/31/2016
Date Ended: 3/31/2016
Borehole Depth: 7.6'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
							0.0	Brown, fine Sand, Gravel, trace Silt, damp (FILL)	
2	NA	S-1	0-4	50	NA				
							0.0	Brown, SILT, little Clay, trace Gravel, moist	
3						0.0	0.0		
4							0.0	...Some Sand, trace Clay	
5							0.0		
6	NA	S-2	4-7.6	69	NA		0.0		
7						0.0	0.0	...gray/brown, fractured Rock	
8								Refusal @ 7.6'	
9									
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-J

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DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-K

Ground Elevation: NA
Datum: NA
Date Started: 3/31/2016
Date Ended: 3/31/2016
Borehole Depth: 12.2'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
								Black/Brown, fine to coarse Sand, some Gravel, Coal, damp (FILL)	
							0.0	Brown, SILT, little Clay, little Sand, damp	
2	NA	S-1	0-4	75	NA		0.0		
3						0.0	0.0		
4							0.0	Tan, Sandy SILT, trace Clay, moist	
5							0.0		
6	NA	S-2	4-8	93	NA		0.0	...Gray/brown	
7						16.2	2.3		
8							0.0		
9							1.0		
10	NA	S-3	8-12	90	NA			Gray, fine Sand, some Silt, trace Clay, moist	
							0.4		
11						35.1	89.0	Gray/Black, fine to medium SAND, little Gravel, wet	
							92.2		
12							4.0		
	NA	S-4	12-12.2	100	NA	0.0	0.0	...fractured Rock	
13								Refusal @ 12.2'	
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-K

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-L

Ground Elevation: NA
Datum: NAVD88
Date Started: 4/4/2016
Date Ended: 4/4/2016
Borehole Depth: 10.5'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
2	NA	S-1	0-4	90	NA			Black/Dark Brown, fine Sand, Gravel, Brick, Coal, damp (FILL)	
3								...gray	
4									
5								Gray/Brown, Silty SAND, little Clay, trace Gravel, wet	
6	NA	S-2	4-8	100	NA				
7									
8									
9	NA	S-3	8-10.5	100	NA			...little Gravel, trace Clay	
10								...fractured Rock	
11								Refusal @ 10.5'	
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) Suspected equipment malfunction. PID readings are not valid and not presented.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-L

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-M

Ground Elevation: 451.02 Datum: NAVD 88
Date Started: 3/29/2016 Date Ended: 3/29/2016
Borehole Depth: 12.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 7.51' from TOC (5/23/16)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Stone (FILL)	
2	NA	S-1	0-4	38	NA		0.0	Brown to Black, medium to coarse Sand, trace Gravel, Asphalt, Slag, Coal, damp (FILL)	
3						0.0	0.0	...Black, coarse Sand, little Gravel	
4							0.0		
5	NA	S-2	4-8	85	NA		0.0	Brown/Orange, Sandy SILT, moist	
6							0.0	...Gray/Brown, wet	
7						0.0	0.0		
8							0.0		
9	NA	S-3	8-12	100	NA		0.0		
10							0.0	Gray/Brown, medium to coarse SAND, little Gravel, trace Silt, fractured Rock, wet	
11						0.0	0.0		
12								Augered from 12.0' to 12.5'. No samples collected.	**unknown odor @ 11.5'**
13								Borehole terminated at 12.5'	
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-M

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-M-1

Ground Elevation: NA
Datum: NA
Date Started: 4/6/2016
Date Ended: 4/6/2016
Borehole Depth: 11.7'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2	NA	S-1	0-4	49	NA		0.4		
3						55	0.3		
4									
5							0.6	Refer to the test boring log for TB-M for a description of the subsurface materials encountered	
6	NA	S-2	4-8	80	NA	13.2	3.9		
7							2.4		
8									
9							5.3		
10	NA	S-3	8-11.7	62	NA	7.8	7.0		
11							3.8		
12								Refusal @ 11.7'	
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-M-1

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-N

Ground Elevation: NA
Datum: NA
Date Started: 3/28/2016
Date Ended: 3/28/2016
Borehole Depth: 11.7
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Stone (FILL) Dark Brown, Sand, Gravel, Coal, Brick, Slag, damp (FILL)	
2	NA	S-1	0-4	2.4	NA		0.0	...Black/Brown	
3							0.0		
4						0.0	0.0	...Black Staining	
5							0.0	Brown/Gray, Sandy SILT, trace Gravel, trace Clay, moist	
6	NA	S-2	4-8	3.5	NA		0.0		
7							0.0	...gray, wet	
8						0.0			
9									
10	NA	S-3	8-11.7	3.2	NA		3	Gray, GRAVEL, little Sand, fractured Rock, wet	
11						78.6	39.1 54.2		
12								Refusal @ 11.7'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-N

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Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-N-1

Ground Elevation: NA
Datum: NA
Date Started: 4/6/2016
Date Ended: 4/6/2016
Borehole Depth: 8.5'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2	NA	S-1	0-4	50	NA	1.1	0.2		
3							0.8		
4							0.5		
5							0.1	Refer to the test boring log for TB-N for a description of the subsurface materials encountered	
6	NA	S-2	4-8	85	NA	11.7	0.6		
7							1.2		
8							3.0		
	NA	S-3	8-8.5	60	NA	NA	3.6		
9								Refusal @ 8.5'	
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-N-1

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Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-O

Ground Elevation: NA
Datum: NAVD 88
Date Started: 3/28/2016
Date Ended: 3/28/2016
Borehole Depth: 11.8'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Stone/Organics (FILL)	
								Brown/Red, Sandy Silt, some Gravel, damp (FILL)	
								...Asphalt pieces	
2	NA	S-1	0-4	3.2	NA		0.0	Dark Brown, Silty Sand, trace Gravel, damp	
3							0.0		
4							0.0	...Light Brown, SILT	
5							0.0		
6	NA	S-2	4-8	3.3	NA		0.0		
7							0.0	...Gray/Brown, SILT, some Clay, wet	
8							0.0		
9								...trace Silt	
10	NA	S-3	8-11.8	3.6	NA		0.2	Gray, medium to coarse SAND, little Gravel, wet	
11							0.3		
12							0.6		
13								Refusal @ 11.8'	
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-O

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-O-1

Ground Elevation: NA
Datum: NA
Date Started: 4/6/2016
Date Ended: 4/6/2016
Borehole Depth: 11.8'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2	NA	S-1	0-4	55	NA	.5	0.0		
3							1.0		
4							0.0		
5							0.0		
6	NA	S-2	4-8	80	NA	0.8	0.0	Refer to the test boring log for TB-O for a description of the subsurface materials encountered	
7							0.0		
8							0.1		
9							0.0		
10	NA	S-3	8-11.8	66	NA	1.1	0.2		
11							0.4		
12							0.6		
13								Refusal @ 11.8'	
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-O-1

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Test Boring TB-P

Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Ground Elevation: 452.33 Datum: NAVD 88
Date Started: 3/30/2016 Date Ended: 3/30/2016
Borehole Depth: 12.0' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 10.79' below TOC (5/23/16)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	Organics/Topsoil	
1							0.0	Brown, reworked Sandy Silt, trace Gravel, intermixed with Coal, damp (FILL)	
2	NA	S-1	0-4	65	NA		0.0	...intermixed Stone	
3						0.0	0.0		
4							0.0	...Light Brown, trace Clay, wet	
5							0.0		
6	NA	S-2	4-8	83	NA		0.0		
7						0.0	0.0		
8							0.0	Brown, Clayey SILT, wet	
9							0.1		
10	NA	S-3	8-12	90	NA		0.3	Gray/Brown, Silty SAND, little Gravel, wet	
11						9.8			
12						20.4	31.7	...Brown/Black	unknown odor
13								Augered from 12.0' to 13.8'. No samples collected	
14								Borehole terminated at 13.8'	
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-P

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Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-P-1

Ground Elevation: NA
Datum: NA
Date Started: 4/6/2016
Date Ended: 4/6/2016
Borehole Depth: 11.8'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	78	NA	0.4	0.0	Refer to the test boring log for TB-P for a description of the subsurface materials encountered	
2							0.1		
3							0.2		
4							0.0		
5	NA	S-2	4-8	93	NA	6.2	0.2		
6							0.2		
7							0.6		
8							0.4		
9	NA	S-3	8-11.8	95	NA	4.1	0.2		
10							0.2		
11							0.4		
12							0.3	Refusal @ 11.8'	
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-P-1

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-Q

Ground Elevation: 452.15 Datum: NAVD 88
Date Started: 4/1/2016 Date Ended: 4/1/2016
Borehole Depth: 12.1' Borehole Diameter: 2 1/4"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 8.53' below TOC (5/23/16)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Concrete	
								Brown/Black, Sand, Gravel, damp (FILL)	
2	NA	S-1	0-4	65	NA		0.2		
3							2.2		
								Brown, Sandy SILT, moist	
4						0.7	1.4		
5							0.1		
							0.0		
6	NA	S-2	4-8	90	NA				
7							0.0		
						0.0	0.0	...gray, little Clay	
8									
							2.8	...trace Gravel	
9							2.2		
10	NA	S-3	8-12.1	98	NA			Gray/Brown, SILT, some Sand, trace Clay, wet	
						0.3	31.8		
11							29.1	...fractured Rock	
12								Refusal @ 12.1'	
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-Q

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Test Boring TB-R

Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Ground Elevation: NA
Datum: NA
Date Started: 3/28/2016
Date Ended: 3/28/2016
Borehole Depth: 11.0
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	3.0	NA	0.0	0.0	Topsoil/Organics	
							0.0	Brown, reworked Sandy Silt, little Gravel, trace Slag, damp (FILL)	
2							0.0	...dark brown	
3							0.0	...Tan, Silt, some Sand	
4							0.1	...trace Clay	
5	NA	S-2	4-8	3.1	NA		0.0	Dark Brown, SILT, little Clay, moist	
6							0.3		
7							0.9	...Gray/Brown Clay, wet	
8							1.1		
9	NA	S-3	8-11	2.4	NA	49.1	81.0		Oil Sheen, Petroleum Odor
							51.2	Gray, SAND, little to medium Gravel, fractured Rock, wet	
10							34.0		
11								Refusal @ 11.0'	
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-R

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Test Boring TB-R-1

Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Ground Elevation: NA
Datum: NA
Date Started: 4/6/2016
Date Ended: 4/6/2016
Borehole Depth: 10.9'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.4	Refer to the test boring log for TB-R for a description of the subsurface materials encountered	
2	NA	S-1	0-4	60	NA				
3						1.5	0.6		
4							0.0		
5							0.0		
6	NA	S-2	4-8	53	NA	0.2	1.0		
7							0.4		
8							2.0		
9	NA	S-3	8-10.9	90	NA	3.2	7.2		
10							2.8		
							3.1		
11								Refusal @ 10.9'	
12									
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-R-1

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-S

Ground Elevation: NA
Datum: NA
Date Started: 4/1/2016
Date Ended: 4/1/2016
Borehole Depth: 11.6'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
2	NA	S-1	0-4	50	NA	0.0	0.2	Brown/Black, reworked Silty Sand, trace Gravel with Coal, Asphalt, damp (FILL)	
3							0.0	Brown, fine SAND, some Silt, trace Gravel, damp	
4							0.0		
5							0.2		
6	NA	S-2	4-8	95	NA		0.3	...trace Clay	
7							211		Solvent-type Odor
8						45.4		...Gray/Brown, wet	
9						29.0	77.8		
10	NA	S-3	8-11.6	100	NA	100	24.6	...Black/Brown, fine to coarse Sand, little Silt	
11							13.5	Gray, fine to coarse SAND, little Gravel, wet	
12							72.0	Refusal @ 11.6'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-S

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Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-T

Ground Elevation: NA
Datum: NA
Date Started: 3/31/2016
Date Ended: 3/31/2016
Borehole Depth: 12.6'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
								Brown/Black, Sand, some Gravel, trace Slag, damp (FILL)	
							22.5	Brown, Sandy Silt, trace Gravel	
2	NA	S-1	0-4	68	NA				
								...black, trace Clay	Unknown Odor
3						7.1	9.2		
4									
							1.5	Orange/Black, SILT, trace Gravel, Clay, damp	
5							17.6		
6	NA	S-2	4-8	95	NA				
							17.8	...Brown, wet	
7						9.6	15.8		
8							15.6		
							21.7	...Clayey SILT	
9							20.1		
10	NA	S-3	8-12	88	NA	23.7			
							151	Gray, Silty SAND, little fractured Rock, wet	
11						25.1	33.1		
12	NA	S-4	12-12.6	100	NA	1.5	33.1		
13								Refusal @ 12.6'	
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-T

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Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
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DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-U

Ground Elevation: NA
Datum: NA
Date Started: 3/31/2016
Date Ended: 3/31/2016
Borehole Depth: 9.2'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
							0.0	Concrete	
1							0.0	Brown, Sandy Silt, trace Coal, damp (FILL)	
2	NA	S-1	0-4	95	NA		0.0		
3							0.0	...moist	
								Brown, SILT, little Sand, trace Travel, moist	
4						0.2	0.0		
5							0.0		
							6.7		
6	NA	S-2	4-8	90	NA				
7							49.8		
							53.2		
8						67.1			
	NA	S-3	8-9.2	100	NA		35.3	...dark gray, fractured Rock, wet	
9						22.7	52.1		
								Refusal @ 9.2'	
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-U

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Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-V

Page 1 of 1

Ground Elevation: NA
Datum: NA
Date Started: 3/31/2016
Date Ended: 3/31/2016
Borehole Depth: 12.5'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Concrete	
								Black/Brown, Sand, Gravel, Silt, trace Coal, damp (FILL)	
2	NA	S-1	0-4	85	NA	0.0	0.0		
3							0.0		
								Tan, Sandy SILT, trace Gravel, trace Clay, damp	
4							0.0		
5							0.0		
								...moist	
6	NA	S-2	4-8	100	NA		0.0		
								...little Clay, wet	
7						0.0	0.0		
								...Gray/Brown	
8						0.0			
9							1.7		
							0.0		
10	NA	S-3	8-12	80	NA			...Gray	
							18.0		
11						0.0	2.8		
12	NA	S-4	12-12.5	100	NA	0.0	0.0	Brown, fine to medium SAND, little Silt, fractured Rock	
13								Refusal @ 12.5'	
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-V

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Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
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DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-W

Ground Elevation: NA
Datum: NA
Date Started: 4/6/2016
Date Ended: 4/6/2016
Borehole Depth: 11.5'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	2.2	NA		0.0	Stone / Dark Brown, Sand, Silt, Gravel, Cinders, Ash, damp (FILL)	
2							0.0	Brown, SAND, little Silt, trace Gravel, damp	
3							0.0	...Light Brown	
4									
5	NA	S-2	4-8	3.6	NA		0.0		
6							0.0	...trace Clay, moist	
7							0.0	...Gray/Brown	
8									
9	NA	S-3	8-11.5	2.7	NA		0.0		
10							0.0	Gray, coarse SAND and GRAVEL, little Silt, wet / ...fractured Rock	
11							0.0		
12								Refusal @ 11.5'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-W

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-W-1

Ground Elevation: NA
Datum: NA
Date Started: 4/6/2016
Date Ended: 4/6/2016
Borehole Depth: 11.5'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.2	Refer to the test boring log for TB-W for a description of the subsurface materials encountered	
2	NA	S-1	0-4	65	NA	1.7	0.1		
3									
4									
5							29.0		
6	NA	S-2	4-8	93	NA		18.5		
7						2.5	18.0		
8							0.4		
9							0.2		
10	NA	S-3	8-11.5	69	NA		10.0		
11						5.0	4.0		
12								Refusal @ 11.5'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-W-1

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Project #: 5211S-16
Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-X

Ground Elevation: NA
Datum: NA
Date Started: 3/29/2016
Date Ended: 3/29/2016
Borehole Depth: 0.8'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
	NA	S-1	0-0.8	100	NA	0.0	0.0	Stone over Dark Brown/Black, coarse Sand, fine to medium Gravel, Coal, damp (FILL)	
1								Terminated @ 0.8'	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-X

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Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-Y

Ground Elevation: NA
Datum: NA
Date Started: 3/29/2016
Date Ended: 3/29/2016
Borehole Depth: 0.8'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
	NA	S-1	0-0.8	100	NA	0.0	0.0	Stone over Dark Brown/Black, coarse Sand, fine to medium Gravel , Coal, Brick, damp (FILL)	
1								Terminated @ 0.8'	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-Y

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Project Address: 50 Balfour Dr, 245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-Z

Ground Elevation: NA
Datum: NA
Date Started: 3/29/2016
Date Ended: 3/29/2016
Borehole Depth: 0.7'
Borehole Diameter: 2 1/4"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Not Encountered

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
	NA	S-1	0-0.7	100	NA	0.0	0.0	Stone over Dark Brown/Black, coarse Sand, fine to medium Gravel, Ceramics, Coal, damp (FILL)	
1								Terminated @ 0.7'	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-Z

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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: S. Reese
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-FF

TOC Elevation: 451.48' Datum: NAVD 88
Date Started: 4/5/2017 Date Ended: 4/5/2017
Borehole Depth: 12.8' Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 5.63' below TOC (4-10-2017)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.3	Concrete	
								Black Gravel (FILL)	
							0.2	Brown, Clayey SILT, dry	
2	NA	S-1	-	55	-	0.3			
							0.3		
3								…increasing Clay content	
							0.7		
4								…Dark Brown	
							0.1		
5							0.2	Light Brown, SILT, dry	
6	NA	S-2	-	90	-	0.3			
							0.2	...moist	
7							0.6	...wet	
8							0.2	Light Brown, SILT, some Clay, moist	
9							0.7	…Brown, wet	
10	NA	S-3	10-12	85	-	1.4			
							0.3	…0.25 ft. seam, Black, crushed GRAVEL and SAND, wet	
11							7.3	Brown, Clayey SILT, some Sand, wet	
12								Gray, fractured Bedrock	
							0.2		
13								Refusal @ 12.8'	
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-FF

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Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: S. Reese
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-GG

Date Started: 4/5/2017 Date Ended: 4/5/2017
Borehole Depth: 12.5' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							1.3	Concrete	
								Tan, Sand and Gravel, damp (FILL)	
							0.5	2" Dark Brown, Sand and Gravel, some Cinders (FILL)	
2	NA	S-1	-	50	-	0.3			
							0.5	Brown, Silty CLAY, some Gravel	
3							0.3		
4							0.0	Brown, SILT, some Clay and Sand, damp	
5							0.2	...trace Sand	
6	NA	S-2	-	75	-	0.3			
							0.0	...Light Brown, moist to wet	
7							0.0		
8							0.0	...Some Clay, some Gravel, damp	
9							0.0	…Wet	
10	NA	S-3	10-12.5	75	-	0.4			
							0.1	…Some silt	
11							0.1	Black, GRAVEL, some Silt, wet	
12	NA	54		100	-	2.7			
13								Refusal @ 12.5'	
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-GG

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Test Boring TB-HH-1

Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: S. Reese
Drilling Contractor: TREC
Sampling Method: Direct Push

Date Started: 4/5/2017
Date Ended: 4/5/2017
Borehole Depth: 2'
Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ■ Backfilled with Grout ☒ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	-	-	-	-	-	-	Concrete	
2								Terminated @ 2'	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-HH-1

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Test Boring TB-HH-2

Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: S. Reese
Drilling Contractor: TREC
Sampling Method: Direct Push

Date Started: 4/5/2017
Date Ended: 4/5/2017
Borehole Depth: 2'
Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ■ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	-	-	0	-	-	-	Concrete	Advanced through soft material; however, no recovery from liner
2								Refusal on inferred concrete @ 2'	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-HH-2

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Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: S. Reese
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-HH-3

Date Started: 4/5/2017 Date Ended: 4/5/2017
Borehole Depth: 7.6' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
2	NA	S-1	-	20	-	0.7	1.3	Black, Gravel, dry (FILL)	
3									
4							0.1		
5							0.1	Brown, Clayey SILT, dry	
6	NA	S-2	-	70	-	0.5	0.1	...wet	
7							0.4		
8								Refusal @ 7.6'	
9									
10									
11									
12									
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-HH-3

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Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: H. McLennan, S. Reese
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-HH

Date Started: 4/5/2017 Date Ended: 4/5/2017
Borehole Depth: 12.6' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
2	NA	S-1	-	40	-	0.2			
3							0.4	Brown, Silty CLAY, dry	
4							1.3	Brown, SILT, some Clay and Sand, damp	
5							0.8		
6	NA	S-2	-	70	-	0.2	2.0	...color changing to gray/brown, increasing Sand content	
7							1.1		
8							0.1		
9							0.2	Tan/Brown, Silty CLAY, trace Sand, moist	
10	NA	S-3	-	70	-	1.0	0.1	...moisture content increasing	
11			11.5-12.5				1.6	Black, fractured Bedrock, wet	
12								…Gray	
							5.1	Gray, fractured Bedrock, wet	
13								Refusal @ 12.6'	
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-HH

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Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: H. McLennan, S. Reese
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-JJ

Date Started: 4/5/2017 Date Ended: 4/5/2017
Borehole Depth: 11.7' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							1.3	Concrete Black, Gravel, dry (FILL)	
2	NA	S-1	-	50	-	2.8	1.8	Mottled Brown and Black, Silty CLAY, some Sand and Gravel, damp	
3							2.4		
4								Brown, SILT, some Sand, damp Dark Brown/Gray, Silty CLAY, damp to moist	
5							1.6		
6	NA	S-2	-	90	-	4.0	2.1	Tan, SILT, trace Sand, moist	
7							4.2	...more Gray	
8							7.4		
9							2.2		
10	NA	S-3		100	-	1.9	7.8		
11			11-11.7				7.8	Gray, fractured Bedrock	
12							96.1	Refusal @ 11.7'	
13									
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-JJ

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Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: S. Reese
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-KK

Date Started: 4/5/2017 Date Ended: 4/5/2017
Borehole Depth: 12.2' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1							6.7	Concrete Black, 2" FILL, Silt and Gravel, some Glass	
							7.4	Brown, SILT, some Clay, dry	
2	NA	S-1	-	70	-	13.3			
							9.5		
3							20	Dark Brown, CLAY, some Silt, dry	
4									
							7.5	Light Brown, SILT, dry	
5							7.8		
6	NA	S-2	-	75	-	94.2			
							19.5	Light Brown, SILT, trace Sand, wet	
7							27.2		
8									
							18.1	Brown, SILT, some Clay, wet	
9							12.1	Brown, SILT, some Gravel, wet	
10	NA	S-3	10-12	70	-	4.4			Faint Petroleum-type Odor @ 10.0'
							103.1		
11								Gray, fractured Bedrock, wet	
							95.1		
12				100			68		
								Refusal @ 12.2'	
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-KK

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Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: S. Reese
Drilling Contractor: TREC
Sampling Method: Direct Push

Test Boring TB-II

Ground Elevation: 452.11' Datum: NAVD 88
Date Started: 4/5/2017 Date Ended: 4/5/2017
Borehole Depth: 12.7' Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 6.16' below TOC (4-10-2017)

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1								Concrete	
								2nd concrete slab - broken concrete	
2	NA	S-1	-	20	-	4.7			
3									
4							0.2	Brown, mottled SILT, some Sand and Gravel, damp	
5							3.7	...trace Sand, some orange mottling	
6	NA	S-2	-	70	-	3.6	6.3		
7							4.3	...Dark Brown, moist to wet	
8							5.4	Gray/Brown, Silty CLAY, trace Sand, soft, wet	
9							2.0		
10	NA	S-3		70	-	4.5	2.1		
11			11-12.7				16.8	Dark Gray, fractured Bedrock	faint petroleum-type odor
12							110.7		
13								Refusal @ 12.7'	
14									
15									
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 3000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-II

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Project #:	5211S-16		**TEST PIT TP-B**
Project Address:	245-265, 271 Hollenbeck St, 50 Balfour Rd.,		
	Rochester, NY	Date: 6/19/2017	Page 1 of 1
DAY Representative:	HMM	Test Pit Depth: 2.5'	
Contractor:	TREC	Depth to Water: Not Encountered	
Equipment:	Mini-Excavator		

Depth (ft)	PID Reading (ppm)	Samples Collected	PID Headspace (ppm)	Sample Description	Notes
	NA	NA	NA	Gray, Sand and Gravel (FILL)	
1-				…Light brown	1-
2-	1.7	NA	0 to 7.3	Gray-black, SILT, some Sand	2-
3-				Terminated at 2.5'	3- UST encountered at ~2.5 ft. bgs
4-					4- Excavation limited by possible presence of underground utilities
5-					5-
6-					6-
7-					7-
8-					8-
9-					9-
10-					10-
11-					11-
12-					12-

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to an isobutylene standard. A MiniRae 2000 equipped with a 10.6 eV lamp was used to obtain the PID readings.
4) NA = Not Available or Not Applicable

TEST PIT TP-B

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APPENDIX F

Monitoring Well Construction Diagrams

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DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

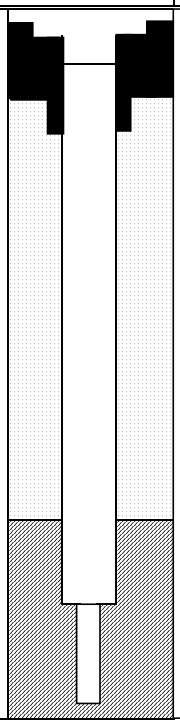
Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St
50 Balfour Dr
DAY Representative: SMS
Drilling Contractor: Applus RTD USA

MONITORING WELL MW-1R

TOC Elevation: 451.17' Datum: NAVD 88
Date Started: 2/8/2016 Date Ended: 2/19/2016

Water Level (Date): 7.53' below TOC (5-23-2016)

Refer to Test Boring Log MW-1R for Soil Description



← Flush Mounted Roadbox

0.6 Depth to Top of Steel Casing (ft)

1.0 Depth to Top of Cement/Bentonite Seal (ft)

Backfill Type Portland Cement / Bentonite Grout

10.25 Diameter of Borehole to Top of Bedrock (in)

4.0 Diameter of Steel Casing (in)

11.5 Depth to top of Bedrock(ft)

10.25 Diameter of Rock Socket (in)

13.5 Depth to Bottom of Rock Socket/Bottom of Steel Casing/Top of Open Core (ft)

3.0 Diameter of Rock Core (in)

3 7/8 Final Open Hole Diameter After Roller Bit Ream (in)

28.5 Depth to Bottom of Open Hole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-1R

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MONITORING WELL CONSTRUCTION DIAGRAM

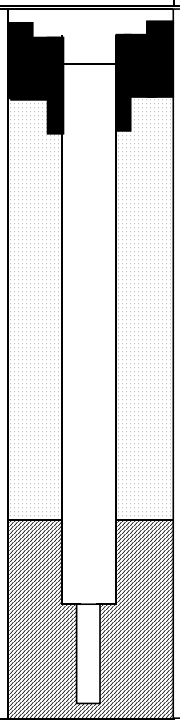
Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St
50 Balfour Dr
DAY Representative: JAD / SMS
Drilling Contractor: Applus RTD USA

MONITORING WELL MW-3R

TOC Elevation: 451.57' Datum: NAVD 88
Date Started: 2/5/2016 Date Ended: 2/15/2016

Water Level (Date): 7.80' below TOC (5-23-2016)

Refer to Test Boring Log MW-3R for Soil Description



← Flush Mounted Roadbox

NA Depth to Top of Steel Casing (ft)

1.0 Depth to Top of Cement/Bentonite Seal (ft)

Backfill Type Portland Cement / Bentonite Grout

10.25 Diameter of Borehole to Top of Bedrock (in)
4.0 Diameter of Steel Casing (in)

11.5 Depth to top of Bedrock(ft)

10.25 Diameter of Rock Socket (in) 13.5 Depth to Bottom of Rock Socket/Bottom of Steel Casing/Top of Open Core (ft)

3.0 Diameter of Rock Core (in) -- NQ

3 7/8 Final Open Hole Diameter After Roller Bit Ream (in)

28.5 Depth to Bottom of Open Hole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-3R

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MONITORING WELL CONSTRUCTION DIAGRAM

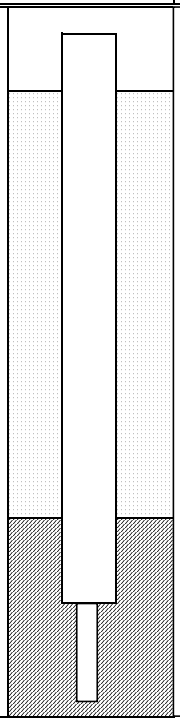
Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr
DAY Representative: JAD / SMS
Drilling Contractor: Applus RTD USA

MONITORING WELL MW-10R

TOC Elevation: 453.07' Datum: NAVD 88
Date Started: 2/4/2016 Date Ended: 2/15/2016

Water Level (Date): 10.26' below TOC (5-23-2016)

Refer to Test Boring Log MW-10R for Soil Description



1.55 Height of Stickup (ft)

← Ground Surface
0.0 Depth to Top of Cement/Bentonite Seal (ft)

Backfill Type Portland Cement / Bentonite Grout

10.25 Diameter of Borehole to Top of Bedrock (in)

4.0 Diameter of Steel Casing (in)

12.0 Depth to top of Bedrock(ft)

10.25 Diameter of Rock Socket (in)

14.0 Depth to Bottom of Rock Socket/Top of Open Core (ft)

3.0 Diameter of Rock Core (in)
3 7/8 Final Open Hole Diameter After Roller Bit Ream (in)
29.0 Depth to Bottom of Open Hole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

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MONITORING WELL CONSTRUCTION DIAGRAM

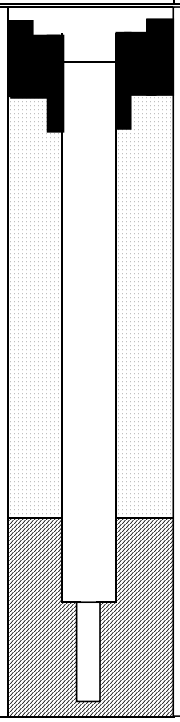
Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St
50 Balfour Dr
DAY Representative: JAD, SMS
Drilling Contractor: Applus RTD USA

MONITORING WELL MW-12R

TOC Elevation: 452.64 Datum: NAVD 88
Date Started: 2/4/2016 Date Ended: 2/15/2016

Water Level (Date): 9.25' below TOC (5-23-2016)

Refer to Test Boring Log MW-12R for Soil Description



← Flush Mounted Roadbox

0.7 Depth to Top of Steel Casing (ft)

1.0 Depth to Top of Cement/Bentonite Seal (ft)

Backfill Type Portland Cement / Bentonite Grout

10.25 Diameter of Borehole to Top of Bedrock (in) -
4.0 Diameter of Steel Casing (in)

12.5 Depth to top of Bedrock(ft)

10.25 Diameter of Rock Socket (in)
14.5 Depth to Bottom of Rock Socket/Bottom of Steel Casing/Top of Open Core (ft)

3.0 Diameter of Rock Core (in) -- NQ

3 7/8 Final Open Hole Diameter After Roller Bit Ream (in)
29.5 Depth to Bottom of Open Hole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

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MONITORING WELL CONSTRUCTION DIAGRAM

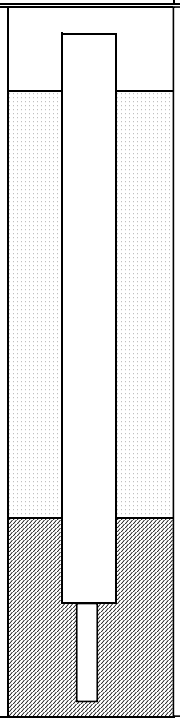
Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr
DAY Representative: SMS
Drilling Contractor: Applus RTD USA

MONITORING WELL MW-13R

TOC Elevation: 455.66' Datum: NAVD 88
Date Started: 2/8/2016 Date Ended: 2/19/2016

Water Level (Date): 11.72' below TOC (5-23-2016)

Refer to Test Boring Log MW-13R for Soil Description



1.75 Height of Stickup (ft)

← Ground Surface
0.0 Depth to Top of Cement/Bentonite Seal (ft)

Backfill Type Portland Cement / Bentonite Grout

10.25 Diameter of Borehole to Top of Bedrock (in)

4.0 Diameter of Steel Casing (in)

12.5 Depth to top of Bedrock(ft)

10.25 Diameter of Rock Socket (in)

14.5 Depth to Bottom of Rock Socket/Top of Open Core (ft)

3.0 Diameter of Rock Core (in)
3 7/8 Final Open Hole Diameter After Roller Bit Ream (in)
29.5 Depth to Bottom of Open Hole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

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MONITORING WELL CONSTRUCTION DIAGRAM

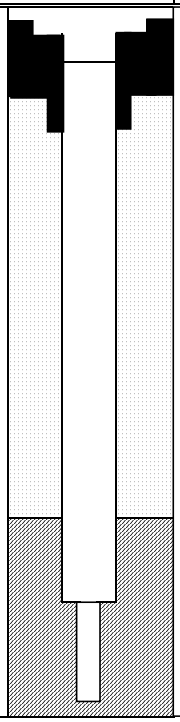
Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St
50 Balfour Dr
DAY Representative: JAD, SMS
Drilling Contractor: Applus RTD USA

MONITORING WELL MW-19R

TOC Elevation: 451.44' Datum: NAVD 88
Date Started: 2/5/2016 Date Ended: 2/18/2016

Water Level (Date): 7.01' below TOC (5-23-2016)

Refer to Test Boring Log MW-19R for Soil Description



← Flush Mounted Roadbox

0.3 Depth to Top of Steel Casing (ft)

0.8 Depth to Top of Cement/Bentonite Seal (ft)

Backfill Type Portland Cement / Bentonite Grout

10.25 Diameter of Borehole to Top of Bedrock (in)

4.0 Diameter of Steel Casing (in)

11.5 Depth to top of Bedrock(ft)

10.25 Diameter of Rock Socket (in)
13.5 Depth to Bottom of Rock Socket/Bottom of Steel Casing/Top of Open Core (ft)

3.0 Diameter of Rock Core (in) -- NQ

3 7/8 Final Open Hole Diameter After Roller Bit Ream (in)
28.5 Depth to Bottom of Open Hole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

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MONITORING WELL CONSTRUCTION DIAGRAM

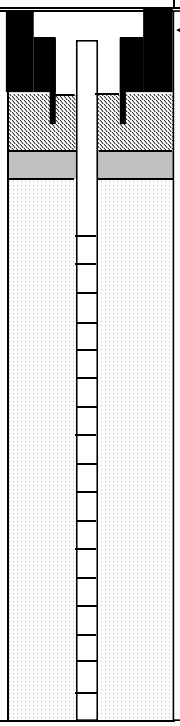
Project #: 5211S-16 (OBI)
Project Address: 245-265, 271 Hollenbeck St.
50 Balfour Dr
DAY Representative: SMS
Drilling Contractor: Applus RTD USA

MONITORING WELL MW-19

TOC Elevation: 451.62' Datum: NAVD 88
Date Started: 2/17/2016 Date Ended: 2/17/2016

Water Level (Date): 7.30' below TOC (5-23-2016)

Refer to Test Boring Log MW-19 for Soil Description



Flush Mounted Roadbox
0.5 Depth to Top of Riser Pipe (ft)
1.5 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Portland Cement / Bentonite Grout

2.5 Depth to Top of Bentonite Seal (ft)
4.5 Depth to Bottom of Bentonite Seal (ft)

5.5 Depth to Top of Well Screen (ft)

4.25 Diameter of Borehole (in)

Backfill Type Sand

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 slot

10.5 Depth to Bottom of Well Screen (ft)

11.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-19

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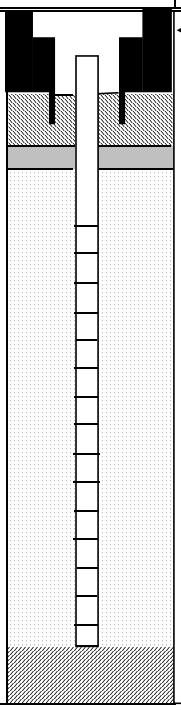
Project Address: 50 Balfour Road, and
245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC

MONITORING WELL MW-B

TOC Elevation: 452.04' Datum: NAVD 88
Date Started: 4/5/2016 Date Ended: 4/5/2016

Water Level (Date): 7.91' below TOC (5-23-2016)

Refer to Test Boring Log TB-B for Soil Description



Flush Mounted Roadbox
0.3 Depth to Top of Riser Pipe (ft)
0.7 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Bentonite

2.8 Depth to Top of Bentonite Seal (ft)
4.3 Depth to Bottom of Bentonite Seal (ft)

6.3 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Quartz Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10

11.35 Depth to Bottom of Well Screen (ft)
11.7 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-B

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MONITORING WELL CONSTRUCTION DIAGRAM

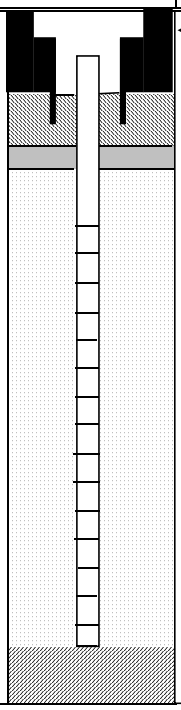
Project #: 5211S-16
Project Address: 50 Balfour Road, and
245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC

MONITORING WELL MW-D

TOC Elevation: 452.06' Datum: NAVD 88
Date Started: 4/26/2016 Date Ended: 4/26/2016

Water Level (Date): 7.93' below TOC (5-23-2016)

Refer to Test Boring Log TB-D for Soil Description



Flush Mounted Roadbox
0.2 Depth to Top of Riser Pipe (ft)
1.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Bentonite

1.2 Depth to Top of Bentonite Seal (ft)
5.2 Depth to Bottom of Bentonite Seal (ft)

7.2 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Quartz Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10

12.2 Depth to Bottom of Well Screen (ft)
12.2 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-D

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MONITORING WELL CONSTRUCTION DIAGRAM

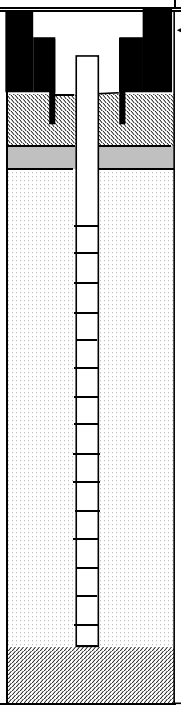
Project #: 5211S-16
Project Address: 50 Balfour Road, and
245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC

MONITORING WELL MW-G

TOC Elevation: 451.79' Datum: NAVD 88
Date Started: 3/31/206 Date Ended: 4/4/2016

Water Level (Date): 8.08' below TOC (5-23-2016)

Refer to Test Boring Log TB-G for Soil Description



Flush Mounted Roadbox
0.3 Depth to Top of Riser Pipe (ft)

0.5 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Bentonite

1.0 Depth to Top of Bentonite Seal (ft)
3.0 Depth to Bottom of Bentonite Seal (ft)

5.0 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Quartz Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10

15.0 Depth to Bottom of Well Screen (ft)
15.1 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-G

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MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 5211S-16
Project Address: 50 Balfour Road, and
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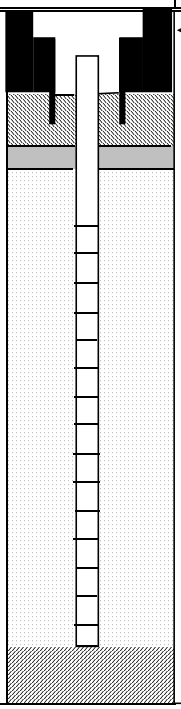
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC

MONITORING WELL MW-H

TOC Elevation: 450.72' Datum: NAVD 88
Date Started: 3/29/2016 Date Ended: 3/29/2016

Water Level (Date): 7.11' below TOC (5-23-2016)

Refer to Test Boring Log TB-H for Soil Description



Flush Mounted Roadbox
0.5 Depth to Top of Riser Pipe (ft)
1.5 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Bentonite

2.5 Depth to Top of Bentonite Seal (ft)
4.5 Depth to Bottom of Bentonite Seal (ft)

6.5 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Quartz Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10

11.5 Depth to Bottom of Well Screen (ft)
12.0 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-H

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MONITORING WELL CONSTRUCTION DIAGRAM

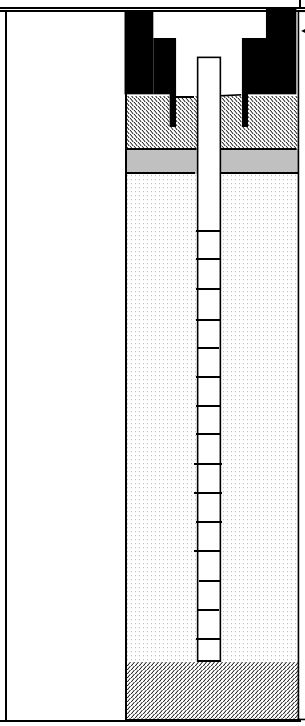
Project #: 5211S-16
Project Address: 50 Balfour Road, and
245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC

MONITORING WELL MW-M

TOC Elevation: 451.02' Datum: NAVD 88
Date Started: 3/30/2016 Date Ended: 4/5/2016

Water Level (Date): 7.51' below TOC (5-23-2016)

Refer to Test Boring Log TB-M for Soil Description



Flush Mounted Roadbox
0.3 Depth to Top of Riser Pipe (ft)
0.5 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Bentonite

0.5 Depth to Top of Bentonite Seal (ft)
4.5 Depth to Bottom of Bentonite Seal (ft)

7.5 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Quartz Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10

12.5 Depth to Bottom of Well Screen (ft)
12.5 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-M

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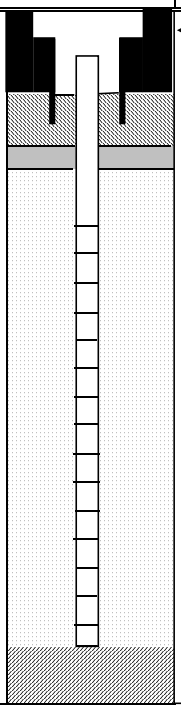
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 5211S-16
Project Address: 50 Balfour Road, and
245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC

MONITORING WELL MW-P

TOC Elevation: 452.33' Datum: NAVD 88
Date Started: 3/30/2016 Date Ended: 3/30/2016
Water Level (Date): 10.79' below TOC (5-23-2016)

Refer to Test Boring Log TB-P for Soil Description



Flush Mounted Roadbox
0.1 Depth to Top of Riser Pipe (ft)
0.5 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Bentonite

1.0 Depth to Top of Bentonite Seal (ft)
3.2 Depth to Bottom of Bentonite Seal (ft)

8.8 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Quartz Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10

13.8 Depth to Bottom of Well Screen (ft)
13.8 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-P

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MONITORING WELL CONSTRUCTION DIAGRAM

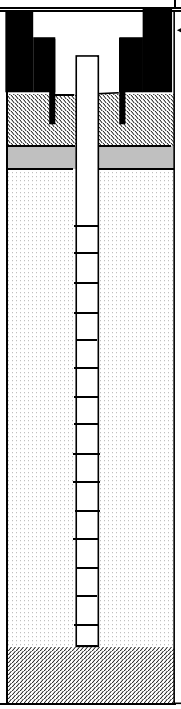
Project #: 5211S-16
Project Address: 50 Balfour Road, and
245-265, 271 Hollenbeck St
Rochester, NY
DAY Representative: S. Shoemaker
Drilling Contractor: TREC

MONITORING WELL MW-Q

TOC Elevation: 452.15' Datum: NAVD 88
Date Started: 4/26/2016 Date Ended: 4/26/2016

Water Level (Date): 8.53' below TOC (5-23-2016)

Refer to Test Boring Log TB-Q for Soil Description



Flush Mounted Roadbox
0.4 Depth to Top of Riser Pipe (ft)
0.6 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Bentonite

0.8 Depth to Top of Bentonite Seal (ft)
5.2 Depth to Bottom of Bentonite Seal (ft)

7.2 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Quartz Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10

12.2 Depth to Bottom of Well Screen (ft)
12.2 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-Q

1563 LYELL AVENUE
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day

DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL CONSTRUCTION DIAGRAM

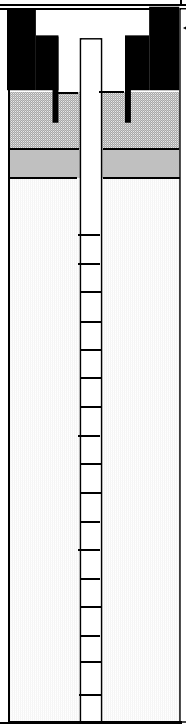
Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: H. McLennan
Drilling Contractor: TREC

MONITORING WELL MW-FF

Ground Elevation: 451.99' Datum: NAVD 88
Date Started: 4/6/2017 Date Ended: 4/6/2017

Water Level (Date): 445.85' (4-10-2017)

Refer to Test Boring Log TB-FF for Soil Description



Flush Mounted Roadbox
0.4 Depth to Top of Riser Pipe (ft)
0.6 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Grout

3.3 Depth to Top of Bentonite Seal (ft)
5.3 Depth to Bottom of Bentonite Seal (ft)

7.3 Depth to Top of Well Screen (ft)

4 1/4 Diameter of Borehole (in)

Backfill Type Sand, Silica Quartz

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

12.3 Depth to Bottom of Well Screen (ft)

12.8 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-FF

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MONITORING WELL CONSTRUCTION DIAGRAM

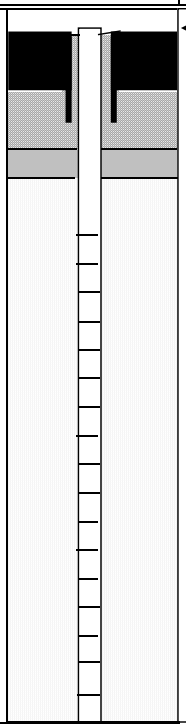
Project #: 5211S-16
Project Address: 245-265 Hollenbeck St, 271 Hollenbeck St.
50 Balfour Dr., Rochester
DAY Representative: H. McLennan
Drilling Contractor: TREC

MONITORING WELL MW-II

Ground Elevation: 452.11' Datum: NAVD 88
Date Started: 4/6/2017 Date Ended: 4/6/2017

Water Level (Date): 445.89 (4/10/2017)

Refer to Test Boring Log TB-11 for Soil Description



Riser Pipe concreted in place
0.0 Depth to Top of Riser Pipe (ft)
0.3 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type

0.3 Depth to Top of Bentonite Seal (ft)
1.0 Depth to Bottom of Bentonite Seal (ft)

2.6 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10 Slot

12.6 Depth to Bottom of Well Screen (ft)

12.7 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-II

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APPENDIX G

Monitoring Well Development Logs

WELL DEVELOPMENT DATA
MW- 1R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/9/2016 1400	3/9/2016 1404	3/9/2016 1408	3/9/2016 1413	3/9/2016 1417	3/9/2016 1420	3/9/2016 1425	3/9/2016 1429
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump
PID/FID (PPM)	3.0							
DEPTH OF WELL (FT)	28.29							
STATIC WATER LEVEL (SWL) FT	6.76							
VOLUME EVACUATED (GAL)	305	5	5	5	5	5	5	5
TOTAL VOLUME EVACUATED (GAL)	305	310	315	320	325	330	335	340
TEMPERATURE (^{O}C)	17.3	16.4	16.6	17.0	17.2	16.8	16.6	16.9
pH	6.51	6.56	6.57	6.62	6.61	6.58	6.64	6.57
ORP (mV)	95	72	53	47	51	53	53	49
CONDUCTIVITY (S/m)	0.167	0.164	0.161	0.160	0.165	0.161	0.160	0.160
TURBIDITY (NTU)	53.9	76.2	97.0	96.7	98.0	97.5	98.3	97.0
VISUAL OBSERVATION	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
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Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 1R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/9/2016 1435	3/9/2016 1440						
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump						
PID/FID (PPM)								
DEPTH OF WELL (FT)		28.29						
STATIC WATER LEVEL (SWL) FT		9.95						
VOLUME EVACUATED (GAL)	5	5						
TOTAL VOLUME EVACUATED (GAL)	345	350						
TEMPERATURE (^{O}C)	17.0	17.1						
pH	6.57	6.58						
ORP (mV)	52	53						
CONDUCTIVITY (S/m)	0.176	0.161						
TURBIDITY (NTU)	97.3	96.9						
VISUAL OBSERVATION	Mostly Clear/No Odor	Mostly Clear/No Odor						

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 3R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/8/2016 0750	3/8/2016 0757	3/8/2016 0801	3/8/2016 0805	3/8/2016 0809	3/8/2016 0813	3/8/2016 0818	3/8/2016 0822
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump
PID/FID (PPM)	4.1							
DEPTH OF WELL (FT)	28.60							
STATIC WATER LEVEL (SWL) FT	6.94							
VOLUME EVACUATED (GAL)	425	5	5	5	5	5	5	5
TOTAL VOLUME EVACUATED (GAL)	425	430	435	440	445	450	455	460
TEMPERATURE (^{O}C)	11.8	13.3	15.8	17.9	19.0	16.3	15.7	15.4
pH	6.30	6.41	6.50	6.50	6.51	6.61	6.53	6.60
ORP (mV)	67	64	54	54	50	47	44	44
CONDUCTIVITY (S/m)	0.127	0.123	0.121	92.6 (mS/m)	89.1 (mS/m)	94.1 (mS/m)	94.6 (mS/m)	96.2 (mS/m)
TURBIDITY (NTU)	523.0	621.0	585.0	315.0	203.0	147.0	148.0	82.0
VISUAL OBSERVATION	Slightly Brown/No Odor	Slightly Brown/No Odor	Slightly Brown/No Odor	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 3R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/8/2016 0826	3/8/2016 0831						
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump						
PID/FID (PPM)								
DEPTH OF WELL (FT)		28.62						
STATIC WATER LEVEL (SWL) FT		7.64						
VOLUME EVACUATED (GAL)	5	5						
TOTAL VOLUME EVACUATED (GAL)	465	470						
TEMPERATURE (^{O}C)	15.9	15.4						
pH	6.62	6.48						
ORP (mV)	45	24						
CONDUCTIVITY (mS/m)	94.7 (mS/m)	97.2 (mS/m)						
TURBIDITY (NTU)	92.0	280.0						
VISUAL OBSERVATION	Mostly clear/No odor	Mostly clear/No odor						

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
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Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 10R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/14/2016 1240	3/14/2016 1244	3/14/2016 1248	3/14/2016 1253	3/14/2016 1255	3/14/2016 1258	3/14/2016 1303	3/14/2016 1340
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump
PID/FID (PPM)	0.1							
DEPTH OF WELL (FT)	29.0							
STATIC WATER LEVEL (SWL) FT	9.66							
VOLUME EVACUATED (GAL)	270	5	5	5	5	5	5	5
TOTAL VOLUME EVACUATED (GAL)	270	275	280	285	290	295	300	305
TEMPERATURE (^{O}C)	16.0	15.6	15.4	15.3	15.3	15.3	15.4	18.5
pH	6.21	6.41	6.50	6.43	6.29	6.29	6.39	7.03
ORP (mV)	135	81	59	50	45	40	36	39
CONDUCTIVITY (S/m)	0.153	0.147	0.145	0.146	0.148	0.145	0.145	0.141
TURBIDITY (NTU)	28.5	26.0	23.3	22.7	22.9	21.7	20.6	174.0
VISUAL OBSERVATION	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor	Mostly Clear/No Odor	Slightly Cloudy/No Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 10R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/14/2016 1343	3/14/2016 1346	3/14/2016 1350					
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump					
PID/FID (PPM)								
DEPTH OF WELL (FT)			30.52**					
STATIC WATER LEVEL (SWL) FT			12.23					
VOLUME EVACUATED (GAL)	5	5	5					
TOTAL VOLUME EVACUATED (GAL)	310	315	320					
TEMPERATURE (^{O}C)	17.2	16.0	16.1					
pH	6.41	6.40	6.41					
ORP (mV)	43	40	39					
CONDUCTIVITY (S/m)	0.149	0.145	0.145					
TURBIDITY (NTU)	135.0	58.0	131.0					
VISUAL OBSERVATION	Slightly Cloudy/No Odor	Slightly Cloudy/No Odor	Slightly Cloudy/No Odor					

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable
**=Measurement collected from Top of Casing

Day Environmental, Inc.
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WELL DEVELOPMENT DATA
MW- 12R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/15/2016 1500	3/15/2016 1505	3/15/2016 1509	3/15/2016 1511	3/15/2016 1515	3/15/2016 1518	3/16/16 0830	3/16/2016 0836
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump
PID/FID (PPM)	1.5							
DEPTH OF WELL (FT)	29.25							
STATIC WATER LEVEL (SWL) FT	8.61							
VOLUME EVACUATED (GAL)	80	3	3	3.5	2	2.5	3	3
TOTAL VOLUME EVACUATED (GAL)	80	83	86	89.5	91.5	94	97	100
TEMPERATURE (^{O}C)	14.0	15.0	15.1	15.2	15.2	14.7	13.8	14.8
pH	6.66	6.61	6.66	6.64	6.71	6.64	6.46	6.44
ORP (mV)	102	95	84	25	15	4	67	-12
CONDUCTIVITY (S/m)	0.178	0.174	0.173	0.174	0.173	0.178	0.179	0.174
TURBIDITY (NTU)	105	687	*	122	552	99.8	549.0	252.0
VISUAL OBSERVATION	Very Cloudy/No Odor	Very Cloudy/No Odor	Very Cloudy/No Odor	Very Cloudy/No Odor	Very Cloudy/No Odor	Very Cloudy/No Odor	Slightly Cloudy/No Odor	Slightly Cloudy/No Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 12R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/16/2016 0844	3/16/2016 0850	3/16/2016 0855	3/16/2016 0900	3/16/2016 0905	3/16/2016 0910	3/16/2016 1130	3/16/2016 1135
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump
PID/FID (PPM)								
DEPTH OF WELL (FT)								29.30
STATIC WATER LEVEL (SWL) FT								26.21
VOLUME EVACUATED (GAL)	3	3	2.5	3	3	2.5	3	4
TOTAL VOLUME EVACUATED (GAL)	103	106	108.5	111.5	114.5	117	120	124
TEMPERATURE (^{O}C)	14.8	14.7	14.8	14.8	14.7	14.8	14.8	14.6
pH	6.48	6.62	6.66	6.69	6.49	6.46	6.59	6.53
ORP (mV)	-32	-58	-71	-78	-84	-72	-41	-62
CONDUCTIVITY (S/m)	0.175	0.174	0.174	0.177	0.179	0.179	0.176	0.174
TURBIDITY (NTU)	227	419	528	524	387	631	*	*
VISUAL OBSERVATION	Slightly Cloudy/No Odor	Slightly Cloudy/No Odor	Slightly Cloudy/No Odor	Slightly Cloudy/No Odor	Slightly Cloudy/No Odor	Slightly Cloudy/No Odor	Very Cloudy/No Odor	Very Cloudy/No Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 13R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/15/2016 1350	3/15/2016 1358	3/15/2016 1406	3/15/2016 1415	3/15/2016 1424	3/15/2016 1433	3/15/2016 1441	3/15/2016 1450
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump
PID/FID (PPM)	1.1							
DEPTH OF WELL (FT)	29.5							
STATIC WATER LEVEL (SWL) FT	10.97							
VOLUME EVACUATED (GAL)	200	5	5	5	5	5	5	5
TOTAL VOLUME EVACUATED (GAL)	200	205	210	215	220	225	230	235
TEMPERATURE (^{O}C)	17.9	16.8	17.7	17.1	17.2	17.7	16.7	17.2
pH	6.41	6.64	6.78	6.54	6.51	6.41	6.56	6.43
ORP (mV)	95	59	51	45	42	41	34	39
CONDUCTIVITY (S/m)	0.168	0.162	0.159	0.161	0.160	0.163	0.159	0.163
TURBIDITY (NTU)	206.0	202.0	174.0	160.0	146.0	151.0	143.6	149.0
VISUAL OBSERVATION	Brown Cloudy/No Odor	Brown Cloudy/No Odor	Brown Cloudy/No Odor	Brown Cloudy/No Odor	Brown Cloudy/No Odor	Brown Cloudy/No Odor	Brown Cloudy/No Odor	Brown Cloudy/No Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

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WELL DEVELOPMENT DATA
MW- 13R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/15/2016 1458							
EVACUATION METHOD	Centrifugal Gas Powered Pump							
PID/FID (PPM)								
DEPTH OF WELL (FT)	30.97**							
STATIC WATER LEVEL (SWL) FT	21.85							
VOLUME EVACUATED (GAL)	5							
TOTAL VOLUME EVACUATED (GAL)	240							
TEMPERATURE (^{O}C)	17.4							
pH	6.42							
ORP (mV)	35							
CONDUCTIVITY (S/m)	0.163							
TURBIDITY (NTU)	145.0							
VISUAL OBSERVATION	Brown Cloudy/No Odor							

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable
**=Measurement collected from Top of Casing

Day Environmental, Inc.
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Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 19R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/4/2016 1210	3/4/2016 1218	3/4/2016 1224	3/4/2016 1228	3/4/2016 1233	3/4/2016 1236	3/4/2016 1240	3/4/2016 1243
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump
PID/FID (PPM)	0.4							
DEPTH OF WELL (FT)	27.91							
STATIC WATER LEVEL (SWL) FT	5.51							
VOLUME EVACUATED (GAL)	365	5	5	5	5	5	5	5
TOTAL VOLUME EVACUATED (GAL)	365	370	375	380	385	390	395	400
TEMPERATURE (^{O}C)	10.9	11.8	12.3	12.4	12.6	12.5	12.4	12.4
pH	6.22	6.52	6.32	6.30	6.31	6.32	6.44	6.52
ORP (mV)	141	126	116	113	115	115	116	113
CONDUCTIVITY (S/m)	0.184	0.173	0.176	0.176	0.175	0.175	0.171	0.171
TURBIDITY (NTU)	39.5	45.6	59.1	43.7	32.8	30.9	28.7	28.4
VISUAL OBSERVATION	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 19R

SITE LOCATION: 245-265 Hollenbeck St., 50 Balfour Dr., Rochester, NY JOB#: 5211S-16 (OBI)

DATE/ TIME	3/4/2016 1247	3/4/2016 1250	3/4/2016 1256	3/4/2016 1259	3/4/2016 1300			
EVACUATION METHOD	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump	Centrifugal Gas Powered Pump			
PID/FID (PPM)								
DEPTH OF WELL (FT)					28.10			
STATIC WATER LEVEL (SWL) FT					5.58			
VOLUME EVACUATED (GAL)	5	5	5	5	5			
TOTAL VOLUME EVACUATED (GAL)	405	410	415	420	425			
TEMPERATURE (^{O}C)	12.4	12.4	12.5	12.6	12.6			
pH	6.43	6.44	6.51	6.49	6.48			
ORP (mV)	114	113	115	113	113			
CONDUCTIVITY (S/m)	0.171	0.171	0.173	0.171	0.171			
TURBIDITY (NTU)	28.5	29.1	28.7	30.3	29.5			
VISUAL OBSERVATION	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor	Mostly clear/No odor			

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- B

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/6/2016 1011	5/6/2016 1015	5/6/2016 1019	5/6/2016 1023	5/6/2016 1027	5/6/2016 1031	5/6/2016 1033	5/6/2016 1035
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump
PID/FID (PPM)	28.1							
DEPTH OF WELL (FT)	11.33							
STATIC WATER LEVEL (SWL) FT	7.47							
VOLUME EVACUATED (GAL)	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13
TOTAL VOLUME EVACUATED (GAL)	0.25	0.5	0.75	1.0	1.13	1.26	1.39	1.52
TEMPERATURE (^{O}C)	19.0	19.0	19.0	18.8	19.4	18.8	18.7	18.6
pH	6.12	6.02	5.70	6.03	6.14	5.83	6.11	6.19
ORP (mV)	129	121	113	117	118	120	123	124
CONDUCTIVITY (S/m)	0.139	0.141	0.142	0.143	0.152	0.142	0.144	0.238
TURBIDITY (NTU)	*	*	*	*	*	*	*	954.0
VISUAL OBSERVATION	Very Brown/Low Odor	Very Brown/Low Odor	Very Brown/Low Odor	Very Brown/Low Odor	Very Brown/Low Odor	Very Brown/Low Odor	Clearer/Low Odor	Clearer/Low Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- B

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/6/2016 1038	5/6/2016 1041	5/6/2016 1045	5/6/2016 1049				
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump				
PID/FID (PPM)								
DEPTH OF WELL (FT)				11.35				
STATIC WATER LEVEL (SWL) FT				7.48				
VOLUME EVACUATED (GAL)	0.13	0.13	0.1	0.15				
TOTAL VOLUME EVACUATED (GAL)	1.65	1.78	1.88	2.03				
TEMPERATURE (^{O}C)	18.7	18.7	18.7	18.7				
pH	6.10	6.09	6.09	6.10				
ORP (mV)	126	126	126	125				
CONDUCTIVITY (S/m)	0.143	0.144	0.143	0.144				
TURBIDITY (NTU)	571.0	344.0	210.0	200.0				
VISUAL OBSERVATION	Clear/No Odor	Clear/No Odor	Clear/No Odor	Clear/No Odor				

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- D

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/6/2016 0855	5/6/2016 0901	5/6/2016 0904	5/6/2016 0907	5/6/2016 0910	5/6/2016 0913	5/6/2016 0916	5/6/2016 0919
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump
PID/FID (PPM)	104							
DEPTH OF WELL (FT)	12.1							
STATIC WATER LEVEL (SWL) FT	7.48							
VOLUME EVACUATED (GAL)	0.2	0.2	0.2	0.2	0.2	0.25	0.25	0.13
TOTAL VOLUME EVACUATED (GAL)	0.2	0.4	0.6	0.8	1.0	1.25	1.5	1.63
TEMPERATURE (^{O}C)	18.3	18.1	17.9	17.9	18.0	18.0	18.0	18.0
pH	6.16	6.26	6.35	6.38	6.35	6.18	6.18	6.18
ORP (mV)	102	72	72	71	69	71	69	71
CONDUCTIVITY (S/m)	0.157	0.162	0.165	0.163	0.163	0.155	0.155	0.153
TURBIDITY (NTU)	*	*	*	*	*	420.0	515.0	207.0
VISUAL OBSERVATION	Cloudy/High Odor	Cloudy/High Odor	Cloudy/High Odor	Slightly Cloudy/Odor	Slightly Cloudy/Odor	Slightly Cloudy/Odor	Slightly Cloudy/Odor	Slightly Cloudy/Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- D

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/6/2016 0922	5/6/2016 0925	5/6/2016 0929	5/6/2016 0935				
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump				
PID/FID (PPM)								
DEPTH OF WELL (FT)				12.1				
STATIC WATER LEVEL (SWL) FT				7.49				
VOLUME EVACUATED (GAL)	0.13	0.13	0.13	0.13				
TOTAL VOLUME EVACUATED (GAL)	1.76	1.89	2.02	2.15				
TEMPERATURE (^{O}C)	18.1	18.1	18.4	18.3				
pH	6.20	6.00	6.18	6.18				
ORP (mV)	60	59	61	60				
CONDUCTIVITY (S/m)	0.153	0.152	0.153	0.153				
TURBIDITY (NTU)	134.0	255.0	133.0	130.0				
VISUAL OBSERVATION	Slightly Cloudy/Odor	Slightly Cloudy/Odor	Slightly Cloudy/Odor	Slightly Cloudy/Odor				

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- G

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/6/2016 1200	5/6/2016 1203	5/6/2016 1207	5/6/2016 1209	5/6/2016 1211	5/6/2016 1213	5/6/2016 1216	5/6/2016 1220
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump
PID/FID (PPM)	104							
DEPTH OF WELL (FT)	14.4							
STATIC WATER LEVEL (SWL) FT	7.66							
VOLUME EVACUATED (GAL)	0.25	0.25	0.15	0.10	0.25	0.25	0.10	0.15
TOTAL VOLUME EVACUATED (GAL)	0.25	0.5	0.65	0.75	1.0	1.25	1.35	1.5
TEMPERATURE (^{O}C)	16.3	16.4	16.3	16.4	16.4	16.3	16.5	16.4
pH	6.77	6.50	6.46	6.39	6.37	6.28	6.12	6.11
ORP (mV)	68	84	96	98	94	97	100	101
CONDUCTIVITY (S/m)	0.145	0.151	0.149	0.150	0.149	0.149	0.149	0.143
TURBIDITY (NTU)	151.0	177.0	188.0	360.0	139.0	130.0	105.0	109.0
VISUAL OBSERVATION	Clear/High Odor	Clear/High Odor	Clear/High Odor	Clear/High Odor	Clear/High Odor	Clear/High Odor	Clear/High Odor	Clear/High Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- G

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/6/2016 1223	5/6/2016 1226	5/6/2016 1230	5/6/2016 1235	5/6/2016 1239	5/6/2016 1241		
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump		
PID/FID (PPM)								
DEPTH OF WELL (FT)						14.45		
STATIC WATER LEVEL (SWL) FT						7.65		
VOLUME EVACUATED (GAL)	0.25	0.25	0.25	0.25	0.25	0.25		
TOTAL VOLUME EVACUATED (GAL)	1.75	2.0	2.25	2.5	2.75	3.0		
TEMPERATURE (^{O}C)	16.8	16.9	16.9	17.0	17.0	17.1		
pH	6.11	6.12	6.12	6.12	6.11	6.13		
ORP (mV)	98	100	100	98	99	98		
CONDUCTIVITY (S/m)	0.98	0.142	0.141	0.141	0.145	0.141		
TURBIDITY (NTU)	98.1	89.0	75.9	69.8	64.0	60.1		
VISUAL OBSERVATION	Clear/High Odor	Clear/High Odor	Clear/High Odor	Clear/High Odor	Clear/High Odor	Clear/High Odor		

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- H

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/10/2016 0908	5/10/2016 0933						
EVACUATION METHOD	GEO pump	GEO pump						
PID/FID (PPM)	5.8							
DEPTH OF WELL (FT)	11.11							
STATIC WATER LEVEL (SWL) FT	7.09							
VOLUME EVACUATED (GAL)	0.08	0.08						
TOTAL VOLUME EVACUATED (GAL)	0.08	0.16						
TEMPERATURE (^{O}C)	15.2	14.2						
pH	6.09	5.93						
ORP (mV)	114	107						
CONDUCTIVITY (S/m)	0.092	57.9						
TURBIDITY (NTU)	*	914.0						
VISUAL OBSERVATION	Cloudy/Low Odor		Recovery at MW-H was limited. Monitoring well was pumped dry.					

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- M

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/9/2016 1330	5/9/2016 1340	5/9/2016 1349	5/9/2016 1354	5/9/2016 1400	5/9/2016 1405	5/9/2016 1410	5/9/2016 1415
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump
PID/FID (PPM)	0.7							
DEPTH OF WELL (FT)	12.4							
STATIC WATER LEVEL (SWL) FT	7.16							
VOLUME EVACUATED (GAL)	0.20	0.20	0.15	0.15	0.25	0.25	0.25	0.13
TOTAL VOLUME EVACUATED (GAL)	0.20	0.40	0.55	0.70	0.95	1.2	1.45	1.58
TEMPERATURE (^{O}C)	14.4	12.9	12.2	12.2	11.9	11.8	12.0	11.9
pH	6.75	6.50	6.23	6.32	6.19	6.14	6.14	6.14
ORP (mV)	NC	-49	-67	-75	-80	-74	-74	-74
CONDUCTIVITY (S/m)	36.8	41.7	67.5	70.6	103	75.3	76.8	76.8
TURBIDITY (NTU)	*	*	*	*	*	*	*	920.0
VISUAL OBSERVATION	Light Brown/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Odor	Cloudy/Low Odor	Cloudy/Low Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- M

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/9/2016 1415	5/9/2016 1415	5/9/2016 1415	5/9/2016 1415				
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump				
PID/FID (PPM)								
DEPTH OF WELL (FT)				12.4				
STATIC WATER LEVEL (SWL) FT				7.20				
VOLUME EVACUATED (GAL)	0.12	0.15	0.25	0.13				
TOTAL VOLUME EVACUATED (GAL)	1.7	1.85	2.1	2.23				
TEMPERATURE (^{O}C)	11.9	11.7	11.8	11.8				
pH	6.11	6.10	6.11	6.11				
ORP (mV)	-72	-72	-70	-70				
CONDUCTIVITY (mS/m)	71.8	70.8	71.0	71.2				
TURBIDITY (NTU)	709.0	608.0	594.0	540.0				
VISUAL OBSERVATION	Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor				

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- P

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/9/2016 1154	5/9/2016 1157	5/9/2016 1200	5/9/2016 1208	5/9/2016 1215	5/9/2016 1220	5/9/2016 1225	5/9/2016 1229
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump
PID/FID (PPM)	3.8							
DEPTH OF WELL (FT)	13.63							
STATIC WATER LEVEL (SWL) FT	10.64							
VOLUME EVACUATED (GAL)	0.07	0.08	0.07	0.08	0.20	0.12	0.13	0.20
TOTAL VOLUME EVACUATED (GAL)	0.07	0.15	0.22	0.3	0.5	0.62	0.75	0.95
TEMPERATURE (^{O}C)	14.6	12.8	12.2	12.1	13.0	12.5	12.6	13.1
pH	6.50	6.30	6.32	6.27	6.20	6.15	6.18	6.18
ORP (mV)	101	96	98	122	124	90	94	99
CONDUCTIVITY (S/m)	0.155	0.157	0.165	0.169	0.157	0.155	0.154	0.164
TURBIDITY (NTU)	*	360.0	203.0	64.7	44.7	*	290.0	238.0
VISUAL OBSERVATION	Brown Cloudy/No Odor	Cloudy/No Odor	Cloudy/No Odor	Cloudy/No Odor	Cloudy/No Odor	Cloudy/No Odor	Cloudy/No Odor	Cloudy/No Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- P

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/9/2016 1233	5/9/2016 1241	5/9/2016 1246	5/9/2016 1251				
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump				
PID/FID (PPM)								
DEPTH OF WELL (FT)				13.65				
STATIC WATER LEVEL (SWL) FT				10.67				
VOLUME EVACUATED (GAL)	0.20	0.15	0.10	0.15				
TOTAL VOLUME EVACUATED (GAL)	1.15	1.3	1.4	1.55				
TEMPERATURE (^{O}C)	13.7	13.5	13.4	13.4				
pH	6.26	6.28	6.26	6.27				
ORP (mV)	119	146	145	146				
CONDUCTIVITY (S/m)	0.166	0.166	0.165	0.165				
TURBIDITY (NTU)	144.0	57.7	54.2	50.0				
VISUAL OBSERVATION	Cloudy/No Odor	Cloudy/No Odor	Cloudy/No Odor	Clear/No Odor				

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- Q

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/6/2016 1100	5/6/2016 1108	5/6/2016 1110	5/6/2016 1114	5/6/2016 1116	5/6/2016 1118	5/6/2016 1121	5/6/2016 1125
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump
PID/FID (PPM)	28.6							
DEPTH OF WELL (FT)	11.94							
STATIC WATER LEVEL (SWL) FT	8.05							
VOLUME EVACUATED (GAL)	0.07	0.08	0.13	0.25	0.5	0.25	0.25	0.25
TOTAL VOLUME EVACUATED (GAL)	0.07	0.15	0.28	0.53	1.03	1.28	1.53	1.78
TEMPERATURE (^{O}C)	19.6	19.9	20.2	20.2	19.8	19.8	20.0	19.8
pH	7.08	7.13	6.98	7.04	7.14	6.97	7.02	7.08
ORP (mV)	-165	-192	-209	-211	-208	-203	-202	-200
CONDUCTIVITY (S/m)	0.237	0.239	0.240	0.238	0.238	0.238	0.239	0.238
TURBIDITY (NTU)	*	*	*	*	*	*	*	*
VISUAL OBSERVATION	Very Brown/High Odor	Very Brown/High Odor	Very Brown/High Odor	Very Brown/High Odor	Very Brown/High Odor	Very Brown/High Odor	Very Brown/High Odor	Very Brown/High Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- Q

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/6/2016 1128	5/6/2016 1130	5/6/2016 1133	5/6/2016 1136	5/6/2016 1140	5/6/2016 1143	5/6/2016 1146	
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	
PID/FID (PPM)								
DEPTH OF WELL (FT)							11.94	
STATIC WATER LEVEL (SWL) FT							8.09	
VOLUME EVACUATED (GAL)	0.25	0.1	0.1	0.1	0.15	0.2	0.2	
TOTAL VOLUME EVACUATED (GAL)	2.03	2.13	2.23	2.33	2.48	2.68	2.88	
TEMPERATURE (^{O}C)	197	19.8	20.1	20.1	20.1	20.1	20.1	
pH	7.08	7.10	7.10	7.08	7.09	7.12	7.11	
ORP (mV)	-202	-212	-210	-216	NC	-217	-215	
CONDUCTIVITY (S/m)	0.237	0.229	0.235	0.235	0.230	0.229	0.229	
TURBIDITY (NTU)	950.0	920.0	657.0	457.0	250.0	445.0	471.0	
VISUAL OBSERVATION	Slightly Brown/High Odor	Slightly Brown/High Odor	Slightly Cloudy/High Odor	Slightly Cloudy/High Odor	Slightly Cloudy/High Odor	Slightly Cloudy/High Odor	Slightly Cloudy/High Odor	

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 19

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/9/2016 1040	5/9/2016 1044	5/9/2016 1049	5/9/2016 1053	5/9/2016 1057	5/9/2016 1100	5/9/2016 1102	5/9/2016 1116
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump	GEO pump
PID/FID (PPM)	1180**							
DEPTH OF WELL (FT)	9.84							
STATIC WATER LEVEL (SWL) FT	6.96							
VOLUME EVACUATED (GAL)	0.12	0.13	0.12	0.13	0.12	0.13	0.12	0.13
TOTAL VOLUME EVACUATED (GAL)	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0
TEMPERATURE (^{O}C)	12.2	11.8	11.7	12.0	21.1	12.4	12.4	12.3
pH	6.26	6.26	6.26	6.26	6.27	6.29	6.28	6.26
ORP (mV)	101	86	88	82	79	79	82	82
CONDUCTIVITY (S/m)	0.652	0.620	0.620	0.597	0.536	0.473	0.415	0.372
TURBIDITY (NTU)	933.0	563.0	179.0	98.8	79.7	59.8	95.6	58.6
VISUAL OBSERVATION	Clear/Low Odor	Clear/Low Odor	Clear/Low Odor	Clear/Low Odor	Clear/Low Odor	Clear/Low Odor	Clear/Low Odor	Clear/Low Odor

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable
**=Suspected equipment malfunction

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW- 19

SITE LOCATION: 50 Balfour Dr., 245-265, 271 Hollenbeck St., Rochester, NY JOB#: 5211S-16

DATE/ TIME	5/9/2016 1120	5/9/2016 1125	5/9/2016 1130	5/9/2016 1135				
EVACUATION METHOD	GEO pump	GEO pump	GEO pump	GEO pump				
PID/FID (PPM)								
DEPTH OF WELL (FT)				9.84				
STATIC WATER LEVEL (SWL) FT				6.94				
VOLUME EVACUATED (GAL)	0.12	0.13	0.12	0.13				
TOTAL VOLUME EVACUATED (GAL)	1.12	1.25	1.37	1.5				
TEMPERATURE (^{O}C)	12.3	12.3	12.4	12.4				
pH	6.26	6.26	6.27	6.27				
ORP (mV)	82	82	81	82				
CONDUCTIVITY (µs/cm)	0.365	0.364	0.363	0.363				
TURBIDITY (NTU)	61.3	58.0	54.5	56.1				
VISUAL OBSERVATION	Clear/Low Odor	Clear/Low Odor	Clear/Low Odor	Clear/Low Odor				

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW-FF

SITE LOCATION: 245-265 Hollenbeck St., 271 Hollenbeck St., 50 Balfour Dr., Rochester JOB#: 5211S-16

DATE/ TIME	4/10/17 12:50	4/10/17 12:56	4/10/17 13:01	4/10/17 13:20	4/10/17 13:37	4/10/17 13:45	4/10/17 13:53	4/10/17 14:00
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump
PID/FID (PPM)	16.6							
DEPTH OF WELL (FT)	12.2							
STATIC WATER LEVEL (SWL) FT	5.63							
VOLUME EVACUATED (GAL)	0.25	1.00	0.75	1.50	2.50	1.00	1.00	2.5
TOTAL VOLUME EVACUATED (GAL)	0.25	1.25	2.00	3.50	6.00	7.00	8.00	10.5
TEMPERATURE (^{O}C)	18.3	18.2	18.1	18.2	18.1	18.1	18.1	18.1
pH	6.42	6.39	6.39	6.39	6.37	6.35	6.34	6.35
ORP (mV)					-53.1	-53.4	-53.3	-54.2
CONDUCTIVITY (ms/cm)	41.74	40.60	38.06	36.68	36.54	36.92	37.07	36.97
TURBIDITY (NTU)								
VISUAL OBSERVATION	Brown, Silty	Clear		Clear			Clear	Clear

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW-FF

SITE LOCATION: 245-265 Hollenbeck St., 271 Hollenbeck St., 50 Balfour Dr., Rochester JOB#: 5211S-16

DATE/ TIME	4/10/17 14:15	4/10/17 14:25	4/10/17 14:35					
EVACUATION METHOD	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump					
PID/FID (PPM)								
DEPTH OF WELL (FT)			12.3					
STATIC WATER LEVEL (SWL) FT			5.74					
VOLUME EVACUATED (GAL)	1.5	1.5	1.5					
TOTAL VOLUME EVACUATED (GAL)	12.0	13.5	15.0					
TEMPERATURE (^{O}C)	18.0	18.0	18.0					
pH	6.36	6.34	6.33					
ORP (mV)	-54.2	-55.6	-56.2					
CONDUCTIVITY (ms/cm)	35.89	37.05	37.95					
TURBIDITY (NTU)								
VISUAL OBSERVATION	Clear	Clear	Clear					

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

WELL DEVELOPMENT DATA
MW-11

SITE LOCATION: 245-265 Hollenbeck St., 271 Hollenbeck St., 50 Balfour Dr., Rochester JOB#: 5211S-16

DATE/ TIME	4/10/17 12:20	4/10/17 12:15	4/10/17 12:28	4/10/17 12:31	4/10/17 12:35	4/10/17 12:38	4/10/17 12:41	
EVACUATION METHOD	Bailer	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	Peristaltic Pump	
PID/FID (PPM)	6.1							
DEPTH OF WELL (FT)	12.5						12.6	
STATIC WATER LEVEL (SWL) FT							6.3	
VOLUME EVACUATED (GAL)	1.00	0.5	0.5	0.5	0.5	0.5	0.5	
TOTAL VOLUME EVACUATED (GAL)	1.00	1.5	2.0	2.5	3.0	3.5	4.0	
TEMPERATURE (^{O}C)	21.4	21.3	21.3	21.3	21.3	21.3	21.3	
pH	7.54	7.17	7.07	7.02	7.01	7.01	7.03	
ORP (mV)	-5.6	-173.6	-178	-184.5	-188.4	-192.5	-195.8	
CONDUCTIVITY (ms/cm)	6.52	6.03	6.11	6.20	6.31	6.40	6.47	
TURBIDITY (NTU)								
VISUAL OBSERVATION	Muddy, Brown	~Clearer	~Clearer	~Clearer		Clearer, but still slightly cloudy		

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

APPENDIX H

Monitoring Well Sampling Logs

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-1

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/27/16

SAMPLE COLLECTOR(S): S. Reese

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 4-13

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.63 / 5-23-16

WELL DEPTH [FT BGS]: 13
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 10.3

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: YSI ProDSS

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 120

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.78

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:05	120	7.78	1.86	86	18	2.398	7.10	18.6	600
12:10	120	7.78	0.95	68.7	9.1	2.412	6.93	17.0	1200
12:15	120	7.78	0.77	60.9	3.6	2.453	6.88	16.5	1800
12:20	120	7.78	0.70	57.2	1.7	2.484	6.88	16.2	2400
12:25	120	7.78	0.66	55.8	0.9	2.507	6.88	16.2	3000
12:30	120	7.78	0.64	54.8	0.6	2.523	6.88	16.2	3600

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
084 - MW-1	5-27-16 / 13:00	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-1R

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/27/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 1.2

MEASURING POINT (for water levels): TOC

CASING TYPE: Steel

WELL DIAMETER (INCHES): 3 7/8

SCREENED INTERVAL [FT BGS]: 13.5 – 28.5

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.53 / 5-23-16

WELL DEPTH [FT BGS]: 28.5
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 23.5

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Slight Brown color

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: YSI ProDSS

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 4

CONTROL BOX REFILL RATE: 6

STABILIZED PUMP RATE (ml/min): 60

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.82

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:05	60	7.82	0.76	-181.1	21.1	2.396	7.26	18.1	400
11:10	60	7.82	0.71	-184.5	21.9	2.402	7.20	18.4	700
11:15	60	7.82	0.68	-186.2	19.9	2.403	7.21	18.2	1000
11:20	60	7.82	0.66	-185.4	13.7	2.403	7.21	18.1	1300
11:25	60	7.82	0.64	-186.1	17.0	2.402	7.20	18.3	1600
11:30	60	7.82	0.62	-185.9	11.6	2.399	7.20	18.3	1900
11:35	60	7.82	0.62	185.9	8.5	2.399	7.20	18.1	2200
11:40	60	7.82	0.61	-185.7	7.7	2.399	7.19	18.1	2500

SAMPLE OBSERVATIONS: Slight brown color

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
083 - MW-1R	5-27-16 / 12:55	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-3

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/26/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 75° F, cloudy

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 5-13

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.78 / 5-23-16

WELL DEPTH [FT BGS]: 13
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 10.3

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: NC

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: YSI ProDSS

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 2

STABILIZED PUMP RATE (ml/min): 160

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.90

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
10:19	150	7.89	0.77	59.1	1.0	2.101	6.90	16.8	800
10:23	150	7.90	0.78	50.6	8.9	2.099	6.87	16.9	1400
10:26	150	7.90	0.70	33.2	1.2	2.096	6.87	16.9	1850
10:29	160	7.90	0.68	8.0	1.4	2.085	6.87	16.9	2330
10:32	160	7.90	0.67	-14.1	1.5	2.074	6.87	16.8	2810
10:35	160	7.90	0.65	-29.0	2.0	2.067	6.87	17.1	3290
10:38	160	7.90	0.64	-43.0	2.8	2.056	6.88	17.1	3770
10:41	160	7.90	0.64	-44.8	2.6	2.057	6.80	17.1	4250
10:44	160	7.90	0.64	-46.1	3.2	2.045	6.80	17.1	4730

SAMPLE OBSERVATIONS: NC

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
075 - MW-3	5-26-16 / 11:00	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-3R

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/26/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 75° F, cloudy

PID READING IN WELL HEADSPACE (PPM): 1.5

MEASURING POINT (for water levels): TOC

CASING TYPE: Steel

WELL DIAMETER (INCHES): 3 7/8

SCREENED INTERVAL [FT BGS]: 13.5 – 28.5

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.80 / 5-23-16

WELL DEPTH [FT BGS]: 28.5
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 23.5

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: YSI ProDSS

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 3

STABILIZED PUMP RATE (ml/min): 130

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.91

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
8:11	120	7.91	0.84	95.2	30.7	2.135	6.89	16.0	800
8:15	130	7.91	0.76	88.1	32.0	2.134	6.89	15.9	1320
8:19	130	7.91	0.73	79.7	29.0	2.132	6.89	15.9	1840
8:24	130	7.91	0.72	74.2	30.6	2.133	6.89	16.0	2490
8:28	130	7.91	0.72	72.6	27.7	2.132	6.89	16.0	3010

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
072 - MW-3R	5-26-16 / 8:55	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-5

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/26/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 75° F, cloudy

PID READING IN WELL HEADSPACE (PPM): 0.4

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 5.4 – 13.4

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.69 / 5-23-16

WELL DEPTH [FT BGS]: 13.5
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 10.5

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: NC

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: YSI ProDSS

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 5

CONTROL BOX REFILL RATE: 10

STABILIZED PUMP RATE (ml/min): 40

STABILIZED DRAWDOWN WATER LEVEL [FT]: 8.23

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:33	45	8.23	0.82	-80.3	17.9	1.892	7.05	16.6	300
12:38	45	8.24	0.74	-85.4	12.6	1.882	7.05	16.8	525
12:43	45	8.24	0.68	-91.8	21.0	1.857	7.05	16.7	750
12:54	45	8.28	0.67	-96.6	18.3	1.840	7.05	17.0	1245
13:01	40	8.20	0.64	-92.6	14.4	1.830	7.06	18.3	1525
13:05	40	8.25	0.64	-98.2	18.2	1.803	7.05	17.8	1685
13:09	40	8.25	0.64	-100.3	18.7	1.793	7.05	17.9	1845
13:13	40	8.25	0.63	-102.2	18.9	1.779	7.05	17.6	2005

SAMPLE OBSERVATIONS: NC

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
077 - MW-5	5-26-16 / 14:15	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-6

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/27/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 0.1

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 6 - 16

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 11.91 / 5-24-16

WELL DEPTH [FT BGS]: 16
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 13

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: YSI ProDSS

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 4

CONTROL BOX REFILL RATE: 6

STABILIZED PUMP RATE (ml/min): 75

STABILIZED DRAWDOWN WATER LEVEL [FT]: 11.24

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
8:37	75	11.25	0.86	275.2	1.3	2.268	6.30	18.3	300
8:42	75	11.25	0.77	270.1	0.4	2.285	6.30	18.4	675
8:47	75	11.24	0.69	256.1	0.3	2.347	6.32	18.5	1050
8:52	75	11.24	0.67	248.3	0.1	2.430	6.34	18.6	1425
8:57	75	11.24	0.65	240.4	0.1	2.524	6.35	18.7	1800
9:02	75	11.24	0.63	232.6	0.2	2.675	6.36	18.6	2175

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
082 - MW-6	5-27-16 / 9:50	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-7R

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/23/16

SAMPLE COLLECTOR(S): S. Reese

WEATHER: 73° F, clear

PID READING IN WELL HEADSPACE (PPM): 0.5

MEASURING POINT (for water levels): TOC

CASING TYPE: Steel

WELL DIAMETER (INCHES): 3 7/8

SCREENED INTERVAL [FT BGS]: 14 - 29

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 8.52 / 5-23-16

WELL DEPTH [FT BGS]: 29
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 24

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1

CONTROL BOX REFILL RATE: 2

STABILIZED PUMP RATE (ml/min): 250

STABILIZED DRAWDOWN WATER LEVEL [FT]: 8.70

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
14:43	250	8.71	2.26	-34	916	0.15	6.53	14.6	2800
14:48	250	8.72	1.73	-42	460	0.144	6.39	14.4	4050
14:53	250	8.72	2.45	-46	400	0.143	6.32	14.3	5300
14:58	250	8.72	7.95	-53	443	0.142	6.28	14.3	6550
15:04	250	8.72	5.54	-55	414	0.142	6.18	14.3	8050
15:09	250	8.92	4.44	-55	355	0.140	6.18	14.5	9300

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
062 - MW-7R	5-23-16 / 16:26	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-8

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/23/16

SAMPLE COLLECTOR(S): S. Reese / H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 6.9

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 9 – 14

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 8.57 / 5-23-16

WELL DEPTH [FT BGS]: 15
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 11.5

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: YSI Quartz Plus

WATER LEVEL METER: Solinst Mini

PUMP TYPE: ND

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 3

STABILIZED PUMP RATE (ml/min): 160

STABILIZED DRAWDOWN WATER LEVEL [FT]: 8.61

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
15:43	160	8.61	0.38	-104.0	NA	1.72	7.01	14.4	1500
15:46	160	8.61	0.24	-101.0	NA	1.64	6.97	14.3	1980
15:52	160	8.61	0.15	-100.3	NA	1.57	7.00	14.2	2940
15:55	160	8.60	0.13	-100.9	NA	1.54	7.02	14.0	3420
15:59	160	8.61	0.10	-101.4	NA	1.52	7.02	14.0	4060
16:02	160	8.61	0.10	-101.5	NA	1.52	7.01	14.0	4540
16:05	160	8.61	0.10	-101.7	NA	1.51	7.02	14.1	5020

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
063 - MW-8	5-23-16 / 16:25	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

NA = Not available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-9

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 7/13/2016

SAMPLE COLLECTOR(S): S. Reese

WEATHER: 85º F, Sunny

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 9.0-14.0

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured 9.69 / 7-13-16

WELL DEPTH [FT BGS]: 14.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 12.0

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-53-2

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 120

STABILIZED DRAWDOWN WATER LEVEL [FT]: 9.71

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
9:55	120	9.71	1.21	-127	85.0	1.97	7.27	20.07	600
10:00	120	9.71	1.14	-104	81.1	2.00	6.73	17.81	1200
10:05	120	9.71	0.80	-106	31.8	1.91	6.69	17.75	1800
10:10	120	9.71	0.74	-112	14.4	1.87	6.70	17.70	2400
10:15	120	9.71	0.71	-115	5.85	1.85	6.74	17.40	3000
10:20	120	9.71	0.69	-114	3.26	1.83	6.72	17.49	3600
10:25	120	9.71	0.66	-114	1.80	1.82	6.72	17.60	4200
10:30	120	9.71	0.65	-114	1.79	1.82	6.72	17.63	4800
	SAMPLE OBSERVATIONS: Clear								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
102-MW-9	7-13-16 / 11:00	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-10

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/25/16

SAMPLE COLLECTOR(S): S. Reese / H. McLennan

WEATHER: 75° F, overcast

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 9 – 14

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 10.00 / 5-25-16

WELL DEPTH [FT BGS]: 14
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 12.0

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 110

STABILIZED DRAWDOWN WATER LEVEL [FT]: 10.31

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
13:15	130	10.27	1.43	-48	205	94.4	6.35	13.1	1500
13:20	130	10.30	1.07	-51	186	93.4	8.28	13.0	2150
13:25	110	10.31	5.05	-61	129	92.7	6.19	13.1	2700
13:30	110	10.31	2.50	-69	116	92.5	6.16	13.2	3250
13:35	110	10.31	1.85	-75	94.4	92.4	6.14	13.4	3800
13:40	110	10.31	1.57	-78	82.6	92.5	6.13	13.0	4350
13:45	110	10.31	1.33	-80	78.2	92.9	6.13	13.2	4900
13:50	110	10.31	1.22	-83	73.6	93.6	6.13	13.2	5450
13:55	110	10.31	1.20	-89	70.0	95.7	6.13	13.2	6000

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
071 - MW-10	5-25-16 / 14:40	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-10R

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/25/16

SAMPLE COLLECTOR(S): S. Reese / H. McLennan

WEATHER: 75° F, cloudy

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): TOC

CASING TYPE: Steel

WELL DIAMETER (INCHES): 3 7/8

SCREENED INTERVAL [FT BGS]: 14 – 29

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 10.26 / 5-23-16

WELL DEPTH [FT BGS]: 29
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 24

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-53

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 3

STABILIZED PUMP RATE (ml/min): 100

STABILIZED DRAWDOWN WATER LEVEL [FT]: 10.37

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
13:44	100	10.36	NA	-169	19.5	2.32	7.28	21.81	800
13:45	100	10.37	NA	-174	14.1	2.38	7.29	21.16	900
13:49	100	10.37	NA	-178	11.2	2.40	7.30	20.84	1300
13:53	100	10.37	NA	-179	14.4	2.41	7.30	20.88	1700
13:57	100	10.37	NA	-180	14.3	2.40	7.30	20.58	2100
14:01	100	10.37	NA	-182	13.4	2.40	7.30	20.52	2500

SAMPLE OBSERVATIONS: Slight red color

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
070 - MW-10R	5-25-16 / 13:30	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

NA= Not Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-12

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/25/16

SAMPLE COLLECTOR(S): S. Reese / H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 9 - 14

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 9.97 / 5-23-16

WELL DEPTH [FT BGS]: 14
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 12

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 100

STABILIZED DRAWDOWN WATER LEVEL [FT]: 10.10

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
10:50	100	10.12	4.18	4	73.2	0.237	6.47	15.6	2000
10:55	100	10.12	4.42	-9	69.6	0.241	6.35	15.5	2500
11:00	100	10.10	3.00	-11	64.4	0.251	6.30	15.4	3000
11:05	100	10.10	2.45	-13	62.3	0.261	6.27	15.5	3500
11:10	100	10.10	2.09	-12	62.3	0.288	6.25	15.4	4000
11:15	100	10.10	2.00	-10	61.8	0.425	6.25	15.3	4500
11:20	100	10.10	1.90	-8	61.8	1.22*	6.24	15.3	5000
11:25	100	10.10	1.80	-8	61.1	9.04*	6.23	15.4	5500

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
069 - MW-12	5-25-16 / 12:10	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

*Suspected equipment malfunction

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-12R

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/25/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): TOC

CASING TYPE: Steel

WELL DIAMETER (INCHES): 3 7/8

SCREENED INTERVAL [FT BGS]: 14.5 – 29.5

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 9.25 / 5-23-16

WELL DEPTH [FT BGS]: 29.5
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 24.5

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-53

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 5

CONTROL BOX REFILL RATE: 10

STABILIZED PUMP RATE (ml/min): 40

STABILIZED DRAWDOWN WATER LEVEL [FT]: 9.90

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
10:25	50	9.91	7.35	-113	NA	2.76	7.18	17.81	1100
10:30	50	9.95	7.25	-116	NA	2.72	7.22	18.36	1350
10:35	30	9.95	6.50	-116	NA	2.78	7.22	19.50	1500
10:40	30	9.92	6.18	-117	NA	2.82	7.22	19.92	1650
10:45	40	9.95	5.89	-126	NA	2.81	7.24	20.12	1850
10:50	40	9.90	5.44	-128	NA	2.92	7.24	20.57	2050
10:55	40	9.90	5.63	-134	NA	2.93	7.28	20.74	2250
11:00	40	9.90	5.44	-147	NA	2.96	7.28	20.62	2450
	SAMPLE OBSERVATIONS: Clear								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
068 - MW-12R	5-25-16 / 12:00	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

NA = Not Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-13

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/24/16

SAMPLE COLLECTOR(S): S. Reese

WEATHER: 70° F, clear

PID READING IN WELL HEADSPACE (PPM): NC

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2”

SCREENED INTERVAL [FT BGS]: 8.5 – 13.5

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured 12.50 / 5-23-16

WELL DEPTH [FT BGS]: 13.5
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 11.9

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 3

CONTROL BOX REFILL RATE: 7

STABILIZED PUMP RATE (ml/min): 50

STABILIZED DRAWDOWN WATER LEVEL [FT]: 12.62

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
10:45	50	12.62	3.07	84	54.0	52.3	6.47	14.8	400
10:50	50	12.62	1.74	80	53.4	59.6	6.35	14.5	650
10:55	50	12.62	1.45	79	57.9	70.6	6.26	15.0	900
11:00	50	12.62	1.10	79	58.7	92.4	6.24	14.7	1150
11:05	50	12.62	1.45	77	64.0	99.9	6.24	15.1	1400
11:10	50	12.62	1.45	79	62.3	99.9	6.24	15.4	1650
11:15	50	12.62	0.75	82	70.3	95	6.24	15.3	1900
11:20	50	12.62	1.10	83	72.5	109	6.23	15.1	2150
11:25	50	12.62	1.16	83	76.1	112	6.21	15.1	2400
11:30	50	12.62	1.12	84	78.7	117	6.20	15.4	2650
	SAMPLE OBSERVATIONS: Clear								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
065 - MW-13	5-24-16 / 13:00	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-13R

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/24/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 73° F, clear

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): TOC

CASING TYPE: Steel

WELL DIAMETER (INCHES): 3 7/8

SCREENED INTERVAL [FT BGS]: 14.5 – 29.5

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 11.72 / 5-23-16

WELL DEPTH [FT BGS]: 29.5
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 24.5

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: NC

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-53-2

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 4

CONTROL BOX REFILL RATE: 6

STABILIZED PUMP RATE (ml/min): 100

STABILIZED DRAWDOWN WATER LEVEL [FT]: 12.05

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:45	80	12.05	1.03	-200	185	0.171	6.47	13.9	3500
11:50	100	12.04	0.80	-209	189	0.168	6.42	13.8	4000
11:55	100	12.05	0.49	-210	184	0.167	6.40	13.9	4500
12:00	100	12.04	0.41	-208	183	0.167	6.40	14.1	5000
12:05	100	12.05	0.37	-209	186	0.167	6.41	14.2	5500
12:10	100	12.05	0.35	-200	194	0.167	6.41	14.4	6000

SAMPLE OBSERVATIONS: NC

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
064 - MW-13R	5-24-16 / 12:30	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-16

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/31/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): NC

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 7.3 – 11.3

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.85 / 5-31-16

WELL DEPTH [FT BGS]: 11.3
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 9.8

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: YSI Pro DSS

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 100

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.36

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
13:41	90	7.38	1.03	93.0	1.1	3.451	6.83	20.5	900
13:46	100	7.38	0.88	27.8	0.7	3.240	6.83	20.4	1400
13:51	100	7.39	0.81	9.4	0.5	3.121	6.83	20.4	1900
13:56	100	7.38	0.77	-13.2	0.4	2.974	6.83	20.5	2400
14:01	100	7.36	0.74	-18.7	0.2	2.921	6.83	20.6	2900
14:06	100	7.36	0.70	-21.3	0.2	2.850	6.83	20.6	3400
14:11	100	7.36	0.68	-24.7	0.2	2.792	6.84	20.6	3900
	SAMPLE OBSERVATIONS: Clear								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
089 - MW-16	5-31-16 / 15:00	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-17

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 6/1/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 12.7

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 7.46 – 12.46

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured 8.64 / 5-23-2016

WELL DEPTH [FT BGS]: 12.46
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 10.7

LNAPL: 0.05 ft thick

DNAPL: NC

OTHER OBSERVATIONS: Odor

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: YSI Pro DSS

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 100

STABILIZED DRAWDOWN WATER LEVEL [FT]: 8.48

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:41	100	8.48	0.64	-149.5	85.2	3.970	6.83	19.9	800
11:46	100	8.48	0.55	-154.5	86.4	4.226	6.82	19.8	1300
11:51	100	8.48	0.53	-158.1	88.9	4.434	6.82	19.8	1800
11:56	100	8.48	0.52	-160.1	96.9	4.530	6.82	19.8	2400
12:01	100	8.48	0.52	-162.7	108.5	4.043	6.83	19.8	2800
12:06	100	8.48	0.51	-164.5	118.9	4.695	6.83	19.8	3300

SAMPLE OBSERVATIONS: NC

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
095 - MW-17	6-1-16 / 12:45	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-18

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/30/16

SAMPLE COLLECTOR(S): S. Reese / H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): NC

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 7.1 – 12.1

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured 8.78 / 5-23-16

WELL DEPTH [FT BGS]: 12.1
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 10.7

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: NC

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 130

STABILIZED DRAWDOWN WATER LEVEL [FT]: 8.57

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
9:10	130	8.58	9.30	141	64.2	45.0	6.48	17.4	500
9:15	130	8.58	6.35	40	63.0	56.5	6.32	17.3	1150
9:20	130	8.57	3.83	4	59.7	98	6.26	17.3	1800
9:25	130	8.57	2.65	-9	55.6	181	6.23	17.3	2450
9:30	130	8.57	1.04	-17	55.7	NA	6.20	17.3	3100
9:35	130	8.57	0.86	-24	52.8	NA	6.20	17.3	3750
9:40	130	8.57	0.66	-30	50.1	NA	6.19	17.3	4400
9:45	130	8.57	0.56	-36	49.1	NA	6.19	17.3	5050
9:50	130	8.57	0.57	-37	51.6	NA	6.20	17.3	5700

SAMPLE OBSERVATIONS: NC

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
090 - MW-18	5-31-16 / 11:20	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

NA = Not Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-19

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/24/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 0.7

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT BGS]: 5.5 – 10.5

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.30 / 5-23-16

WELL DEPTH [FT BGS]: 11
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 8.9

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 4

CONTROL BOX REFILL RATE: 6

STABILIZED PUMP RATE (ml/min): 50

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.35

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
14:27	50	7.34	2.20	45	53.4	0.328	6.40	18.9	400
14:32	50	7.34	1.39	52	54.2	1.25	6.31	17.7	650
14:37	50	7.34	0.74	55	76.6	NA	6.27	17.6	900
14:42	50	7.35	0.99	57	188.0	NA	6.24	18.3	1150
14:59	50	7.35	0.71	55	189	NA	6.25	20.5	2000
15:04	50	7.35	0.68	57	223	NA	6.25	20.3	2250
15:09	50	7.35	0.63	58	232	NA	6.26	20.3	2500
15:14	50	7.35	0.55	60	241	NA	6.25	20.1	2750
15:21	50	7.35	0.51	60	248	NA	6.25	20.3	3100
15:26	50	7.35	0.50	61	244	NA	6.25	20.1	3350

SAMPLE OBSERVATIONS: NC

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
066 - MW-19	5-24-16 / 16:00	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

NA = Not Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-19R

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/24/16

SAMPLE COLLECTOR(S): S. Reese

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 1.0

MEASURING POINT (for water levels): TOC

CASING TYPE: Steel

WELL DIAMETER (INCHES): 3 7/8

SCREENED INTERVAL [FT BGS]: 13.5 – 28.5

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.01 / 5-23-16

WELL DEPTH [FT BGS]: 28.5
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 23.5

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: NC

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 120

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.15

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
15:10	120	7.75	0.0	-118	43.2	0.262	7.32	16.48	500
15:35	120	7.15	5.00	-120	73.4	0.277	6.19	14.8	3500
15:40	120	7.15	4.36	-128	86.7	0.269	6.26	14.7	4100
15:45	120	7.15	2.28	-132	101.0	0.268	6.25	14.6	4700
15:50	120	7.15	1.20	-135	110.0	0.267	6.25	14.6	5300
15:55	120	7.15	0.81	-136	112.0	0.267	6.24	14.5	5900
16:00	120	7.15	0.65	-138	112.0	0.267	6.24	14.5	6500
16:05	120	7.15	0.63	-139	116.0	0.270	6.24	14.6	7100

SAMPLE OBSERVATIONS: NC

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
067 - MW-19R	5-24-16 / 16:40	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-B

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 6/1/16

SAMPLE COLLECTOR(S): S. Reese / H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 13.9

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT BGS]: 6.3 – 11.3

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.41 / 5-23-16

WELL DEPTH [FT BGS]: 11.6
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 9.35

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 90

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.80

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
9:20	90	7.80	0.00	119	71.9	0.159	6.48	19.5	400
9:25	90	7.80	0.00	118	65.8	0.252	6.42	19.5	850
9:30	90	7.80	0.15	116	59.4	NA	6.33	19.4	1300
9:35	90	7.80	0.31	112	55.5	NA	6.30	19.4	1750
9:40	90	7.80	0.14	105	50.0	NA	6.26	19.3	2200
9:45	90	7.80	0.67	94	59.4	NA	6.24	19.3	2650
9:50	90	7.80	0.70	82	58.9	NA	6.24	19.3	3100
9:55	90	7.80	0.64	71	58.7	NA	6.23	19.3	3550
10:00	90	7.80	0.49	63	58.5	NA	6.23	19.3	4000
10:05	90	7.80	0.45	63	58.2	NA	6.23	19.3	4450

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
092 - MW-B	6-1-16 / 10:55	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

NA = Not Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-D

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/31/16

SAMPLE COLLECTOR(S): S. Reese

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 255

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT BGS]: 7.2 – 12.2

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.79 / 5-23-16

WELL DEPTH [FT BGS]: 12.2
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 10.1

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Heron

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 130

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.81

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
13:30	130	7.82	0.67	40	75.3	0.181	6.70	19.4	500
13:35	130	7.81	0.54	-9	61.7	0.786	6.48	18.6	1150
13:40	130	7.81	0.32	-19	58.6	NA	6.35	18.4	1800
13:45	130	7.81	0.37	-24	58.6	NA	6.27	18.4	2450
13:50	130	7.81	0.30	-26	60.8	NA	6.24	18.4	3100
13:55	130	7.81	0.30	-26	66.0	NA	6.23	18.3	3750
14:00	130	7.81	0.29	-27	65.3	NA	6.23	18.3	4400

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
088 - MW-D	5-31-16 / 14:40	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

NA = Not Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-G

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/26/16

SAMPLE COLLECTOR(S): S. Reese / H. McLennan

WEATHER: 75° F, overcast

PID READING IN WELL HEADSPACE (PPM): 48.1

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT BGS]: 5 – 15

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured 8.08 / 5-23-16

WELL DEPTH [FT BGS]: 15
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 11.8

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 105

STABILIZED DRAWDOWN WATER LEVEL [FT]: 8.21

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
14:35	105	8.21	1.85	81	64.8	0.150	6.43	18.3	2400
14:40	105	8.21	0.86	81	62.8	0.148	6.37	18.4	2925
14:45	105	8.21	0.27	82	65.8	0.149	6.32	18.4	3450
14:50	105	8.21	0.13	82	66.6	0.163	6.29	18.3	3975
14:55	105	8.21	0.15	71	68.2	3.76	6.28	18.3	4500
15:00	105	8.21	0.27	32	68.3	NA	6.26	18.3	5025
15:05	105	8.21	0.27	26	68.3	NA	6.25	18.3	5550
15:10	105	8.21	0.28	16	6.81	NA	6.26	18.2	6075
15:15	105	8.21	0.25	8	69.9	NA	6.27	18.3	6600
15:18	105	8.21	0.29	7	70.2	NA	6.26	18.2	6915
15:21	105	8.21	0.30	7	70.6	NA	6.27	18.2	7230
	SAMPLE OBSERVATIONS: Clear								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
078 - MW-G	5-26-16 / 16:05	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

NA = Not Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-H

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/26/16

SAMPLE COLLECTOR(S): S. Reese

WEATHER: 75° F, cloudy

PID READING IN WELL HEADSPACE (PPM): 0.4

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT BGS]: 6.5 – 11.5

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.11 / 5-23-16

WELL DEPTH [FT BGS]: 11.5
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 9.5

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1

CONTROL BOX REFILL RATE: 19

STABILIZED PUMP RATE (ml/min): 10

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.91

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
9:25	10	7.88	3.08	-61	102.0	43.2	6.43	26.4*	300
9:30	10	7.88	3.16	-55	103	51.6	6.44	26.4*	350
9:35	10	7.88	3.11	-42	105	99.9	6.44	26.6*	400
9:40	10	7.90	3.26	-63	102	99.9	6.44	26.9*	450
9:45	10	7.90	2.83	-55	103	50.1	6.47	27.8*	500
9:50	10	7.90	2.98	-67	103	51.0	6.48	28.8*	550
9:55	10	7.91	2.98	-59	103	55.4	6.50	29.7*	600
10:00	10	7.91	2.92	-60	105	99.9	6.50	30.4*	650

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
074 - MW-H	5-26-16 / 10:55	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

*Temperature readings may have been influenced by ambient termperature

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-M

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/26/16

SAMPLE COLLECTOR(S): S. Reese

WEATHER: 75° F, overcast

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT BGS]: 7.5 – 12.5

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 7.51 / 5-23-16

WELL DEPTH [FT BGS]: 12.5
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 10

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 60

STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.71

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:25	75	7.67	2.42	-87	131	72.5	6.78	14.7	1500
12:30	60	7.67	1.26	-85	98.6	93.2	6.55	14.6	1800
12:35	60	7.71	0.16	-87	94.5	122	6.49	14.7	2100
12:40	60	7.71	0.15	-90	91.8	125	6.44	14.7	2400
12:45	60	7.71	0.08	-91	90.7	245	6.39	14.8	2700
12:50	60	7.71	0.09	-92	91.3	NA	6.35	14.5	3000
12:55	60	7.71	0.24	-92	92.0	NA	6.33	15.0	3300
13:00	60	7.71	0.25	-93	91.8	NA	6.32	15.2	3600
	SAMPLE OBSERVATIONS: Clear								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
076 - MW-M	5-26-16 / 13:00	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

NA = Not Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-P

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/27/16

SAMPLE COLLECTOR(S): S. Reese / H. McLennan

WEATHER: 75° F, sunny

PID READING IN WELL HEADSPACE (PPM): 0.0

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT BGS]: 8.8 – 13.8

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 10.79 / 5-23-16

WELL DEPTH [FT BGS]: 13.8
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 12.3

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-10

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 2

CONTROL BOX REFILL RATE: 4

STABILIZED PUMP RATE (ml/min): 100

STABILIZED DRAWDOWN WATER LEVEL [FT]: 11.01

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
8:20	100	10.97	9.21	124	129.0	0.169	6.53	14.6	1000
8:25	100	11.01	1.26	127	110.0	0.160	6.42	13.8	1500
8:30	100	11.01	1.09	128	109.0	0.160	6.36	13.7	2000
8:35	100	11.01	0.99	129	107.0	0.161	6.30	13.6	2500
8:40	100	11.01	1.06	127	106.0	0.168	6.28	13.6	3000
8:45	100	11.01	1.06	122	106.0	0.500	6.26	13.6	3500
8:50	100	11.01	0.72	1.5	106.0	NA	6.23	13.7	4000
8:55	100	11.01	0.81	93	106.0	NA	6.23	13.9	4500
9:00	100	11.01	0.80	91	105.0	NA	6.23	13.8	5000
9:05	100	11.01	0.82	91	105.0	NA	6.23	13.9	5500

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
081 - MW-P	5-27-16 / 11:30	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

NA = Not Available

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-Q

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck, 50 Balfour Drive, Rochester, NY

JOB # 5211S-16

PROJECT NAME: RIFS

DATE: 5/31/16

SAMPLE COLLECTOR(S): H. McLennan

WEATHER: 75° F, clear

PID READING IN WELL HEADSPACE (PPM): 12.0

MEASURING POINT (for water levels): TOC

CASING TYPE: PVC

WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT BGS]: 7.2 – 12.2

INITIAL WATER LEVEL (SWL) [FT]: SWL / Date Measured: 8.53 / 5-23-16

WELL DEPTH [FT BGS]: 12.2
(Do NOT Measure Well depth Prior To Purging And Sampling)

DEPTH OF PUMP INTAKE [FT BGS]: 10.6

LNAPL: ND

DNAPL: ND

OTHER OBSERVATIONS: Brown

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: MP-50

TUBING TYPE: LDPE

WATER QUALITY METER: Horiba U-22

WATER LEVEL METER: Solinst Mini

PUMP TYPE: Bladder

PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 4

CONTROL BOX REFILL RATE: 6

STABILIZED PUMP RATE (ml/min): 75

STABILIZED DRAWDOWN WATER LEVEL [FT]: 8.7

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (S/m)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
10:15	75	8.70	0.19	-248	73.2	0.174	6.81	21.3	300
10:20	75	8.70	0.61	-293	61.1	0.248	6.88	21.2	675
10:25	75	8.70	0.70	-312	52.7	0.243	6.89	21.3	1050
10:30	75	8.70	0.73	-327	48.4	0.246	6.95	21.3	1425
10:35	75	8.70	0.70	-335	48.1	0.241	6.96	21.2	1800

SAMPLE OBSERVATIONS: NC

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
087 - MW-Q	5-31-16 / 11:30	Bladder Pump	SVOC, VOC, PCB, Pesticides, CN, Metals

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-Q

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St., 271 Hollenbeck St., 50 Balfour Dr., Rochester **JOB #** 5211S-16

PROJECT NAME: RIFS **DATE:** 10/12/16

SAMPLE COLLECTOR(S): S. Reese **WEATHER:** 50°F, Cloudy

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** TOC

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1

SCREENED INTERVAL [FT BGS]: 7.2-12.2 **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 10.01 / 10-12-16

WELL DEPTH [FT BGS]: 12.2 **DEPTH OF PUMP INTAKE [FT BGS]:** 10.6
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** ND **OTHER OBSERVATIONS:** Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Poly (Water) , 1/8" Poly (Air)

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Solinst Mini

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 4 **CONTROL BOX REFILL RATE:** 6

STABILIZED PUMP RATE (ml/min): 75 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 10.05

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft) (<0.33 ft)	DO (mg/L) (±10%)	ORP (mv) (±10 mV)	Turbidity (NTU) (±10 NTUs, if >10 NTU)	Conductivity (S/cm) (±3%)	pH (±0.1)	Temp. (C^0) (±10%)	Total Vol. Pumped (ml)
8:50	75	10.05	0.53	-222	0.0	0.318	10.07	21.0	200
8:55	75	10.05	0.43	-252	0.0	0.308	10.38	21.1	575
9:00	75	10.05	0.16	-275	0.0	0.303	10.57	21.2	950
9:05	75	10.05	0.25	-295	0.0	0.300	10.73	21.2	1325
9:10	75	10.05	0.32	-307	0.0	0.299	10.83	21.2	1700
9:15	75	10.05	0.41	-317	0.0	0.298	10.89	21.2	2075
9:20	75	10.05	0.44	-325	0.0	0.298	10.93	21.2	2450
9:25	75	10.05	0.48	-330	0.0	0.297	10.96	21.3	2825
9:30	75	10.05	0.54	-335	0.0	0.297	10.97	21.3	3200
9:35	75	10.05	0.50	-336	0.0	0.297	10:97	21.3	3575
	SAMPLE OBSERVATIONS: Sample clear								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
130-MW-Q	10-12-16 / 10:25	Bladder Pump	VOCs, SVOCs, Metals

NM = Not Measured

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-17

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St, 271 Hollenbeck St, 50 Balfour Dr., Rochester **JOB #** 5211S-16

PROJECT NAME: RIFS **DATE:** 10-12-16

SAMPLE COLLECTOR(S): S. Reese **WEATHER:** 60°F, Cloudy

PID READING IN WELL HEADSPACE (PPM): NM **MEASURING POINT (for water levels):** TOC

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 7.46-12.46 **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 10.03 / 10-12-16

WELL DEPTH [FT BGS]: 12.46 **DEPTH OF PUMP INTAKE [FT BGS]:** 10.7

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: 0.01 ft. thick **DNAPL:** ND **OTHER OBSERVATIONS:** Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Poly (Water) , 1/8" Poly (Air)

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Solinst Mini

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2 **CONTROL BOX REFILL RATE:** 4

STABILIZED PUMP RATE (ml/min): 140 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 10.10

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft) (<0.33 ft)	DO (mg/L) (±10%)	ORP (mv) (±10 mV)	Turbidity (NTU) (±10 NTUs, if >10 NTU)	Conductivity (S/cm) (±3%)	pH (±0.1)	Temp. (C^0) (±10%)	Total Vol. Pumped (ml)
12:15	140	10.10	0.00	-159	0.0	0.413	8.97	20.9	400
12:20	140	10.10	0.05	-163	0.0	0.433	9.01	20.9	1100
12:25	140	10.10	0.20	-167	0.0	0.457	9.08	20.9	1800
12:30	140	10.10	0.24	-168	0.0	0.470	9.06	20.9	2500
12:35	140	10.10	0.30	-169	0.0	0.479	9.05	20.9	3200
12:40	140	10.10	0.30	-171	0.0	0.480	9.05	20.9	3900
12:45	140	10.10	0.30	-171	0.0	0.480	9.05	20.9	4600

SAMPLE OBSERVATIONS: Sample clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
132-MW-17	10-12-16 / 12:55	Bladder Pump	VOCs, SVOCs

NM = Not Measured

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-Q

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St., 271 Hollenbeck St., 50 Balfour Dr., Rochester **JOB #** 5211S-16

PROJECT NAME: RIFS **DATE:** 4/24/17

SAMPLE COLLECTOR(S): Sean Reese **WEATHER:** 48°F, Partly Cloudy

PID READING IN WELL HEADSPACE (PPM): 3.5 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1

SCREENED INTERVAL [FT BGS]: 7.2-12.2 **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 7.18 / 4-24-17

WELL DEPTH [FT BGS]: 12.2 **DEPTH OF PUMP INTAKE [FT BGS]:** 10.6
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** ND **OTHER OBSERVATIONS:** Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Poly (Water) , 1/8" Poly (Air)

WATER QUALITY METER: YSI Pro DSS **WATER LEVEL METER:** Solinst

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 4 **CONTROL BOX REFILL RATE:** 6.0

STABILIZED PUMP RATE (ml/min): 75 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 7.22

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft) (<0.33 ft)	DO (mg/L) (±10%)	ORP (mv) (±10 mV)	Turbidity (NTU) (±10 NTUs, if >10 NTU)	Conductivity (mS/cm) (±3%)	pH (±0.1)	Temp. (C^0) (±10%)	Total Vol. Pumped (ml)
12:55	75	7.22	.37	-181	9.7	2.707	7.73	19.7	100
13:00	75	7.22	-.09	-217	4.1	2.731	8.11	19.8	475
13:05	75	7.22	-.32	-272	4.1	2.752	8.58	19.7	850
13:10	75	7.22	-.38	-301	3.3	2.770	8.75	19.7	1225
13:15	75	7.22	-.41	-328	3.6	2.778	8.81	19.5	1600
13:20	75	7.22	-.43	-336	3.2	2.779	8.84	19.1	1975
13:25	75	7.22	-.44	-344	3.6	2.777	8.84	19.0	2350

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-Q	4-24-17 / 13:40	Bladder Pump	VOCs, Cyanide

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-FF

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St., 271 Hollenbeck St., 50 Balfour Dr., Rochester **JOB #** 5211S-16

PROJECT NAME: RI/FS **DATE:** 4/24/17

SAMPLE COLLECTOR(S): Sean Reese **WEATHER:** 47°F, Partly Cloudy

PID READING IN WELL HEADSPACE (PPM): 3.0 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 2

SCREENED INTERVAL [FT BGS]: 7.3-12.3 **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 6.89 / 4-24-17

WELL DEPTH [FT BGS]: 12.3 **DEPTH OF PUMP INTAKE [FT BGS]:** 9.8
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** ND **OTHER OBSERVATIONS:** Clear

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Poly (Water) , 1/8" Poly (Air)

WATER QUALITY METER: YSI Pro DSS **WATER LEVEL METER:** Heron

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 2.0 **CONTROL BOX REFILL RATE:** 4.0

STABILIZED PUMP RATE (ml/min): 130 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 6.95

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft) (<0.33 ft)	DO (mg/L) (±10%)	ORP (mv) (±10 mV)	Turbidity (NTU) (±10 NTUs, if >10 NTU)	Conductivity (mS/cm) (±3%)	pH (±0.1)	Temp. (C^0) (±10%)	Total Vol. Pumped (ml)
9:20	130	6.95	0.44	154.8	8.7	23.183	6.52	18.6	100
9:25	130	6.95	.05	135.0	11.3	23.340	6.53	17.5	750
9:30	130	6.95	-.13	111.7	8.7	23.81	6.54	18.5	1400
9:35	130	6.95	-.19	101.6	6.4	24.104	6.51	18.5	2050
9:40	130	6.95	-.24	75.0	5.0	24.398	6.50	18.5	2700
9:45	130	6.95	-.27	48.0	5.2	24.495	6.49	18.5	3350
9:50	130	6.95	-.29	25.0	4.3	24.547	6.98	18.5	4000
9:55	130	6.95	-.30	7.0	4.1	24.540	6.47	18.5	4650
10:00	130	6.95	-.32	-5.4	3.8	24.584	6.46	18.5	5300
10:05	130	6.95	-.32	-7.0	4.0	24.600	6.40	18.5	5950

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-FF	4-24-17 / 10:15	Bladder Pump	VOCs, Cyanide

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-II

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 245-265 Hollenbeck St., 271 Hollenbeck St., 50 Balfour Dr., Rochester **JOB #** 5211S-16

PROJECT NAME: RI/FS **DATE:** 4/24/17

SAMPLE COLLECTOR(S): Sean Reese **WEATHER:** 47°F, Partly Cloudy

PID READING IN WELL HEADSPACE (PPM): 46.9 **MEASURING POINT (for water levels):** Top of Casing

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1

SCREENED INTERVAL [FT BGS]: 2.6-12.6 **INITIAL WATER LEVEL (SWL) [FT]:** SWL / Date Measured 7.3 / 4-24-17

WELL DEPTH [FT BGS]: 12.6 **DEPTH OF PUMP INTAKE [FT BGS]:** 9.25
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ND **DNAPL:** ND **OTHER OBSERVATIONS:** Gray

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Poly (Water) , 1/8" Poly (Air)

WATER QUALITY METER: YSI Pro DSS **WATER LEVEL METER:** Solinst

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1.0 **CONTROL BOX REFILL RATE:** 5.0

STABILIZED PUMP RATE (ml/min): 120 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 7.70

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft) (<0.33 ft)	DO (mg/L) (±10%)	ORP (mv) (±10 mV)	Turbidity (NTU) (±10 NTUs, if >10 NTU)	Conductivity (mS/cm) (±3%)	pH (±0.1)	Temp. (C^0) (±10%)	Total Vol. Pumped (ml)
11:35	120	7.90	-46	64.0	1600	21.810	9.11	22.0	100
11:40	120	7.78	-.20	-133	2280	7.45	8.69	21.5	700
11:50	120	7.70	-.31	-169	2880	4.124	7.40	21.3	1300
11:55	120	7.70	-.33	-169	2550	3.952	7.30	21.3	1900
12:00	120	7.70	-.35	-177	2600	3.995	7.32	21.3	2500
12:05	120	7.80	-.37	-179	2600	3.952	7.29	21.3	3100
12:10	120	7.70	-.37	-181	2600	3.99	7.27	21.3	3700

SAMPLE OBSERVATIONS: Gray

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-II	4-24-17 / 12:15	Bladder Pump	VOCs, Cyanide

APPENDIX I

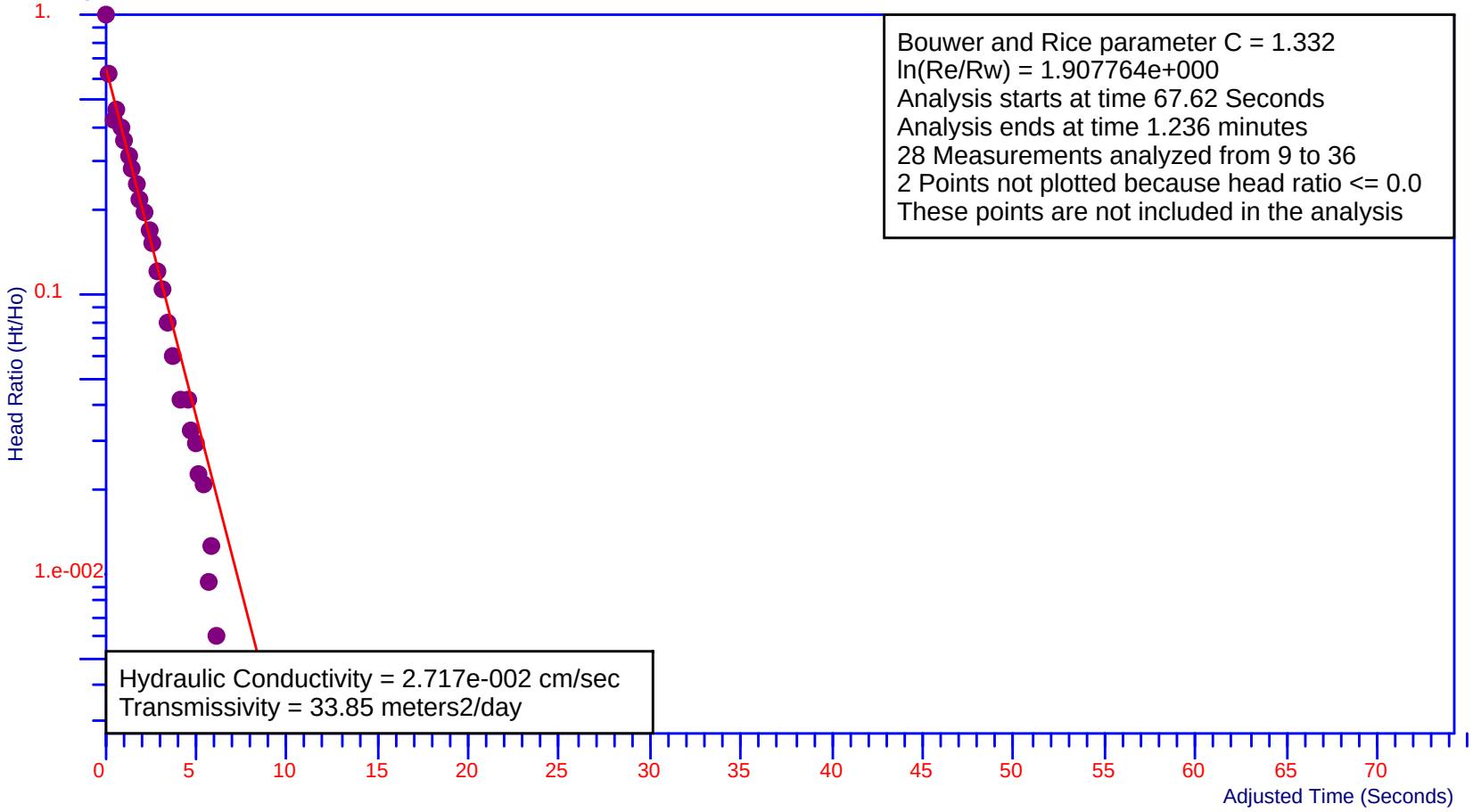
Hydraulic Conductivity Slug Test Graphs

MW-1 Slug In 6/29/2016

McAlpin Rochester, NY

Bouwer and Rice Graph

MW-1



Project Number: 5211S-16 for OBI, LLC

Analysis by Starpoint Software

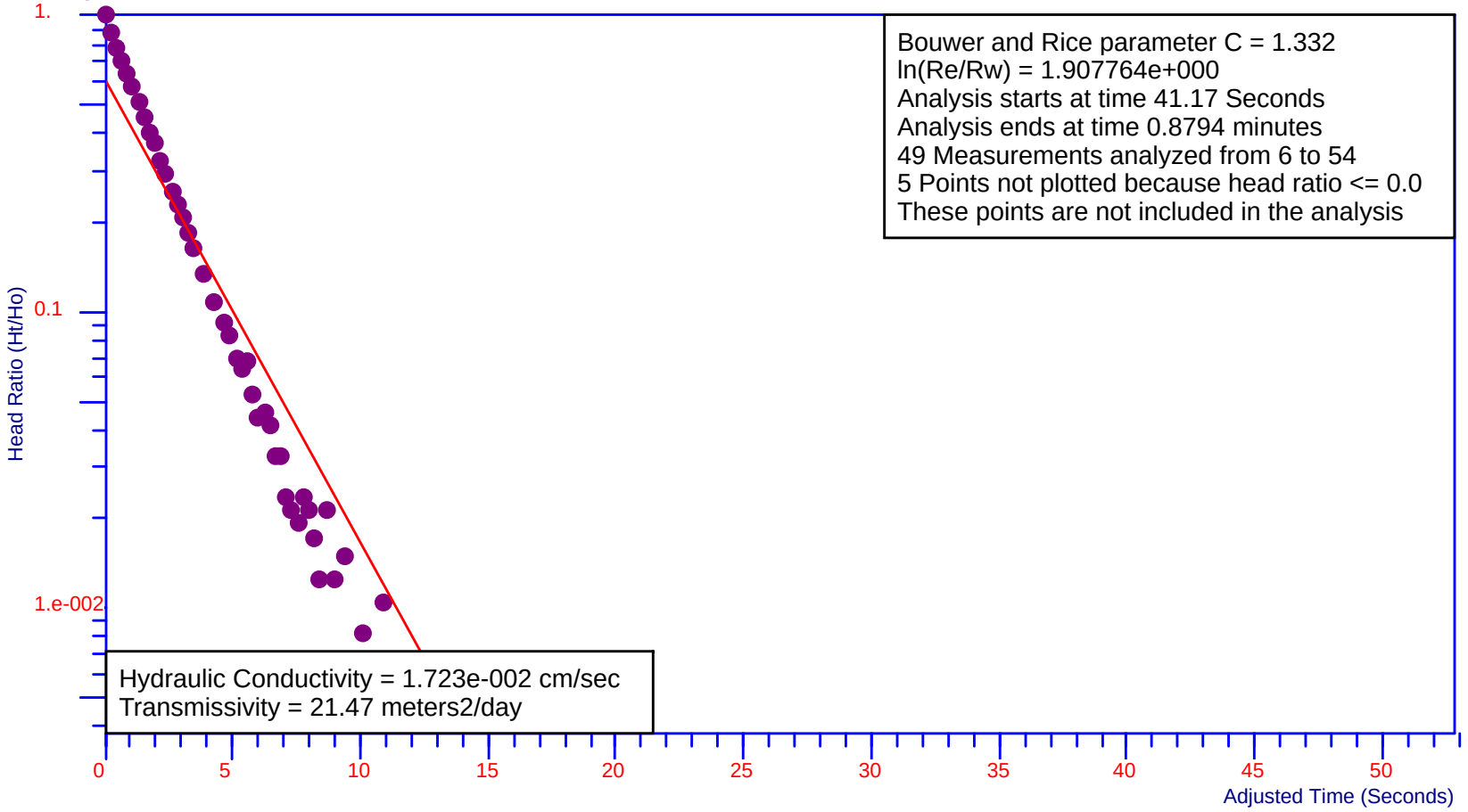
Ho is 0.6016 feet at 67.62 Seconds

MW-1 Slug Out 6/29/2016

McAlpin Rochester, NY

Bouwer and Rice Graph

MW-1



Project Number: 5211S-16 for OBI, LLC

Analysis by Starpoint Software

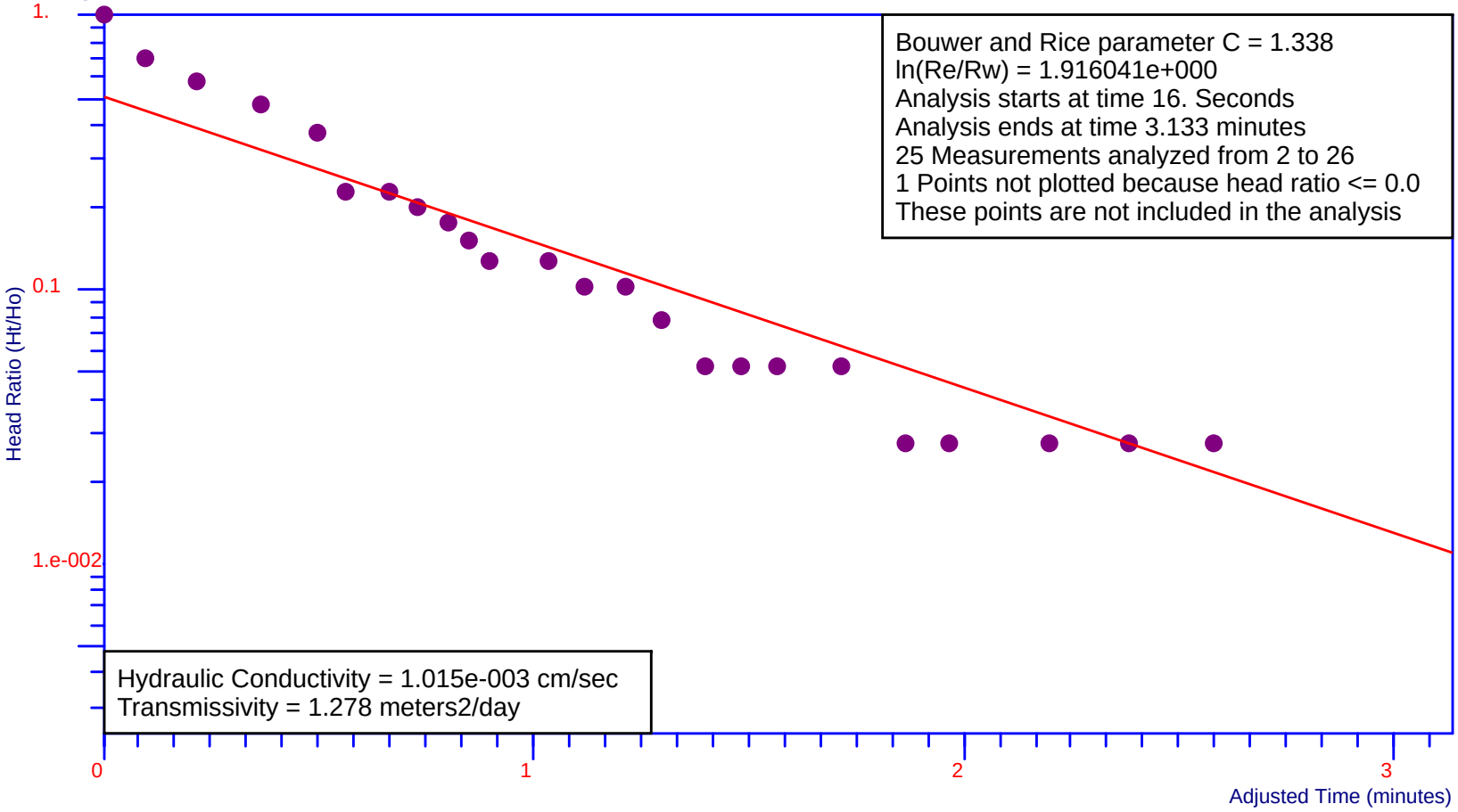
Ho is 0.4507 feet at 41.17 Seconds

MW-8 Slug In 6/29/2016

McAlpin Rochester, NY

Bouwer and Rice Graph

MW-8



Ho is 0.401 feet at 16. Seconds

Project Number: 5211S-16 for OBI, LLC

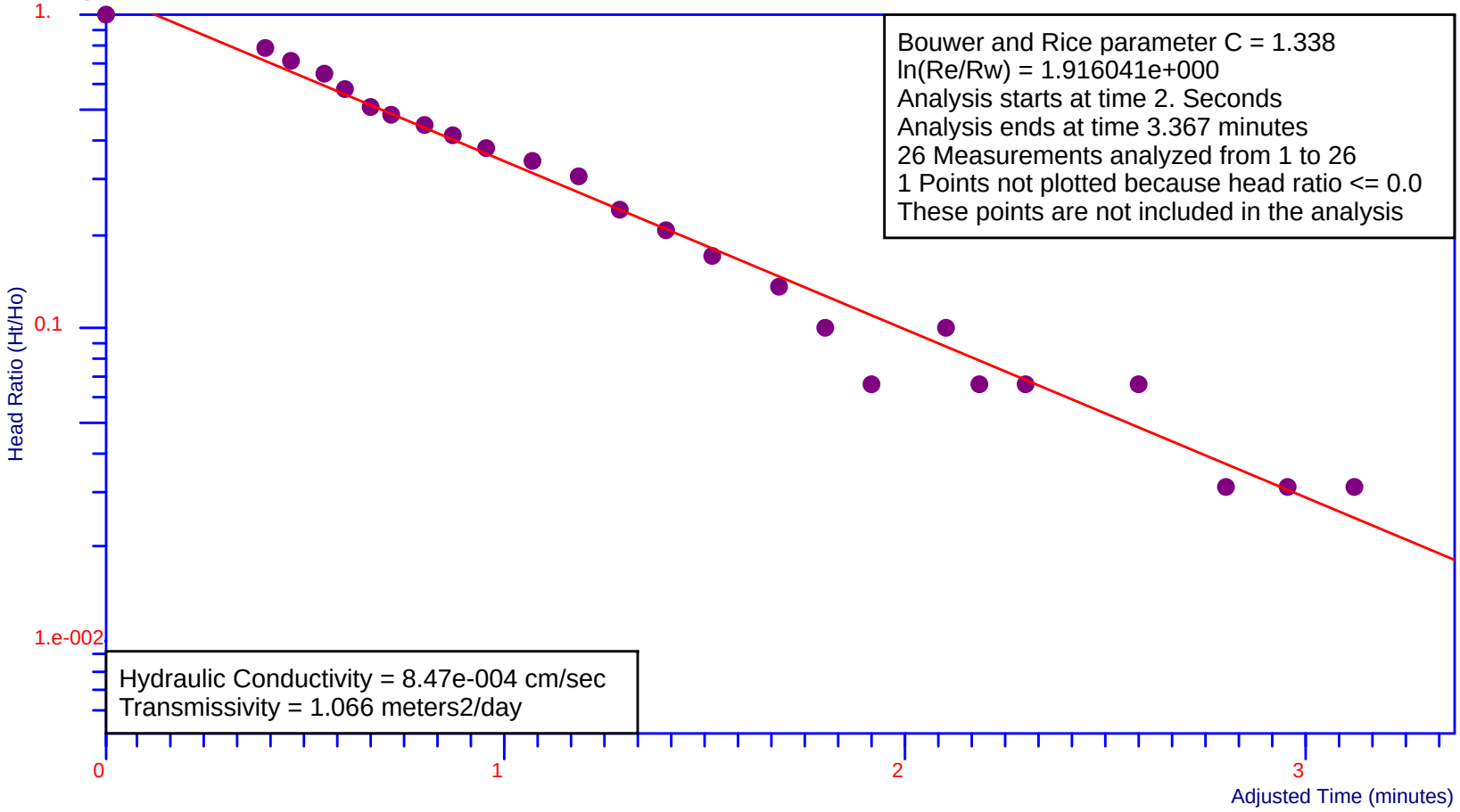
Analysis by Starpoint Software

MW-8 Slug out 6/29/2016

McAlpin Rochester, NY

Bouwer and Rice Graph

MW-8



Ho is 0.289 feet at 2. Seconds

Project Number: 5211S-16 for OBI, LLC

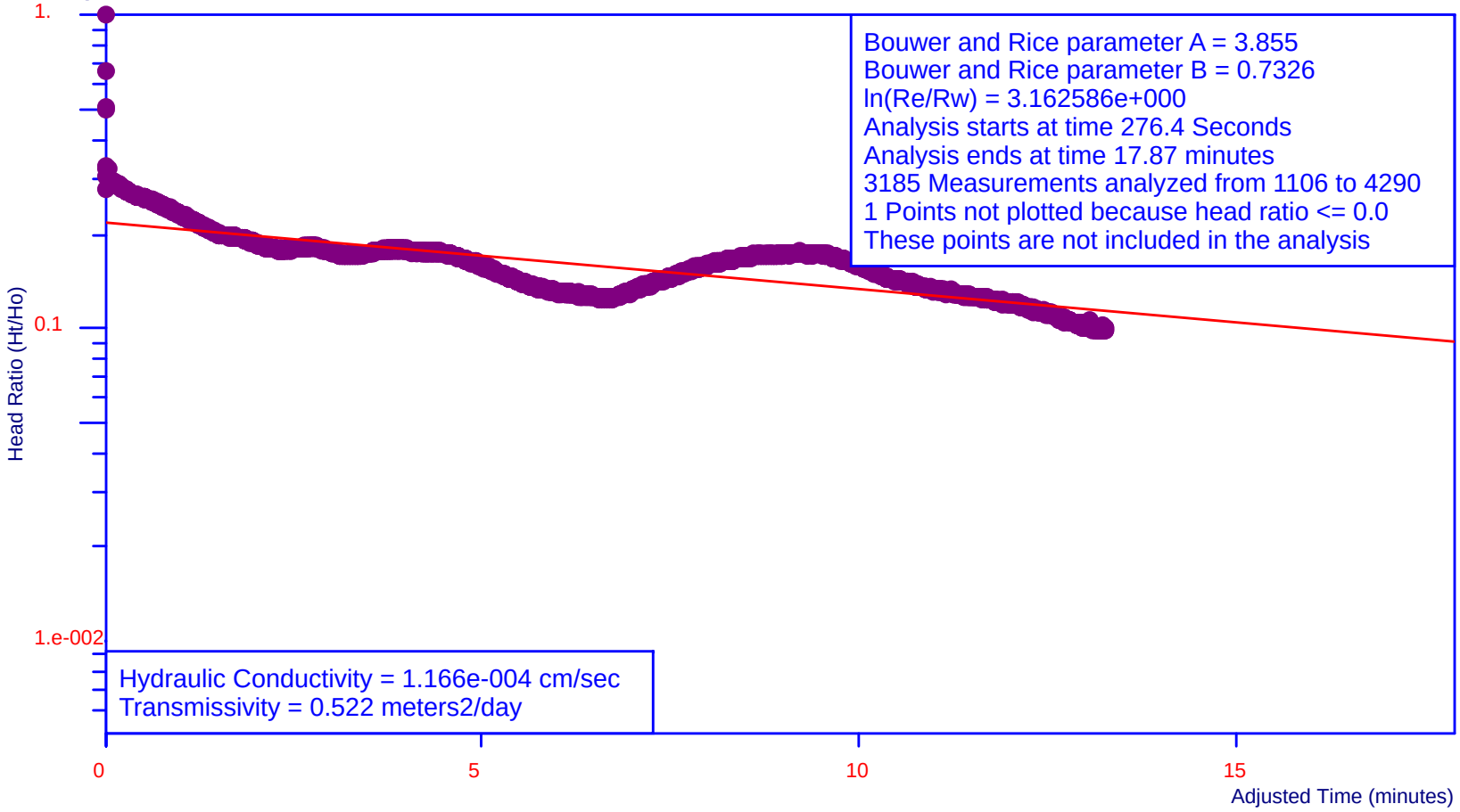
Analysis by Starpoint Software

MW-1R Slug In 6/29/2016

Bouwer and Rice Graph

McAlpin Rochester, NY

MW-1R



Project Number: 5211S-16 for OBI, LLC

Analysis by Starpoint Software

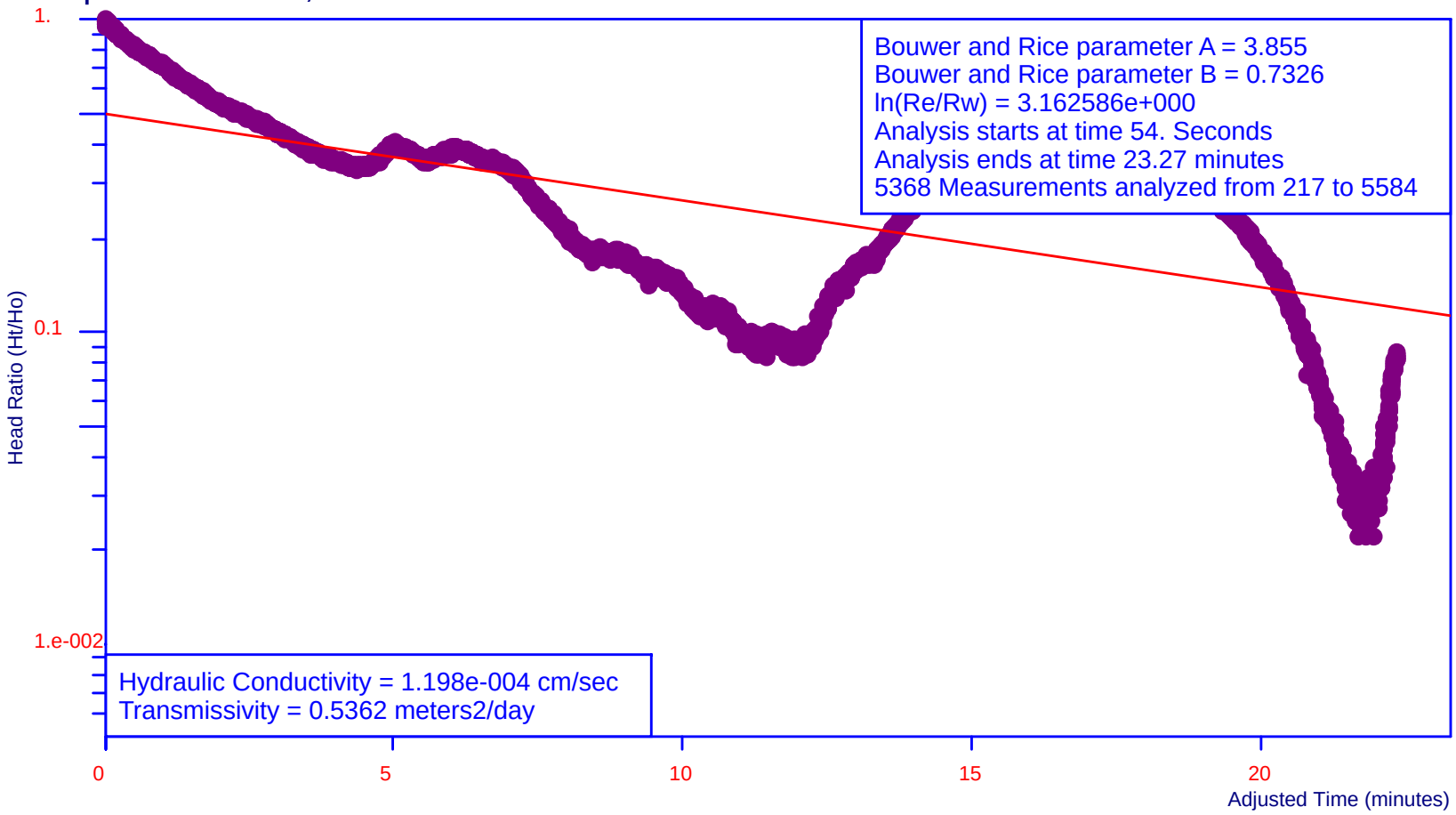
Ho is 3.7 feet at 276.4 Seconds

MW-1R Slug Out 6/29/2016

Bouwer and Rice Graph

McAlpin Rochester, NY

MW-1R



Project Number: 5211S-16 for OBI, LLC

Analysis by Starpoint Software

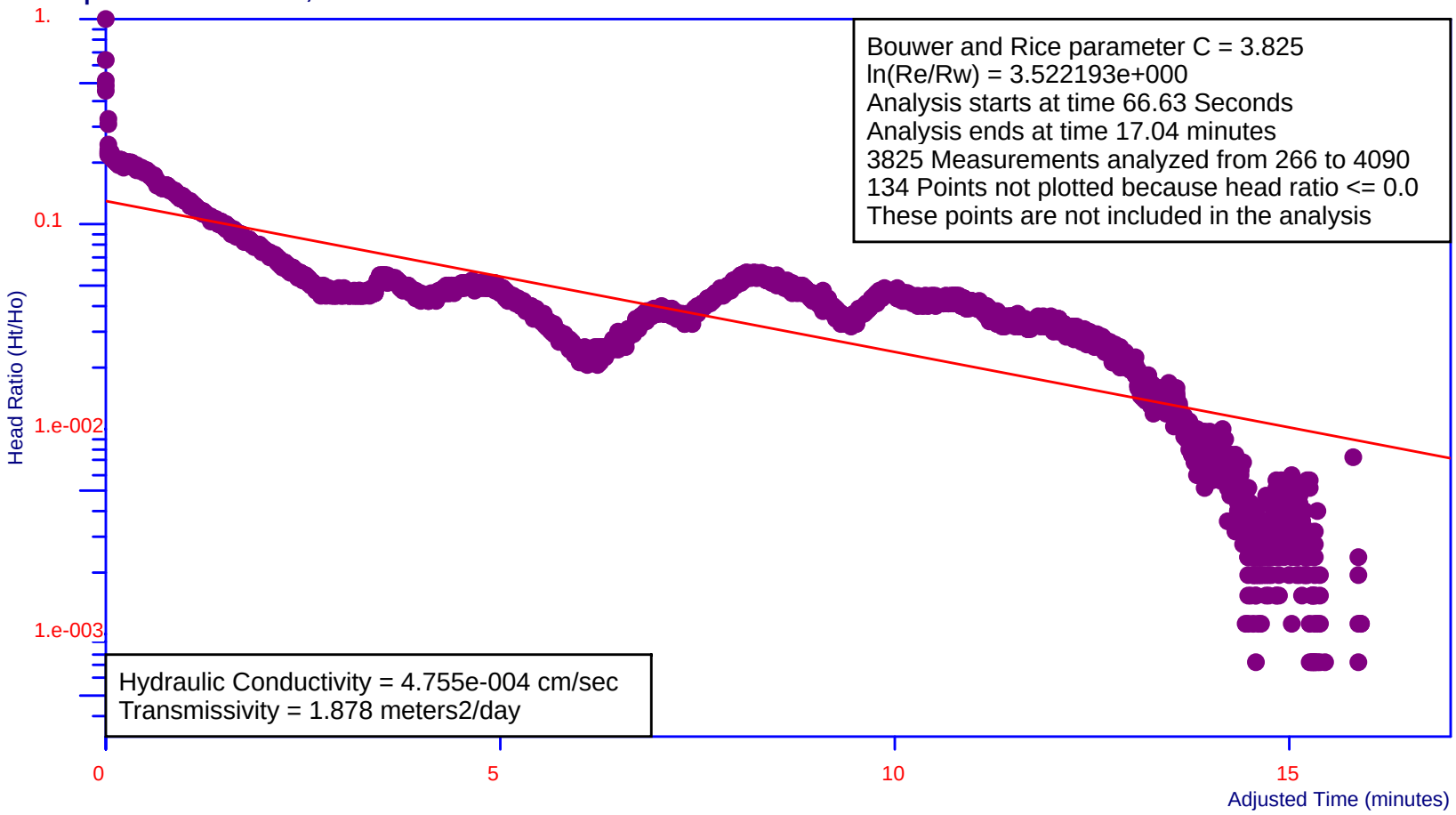
Ho is 0.7464 feet at 54. Seconds

MW-7R Slug In 6/29/2016

McAlpin Rochester, NY

Bouwer and Rice Graph

MW-7R



Project Number: 5211S-16 for OBI, LLC

Analysis by Starpoint Software

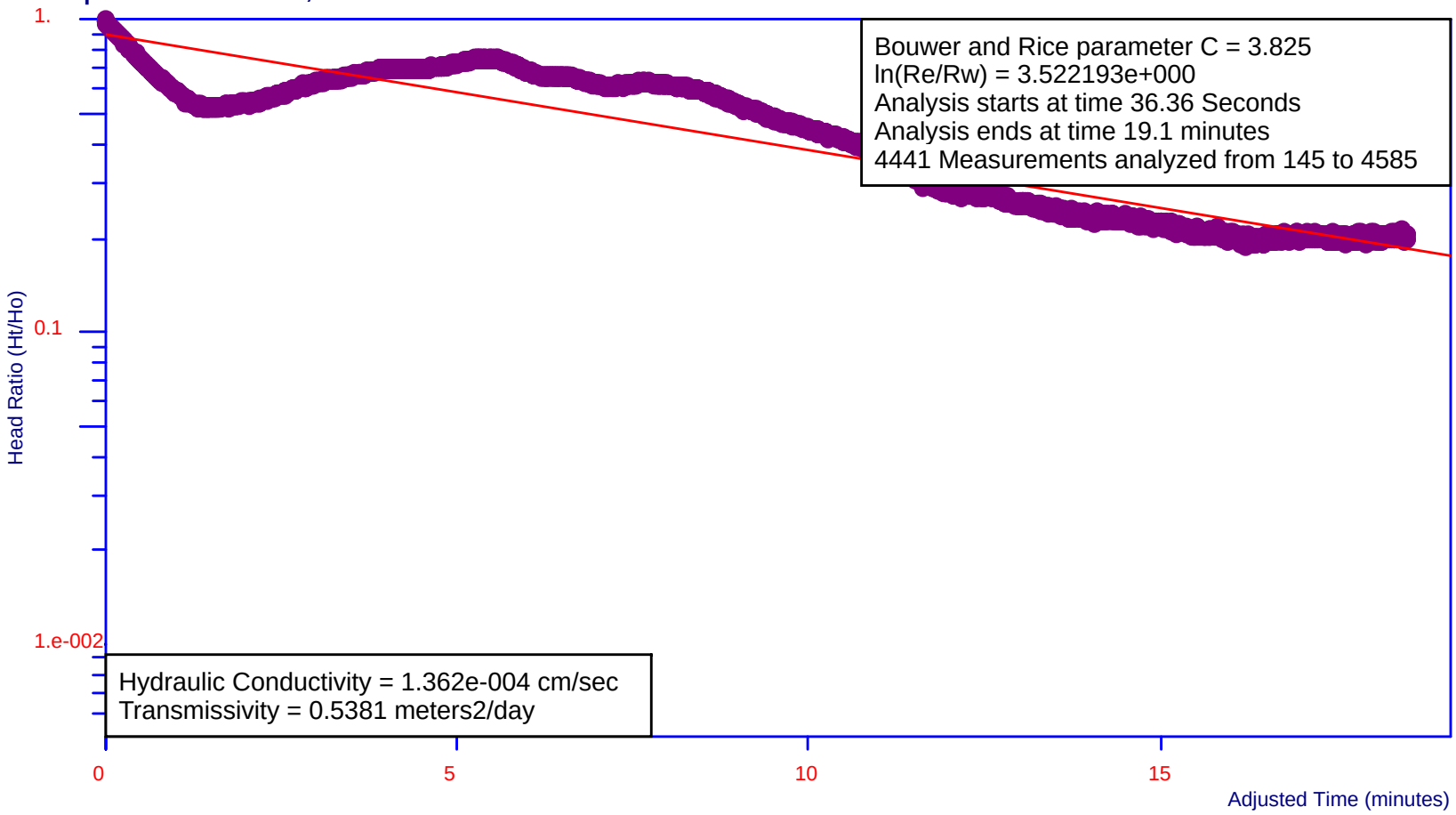
Ho is 2.47 feet at 66.63 Seconds

MW-7R Slug Out 6/29/2016

McAlpin Rochester, NY

Bouwer and Rice Graph

MW-7R



Project Number: 5211S-16 for OBI, LLC

Analysis by Starpoint Software

Ho is 0.7712 feet at 36.36 Seconds

APPENDIX J

NYSDEC Work Plan Approvals, Modifications, and Deviations

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, New York 14414-9519
Phone: (585) 226-5353 • **Fax: (**585) 226-8139
Website: www.dec.ny.gov

Joe Martens
Commissioner

January 9, 2014

Mr. Mike McAlpin
OBI, LLC
255 Hollenbeck Street
Rochester, New York 14621

Dear Mr. McAlpin;

Re: McAlpin Industries Site #828188
Right-of-Way and Site Perimeter Soil Vapor and Groundwater Evaluation Work Plan; January 2014
245-265 & 271 Hollenbeck Street and 50 Balfour Drive
City of Rochester, Monroe County

The New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH), collectively referred to as the Departments, have completed their review of the documents entitled "*Right-of-Way and Site Perimeter Soil Vapor and Groundwater Evaluation Work Plan"* and "*Health and Safety Plan"* (collectively referred to as the Work Plan) dated January 2014 and prepared by Day Environmental, Inc for the McAlpin Industries site in the City of Rochester, Monroe County. Based on the information and representations provided in the Work Plan, the Departments have determined that the Work Plan substantially addresses the requirements of the Order on Consent and the Work Plan is hereby approved. With the exception of the Community Air Monitoring Plan, this approval does not extend to the Health and Safety Plan as the Departments are not responsible for the health and safety of remediation workers.

Prior to the start of field work, please attach this letter to the Work Plan and distribute as follows:

- Frank Sowers (NYSDEC, Avon) - 2 hard copies;
- Jacquelyn Nealon (NYSDOH, Albany) – 1 hard copy;
- John Frazer (MCHD) - 1 electronic copy; and
- Lincoln Branch Library - 1 hard copy.

The hard copies should be submitted double-sided.

Based on the schedule in the approved Work Plan, field activities are scheduled to begin by February 10, 2014. Please notify me at least 7 days in advance of the start of field activities.

This letter represents approval of the first work plan under the Order on Consent and initiates the monthly Progress Report provision of the Order. Progress Reports are due by the 10th day of each month with the initial Progress Report due on February 10, 2014. Progress Reports should be submitted as electronic (.pdf) files only.

Additionally, please use “McAlpin Industries” as the site name in future correspondence including work plans, reports, letters, and emails.

Thank you for your cooperation in this matter and please contact me at (585) 226-5357 if you have any questions.

Sincerely,

Frank Sowers, P.E.
Environmental Engineer II

ec:
B. Putzig
J. Mahoney
J. Nealon
R. Palumbo
R. Kampff
N. Simon
J. Frazer

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, New York 14414-9519
Phone: (585) 226-5353 • **Fax: (**585) 226-8139
Website: www.dec.ny.gov

Joe Martens
Commissioner

February 26, 2014

Mr. Mike McAlpin
OBI, LLC
255 Hollenbeck Street
Rochester, New York 14621

Dear Mr. McAlpin;

Re: OBI, LLC Site #828188
Soil Vapor Intrusion Evaluation of On-Site Structures Work Plan;
February 2014
245-265 & 271 Hollenbeck Street and 50 Balfour Drive
City of Rochester, Monroe County

The New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH), collectively referred to as the Departments, have completed their review of the document entitled "*Soil Vapor Intrusion Evaluation of On-Site Structures Work Plan"* (the Work Plan) dated February 2014 and prepared by Day Environmental, Inc for the OBI, LLC site in the City of Rochester, Monroe County. Based on the information and representations provided in the Work Plan, the Departments have determined that the Work Plan, with modifications, substantially addresses the requirements of the Order on Consent. The modifications are outlined as follows:

1. The sample collection period for the sub-slab soil vapor, indoor air, and ambient (outdoor) air samples will be 8 hours (instead of 2 hours). An 8-hour sampling period will provide results that are more representative of a typical workplace exposure period.

2. Given the size of the site, two ambient air samples will be collected. The two ambient air samples will be collected at on-site locations that are upwind of the indoor samples and far enough apart to evaluate differences in upwind air quality affecting different areas of the site.

3. The sample collection schedule will be adjusted, as needed, based on weather conditions so that the samples are collected on a heating season day.

4. For the samples collected inside the western doorway of the cafeteria in Building Slab 3, make sure the SS/IA samples are far enough from the door to ensure that the opening and closing of the door will not affect the integrity for sample collection.

With the understanding that the above noted modifications are agreed to, the Work Plan is hereby approved. With the exception of the Community Air Monitoring Plan, this approval does not extend to the Health and Safety Plan as the Departments are not responsible for the health and safety of remediation workers.

If OBI, LLC chooses not to accept the modifications proposed by the Department, you are required to notify this office within 20 days after receipt of this letter. In this event I suggest a meeting be scheduled to discuss your concerns prior to the end of this 20 day period.

Prior to the start of field work, please attach this letter to the Work Plan and distribute as follows:

- Frank Sowers (NYSDEC, Avon) - 2 hard copies;
- Jacquelyn Nealon (NYSDOH, Albany) – 1 hard copy and 1 electronic copy on CD;
- John Frazer (MCHD) - 1 electronic copy; and
- Lincoln Branch Library - 1 hard copy.

The hard copies should be submitted double-sided.

Based on the schedule in the approved Work Plan, field activities are scheduled to begin by March 28, 2014. Please notify me at least 7 days in advance of the start of field activities.

Thank you for your cooperation in this matter and please contact me at (585) 226-5357 if you have any questions.

Sincerely,

Frank Sowers

Frank Sowers, P.E.
Environmental Engineer II

ec:
B. Putzig
J. Mahoney
J. Nealon
P. Sylvestri
R. Kampff
N. Simon
J. Frazer

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
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Website: www.dec.ny.gov

Joe Martens
Commissioner

January 22, 2015

Mr. Mike McAlpin
OBI, LLC
255 Hollenbeck Street
Rochester, New York 14621

Dear Mr. McAlpin;

Re: OBI, LLC Site #828188
Interim Remedial Measures Work Plan for Mitigation of Potential Soil Vapor Intrusion;
December 2014
245-265 & 271 Hollenbeck Street and 50 Balfour Drive
City of Rochester, Monroe County

The New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH), collectively referred to as the Departments, have completed their review of the document entitled "*Interim Remedial Measures Work Plan for Mitigation of Potential Soil Vapor Intrusion"* (the Work Plan) dated December 2014 and prepared by Day Environmental, Inc for the OBI, LLC site in the City of Rochester, Monroe County. Based on the information and representations provided in the Work Plan, and in accordance with 6 NYCRR 375-1.6, the Departments have determined that the Work Plan, with modifications, substantially addresses the requirements of the Order-on-Consent. The modifications are outlined as follows:

1. **Section 2:** The second paragraph is deleted as it contains inaccurate information that was previously commented on in the Departments' letter of September 18, 2014. The results of the soil vapor intrusion evaluation (Soil Vapor Intrusion Evaluation of On-site Structures Summary Report, dated July 2014) indicate: the potential for soil vapor intrusion of trichloroethene (TCE) exists at slabs 2 through 6; an actual current exceedence of TCE in the indoor air was detected at one location; and potential current exceedences of TCE in the indoor air were present at four additional locations due to elevated laboratory detection limits.

2. **Section 4:** The goal of the IRM is modified as follows*: "To use engineering controls to continuously maintain indoor air concentrations of site-related contaminants at background levels to the extent feasible until the source of the vapors can be remediated. Additional engineering controls will be evaluated and implemented, as needed, to achieve this objective."*

3. **Section 5:** Confirmatory indoor air testing will be conducted at Slabs 1, 2, 3, 4, 5, 6, and 7 to evaluate the effectiveness of the IRM site modifications (elimination/reduction of the negative indoor air pressures). Confirmatory indoor air testing at slabs 1 and 2 is added to verify that the IRM is functioning as designed in all areas and is not creating a vapor intrusion issue where none existed before.

4. **Section 5:** A product inventory will be performed, or an existing product inventory will be updated, to accurately distinguish the historic site-related contaminants of concern from the chemicals currently used as part of production at the facility.

5. **Section 5:** All confirmatory indoor air testing must be done in accordance with NYSDOH guidance for evaluating soil vapor intrusion.

6. **Section 6:** The schedule is enforceable under the Order-on-Consent and is not "anticipated." If the schedule in the Work Plan needs to be modified based on the date of this approval letter, then please include a proposed revised schedule in the monthly progress report due February 10, 2015.

7. **Section 6:** The schedule includes performing heating-season activities, such as confirmatory indoor samples, one month after the typical end of the heating season on March 31. The March 31 date is not a definitive date and there are typically heating-season days after March 31. However, if heating-season activities cannot be performed during the 2014-15 heating season, they will not be postponed until the 2015-16 heating season. Rather they will be completed per the schedule and then repeated early (between November 15 and December 31, 2015) in the 2015-16 heating season.

8. **Section 6:** Please be advised that the proposed confirmatory testing following the IRM implementation is <u>not</u> enough to verify that the pressure alterations within the facility are preventing future vapor intrusion from occurring. Since an active sub-slab system was not placed on the building, a detailed monitoring program for the facility is needed in the Interim Site Management Plan to verify that the measures taken in the IRM continue to prevent intrusion of site-related vapors into indoor air of the facility.

9. **Section 6:** The CCR will include PE signed and stamped as-built drawings of the air intake systems.

10. The Remedial Investigation/Feasibility Study Work Plan will be submitted by **March 31, 2015.**

With the understanding that the above noted modifications are agreed to, the Work Plan is hereby approved.

If OBI, LLC chooses not to accept the modifications proposed by the Departments, you are required to notify this office within 20 days after the date of this letter. In this event I suggest a meeting be scheduled to discuss your concerns prior to the end of this 20 day period.

Prior to the start of field work, please attach this letter to the Work Plan and distribute as follows:

- Frank Sowers (NYSDEC, Avon) - 2 hard copies;
- Jacquelyn Nealon (NYSDOH, Albany) – 1 hard copy and 1 electronic copy on CD;
- John Frazer (MCHD) - 1 electronic copy; and
- Lincoln Branch Library - 1 hard copy.

The hard copies should be submitted double-sided.

Please notify me at least 7 days in advance of the start of field activities.

Thank you for your cooperation in this matter and please contact me at (585) 226-5357 if you have any questions.

Sincerely,

Frank Sowers, P.E.
Environmental Engineer II

ec:
B. Putzig
J. Mahoney
J. Nealon
P. Sylvestri
R. Kampff
N. Simon
J. Frazer
J. Deming

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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December 21, 2015

Mr. Mike McAlpin
OBI, LLC
255 Hollenbeck Street
Rochester, New York 14621

Dear Mr. McAlpin;

Re: OBI, LLC Site #828188
Remedial Investigation/Feasibility Study Work Plan;
August 13, 2015
245-265 & 271 Hollenbeck Street and 50 Balfour Drive
City of Rochester, Monroe County

The New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH), collectively referred to as the Departments, have completed their review of the document entitled "*Remedial Investigation Work Plan/Feasibility Study"* (the Work Plan) dated August 13, 2015 and prepared by Day Environmental, Inc for the OBI, LLC site in the City of Rochester, Monroe County. Based on the information and representations provided in the Work Plan, and in accordance with 6 NYCRR 375-1.6, the Departments have determined that the Work Plan, with modifications, substantially addresses the requirements of the Order-on-Consent. The modifications are outlined as follows:

1. The Work Plan includes the Health and Safety Plan (HASP) dated August 2015 and submitted to the Departments on December 18, 2015. Except for the Community Air Monitoring Plan, approval of the Work Plan does not extend to the HASP as the Departments are not responsible for the health and safety of remediation workers.

2. **Section 1.6 RI Objectives:** This section is modified as follows:
    - The first bullet is changed to "Define the nature and extent of site-related contamination."
    - The seventh bullet is changed to "Evaluate and characterize the extent and magnitude of the overburden and bedrock groundwater contamination associated with the site."
    - The tenth bullet is changed to "Define the extent to which site-related contaminants have migrated and whether future migration may pose a threat to human health or the environment."

3. **Section 1.7 Applicable Project Standards, Criteria, and Guidance:** Updates and revisions to the SCGs identified in this section will also be used where applicable.

4. **Section 4.1 RI Overview:** The first bullet is changed to “a detailed evaluation of the nature and extent of site-related contamination.”

5. **Section 4.2.1 Utility Assessment:** As part of the utility assessment, the integrity of the sump will be evaluated and the discharge location of the sump will be determined. Sump water samples will be collected and analyzed if: there appear to be lines plumbed into the sump in addition to the compressor cooling water/condensate; if the sump discharges to a storm sewer; or the integrity of the sump is suspect and it appears that groundwater could infiltrate into the sump. If collected, sump water samples will be analyzed for VOCs at a minimum. Additional analytical parameters will be included upon NYSDEC request based the conditions observed.

6. **Section 4.2.1 Utility Assessment:** The two shallow test borings discussed in this section are identified as TB-DD and TB-EE in other sections of the Work Plan.

7. **Section 4.2.3 Site Groundwater Characterization Work:** At least two rounds of groundwater sampling will be completed. A Supplemental RI Work Plan will be submitted to the Departments within 60 days after the Respondent or the Respondent’s consultant receives the unvalidated analytical results from the laboratory for the first round of groundwater samples. The Supplemental RI Work Plan will identify the monitoring wells and analytical parameters for the second round of sampling and provide a schedule for collecting the samples and submitting either the next Supplemental RI Work Plan or the RI Report and Feasibility Study.

8. **Figure 9:** Geoprobe test boring TB-F is relocated to the approximate footprint of the former TCE degreaser.

9. **Appendix C Project Decision Statements:** Statement 4, the second sentence is changed from “Wastes may also be evaluated…” to “Wastes will also be evaluated…”

With the understanding that the above noted modifications are agreed to, the Work Plan is hereby approved.

If OBI, LLC chooses not to accept the modifications proposed by the Departments, you are required to notify this office within 20 days after the date of this letter. In this event I suggest a meeting be scheduled to discuss your concerns prior to the end of this 20 day period.

Prior to the start of field work, please attach this letter and the HASP to the Work Plan and distribute as follows:

- Frank Sowers (NYSDEC, Avon) - 2 hard copies;
- Jacquelyn Nealon (NYSDOH, Albany) – 1 hard copy and 1 electronic copy on CD;
- John Frazer (MCHD) - 1 electronic copy;
- Wade Silkworth (MCHD); and
- Lincoln Branch Library - 1 hard copy.

The hard copies should be submitted double-sided.

Please notify me at least 7 days in advance of the start of field activities.

Thank you for your cooperation in this matter and please contact me at (585) 226-5357 if you have any questions.

Sincerely,

Frank Sowers, P.E.
Environmental Engineer 2

ec:
B. Schilling
J. Mahoney
M. Cruden
J. Nealon
P. Sylvestri
R. Kampff
N. Simon
J. Frazer
W. Silkworth
J. Deming

Heather McLennan

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Tuesday, February 02, 2016 4:14 PM
To: Heather McLennan
Cc: Jeff Danzinger
Subject: OBI Site No. 828188 - MW-10R

Moving MW-10R up to 25 ft. the west is acceptable.

Frank Sowers, P.E.
Environmental Engineer 2, Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Rd, Avon, NY 14414
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From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Monday, February 01, 2016 12:15 PM
To: Sowers, Frank (DEC)
Cc: Jeff Danzinger
Subject: RE: NYSDEC Site No. 828188_245-265 and 271 Hollenbeck Street, 50 Balfour Drive, Rochester, NY

Hi Frank,
The bedrock well installation will be delayed until Thursday, February 4, 2016. We will confirm the upcoming schedule tomorrow.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

From: Sowers, Frank (DEC) [mailto:frank.sowers@dec.ny.gov]
Sent: Wednesday, January 27, 2016 11:38 AM
To: Heather McLennan
Cc: Jeff Danzinger
Subject: RE: NYSDEC Site No. 828188_245-265 and 271 Hollenbeck Street, 50 Balfour Drive, Rochester, NY

Thank you. Please let me know if the schedule changes.

Frank Sowers, P.E.
Environmental Engineer 2, Division of Environmental Remediation

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6274 East Avon-Lima Rd, Avon, NY 14414
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From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Tuesday, January 26, 2016 4:15 PM
To: Sowers, Frank (DEC)
Cc: Jeff Danzinger
Subject: RE: NYSDEC Site No. 828188_245-265 and 271 Hollenbeck Street, 50 Balfour Drive, Rochester, NY

Hi Frank,
I actually meant the 2nd (i.e., the Tuesday).
Sorry!
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

From: Heather McLennan
Sent: Tuesday, January 26, 2016 4:11 PM
To: 'Sowers, Frank (DEC)'
Cc: Jeff Danzinger
Subject: NYSDEC Site No. 828188_245-265 and 271 Hollenbeck Street, 50 Balfour Drive, Rochester, NY

Hi Frank,
Please be advised that installation of the perimeter bedrock wells is tentatively scheduled to commence on February 3, 2016. We are planning on including installation of MW-19 (i.e., an overburden monitoring well at the same time). Please contact this office with any questions.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

Heather McLennan

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Friday, March 25, 2016 8:58 AM
To: Heather McLennan
Cc: Jeff Danzinger
Subject: RE: Remedial Investigation_245-265 Hollenbeck St, 271 Hollenbeck St, 50 Balfour Dr, NYSDEC Site No. 828188

Heather,

The adjusted locations for TB-I and TB-M are acceptable.
Thank you for the notice.

Frank Sowers, P.E.
Environmental Engineer 2, Division of Environmental Remediation

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6274 East Avon-Lima Rd, Avon, NY 14414
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From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Tuesday, March 22, 2016 3:51 PM
To: Sowers, Frank (DEC)
Cc: Jeff Danzinger
Subject: RE: Remedial Investigation_245-265 Hollenbeck St, 271 Hollenbeck St, 50 Balfour Dr, NYSDEC Site No. 828188

Hi Frank,
Jeff & I marked exterior locations today and noted two exterior Geoprobe locations that we would like to move due to underground utilities:

- TB-M/MW-M: [Rationale: Location of TP-1 and proximity to TP-2, previously identified petroleum impacts, possible free product, downgradient/crossgradient of TB-121 and TB-122 (i.e., historic location of potential petroleum impacted soil)]. Planned location is reportedly in-line with high-voltage underground electric. We would like to move this approximately 6 feet north to avoid underground electric.
- TB-I: [Rationale: Site coverage, proximity to former oil and grease room]. Gas & electric corridor is north of former oil and grease room. We would like to move this to east of the former oil and grease room.

The requested changes are shown on the attached Figure.
Also, we are planning on having an electrical contractor mark underground electrical into and out of the transformer (i.e., locations of TB-W, TB-X, TB-Y, TB-Z). If the locations of the test borings shift I will let you know. We will request that they mark the electrical in the area of TB-M as well.
Please let me know if we can adjust the locations of TB-M and TB-I as described above.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue

Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

From: Sowers, Frank (DEC) [mailto:frank.sowers@dec.ny.gov]
Sent: Tuesday, March 22, 2016 2:26 PM
To: Heather McLennan
Subject: RE: Remedial Investigation_245-265 Hollenbeck St, 271 Hollenbeck St, 50 Balfour Dr, NYSDEC Site No. 828188

Thanks.

From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Monday, March 21, 2016 3:47 PM
To: Sowers, Frank (DEC)
Cc: Jeff Danzinger
Subject: Remedial Investigation_245-265 Hollenbeck St, 271 Hollenbeck St, 50 Balfour Dr, NYSDEC Site No. 828188

Hi Frank,
Geoprobe drilling of the exterior test borings is scheduled to commence on March 28, 2016. Currently we anticipate two days exterior work followed by three days interior work. Please contact us with any questions.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

Heather McLennan

From: David Day
Sent: Monday, March 28, 2016 12:25 PM
To: Heather McLennan; Samantha Shoemaker; Jeff Danzinger; Nate Simon; Ray Kampff
Subject: FW: OBI (McAlpin) Site No. 828188 RIWP Mod- Transformer Pad area

Importance: Low

FYI

From: Sowers, Frank (DEC) [mailto:frank.sowers@dec.ny.gov]
Sent: Monday, March 28, 2016 12:15 PM
To: David Day; Heather McLennan
Cc: Samantha Shoemaker; Kenney, Julia (HEALTH); Jeff Danzinger; Nealon, Jacquelyn (HEALTH)
Subject: [SPAM] OBI (McAlpin) Site No. 828188 RIWP Mod- Transformer Pad area
Importance: Low

Dave,

To document our discussion from this morning, I understand that the 4 soil borings in the vicinity of the transformer pad (borings TB-W,X,Y & Z) cannot be completed to depth due to buried electrical lines and that the borings would need to be moved away from the pad. This will be addressed as follows:

TB-W: Intended to provide general coverage of the rail line will be moved a safe distance away from the transformer pad, but closer to the rail line. Soil samples will be collected from the fill material (if present) unless screening indicates significant contamination at a deeper interval and be analyzed for the full suite of parameters.

TB-X, Y and Z: Borings designed to evaluate PCBs in the vicinity of the transformer pad. Boring locations will not be moved, but will be located near (within 2 ft) the transformer pad. However, the borings will not exceed a depth of 1 ft and the samples will only be analyzed for PCBs.

Please retain this email for your records and include it in an appendix to the RI Report to document this modification.

Frank Sowers, P.E.
Environmental Engineer 2, Division of Environmental Remediation

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Heather McLennan

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Friday, April 01, 2016 11:34 AM
To: Heather McLennan
Cc: Jeff Danzinger; Nealon, Jacquelyn (HEALTH); Schilling, Bernette (DEC); Long, Robert (DEC)
Subject: RE: OBI Site No. 828188 Sample locations (CORRECTION)

Correction- TB-G/MW-G will be moved 4 ft. to the east (not west).

From: Sowers, Frank (DEC)
Sent: Friday, April 01, 2016 11:26 AM
To: 'Heather McLennan'
Cc: Jeff Danzinger; Nealon, Jacquelyn (HEALTH); Schilling, Bernette (DEC); Long, Robert (DEC)
Subject: OBI Site No. 828188 Sample locations

Heather,

Below is a summary of the status of the various sample location adjustments you requested.

1. Boring TB-DD: This locations was “to be determined” in the work plan based on the outcome of the recently completed utility assessment. You propose to place TB-DD in the former oil room area next to a 3” hole in the floor that was discovered during the utility assessment (see attached figure). The hole is blocked and the historic use is unknown. This location is acceptable.

2. Boring TB-EE: This locations was “to be determined” in the work plan based on the outcome of the recently completed utility assessment. While several locations were discussed, the current proposed location is just west of Sump 3 (see attached figure). Sump 3 is dry, plugged and the historic use is unknown. This boring may need to be advanced using a hand auger. This location is acceptable provided the boring can be advanced deeper than the bottom of the sump.

3. TB-Q/MW-Q: This needs to be moved account for overhead piping and floor process equipment on the floor. While several locations were discussed, the current proposed location is south and east as shown on the attached figure as TB-Q(B). This location is acceptable.

4. TB-G/MW-G: Proposed to move 4 ft. west to get out from under a wall. This location is acceptable.

5. TB-B/MW-B: Proposed to move 9 ft south to get out from under equipment. This request was withdrawn as the equipment can be moved.

6. TB-E: Proposed to move 6 ft west and 3 ft north to get out from under a computer station and stairwell. This location is acceptable.

7. TB-J: Proposed to move 4 ft south to get out from under a press machine. This location is acceptable.

8. TB-L: Proposed to move 2 ft south to get out from under equipment. This location is acceptable.

We also discussed that we need to consider collecting water samples from Sumps 1 and 2 when groundwater samples are collected from the monitoring wells.

Please keep this email for your records to document these minor modifications and include a copy of it in an Appendix to the RI Report.

Frank Sowers, P.E.
Environmental Engineer 2, Division of Environmental Remediation

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From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Friday, April 01, 2016 10:13 AM
To: Sowers, Frank (DEC)
Cc: Jeff Danzinger
Subject: RE: Remedial Investigation_245-265 Hollenbeck St, 271 Hollenbeck St, 50 Balfour Dr, NYSDEC Site No. 828188

Hi Frank,
Location B is the one we will try. We would also like to shift Test Boring BB (Location of former spillage/leakage area, and near location of BH-01 (i.e., historic location of potential petroleum impacted soil) approximately four feet northwest due to equipment and overhead lines.
Based on the site visit I did yesterday I'd like to move TB-EE to just west of Sump 3 (i.e., the abandoned sump). Please note that this location is in an office area and may only be accessible by hand-held equipment, which would limit the maximum vertical depth of the test boring to ~4 feet bgs.
Give me a call if you'd like to discuss.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

From: Sowers, Frank (DEC) [mailto:frank.sowers@dec.ny.gov]
Sent: Friday, April 01, 2016 9:21 AM
To: Heather McLennan
Cc: Jeff Danzinger
Subject: RE: Remedial Investigation_245-265 Hollenbeck St, 271 Hollenbeck St, 50 Balfour Dr, NYSDEC Site No. 828188

Heather,

I think either location for MW-Q will work, but I have a slight preference for location B. Location A is just a little closer to MW-17 than I would prefer.

So that just leaves the TB-EE location is still in question?

Frank Sowers, P.E.
Environmental Engineer 2, Division of Environmental Remediation

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www.dec.ny.gov | | |

From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Thursday, March 31, 2016 4:55 PM
To: Sowers, Frank (DEC)
Cc: Jeff Danzinger
Subject: RE: Remedial Investigation_245-265 Hollenbeck St, 271 Hollenbeck St, 50 Balfour Dr, NYSDEC Site No. 828188

Hi Frank,
As discussed, see attached for the possible changes to the location of TB-Q/MW-Q. Please let me know which of the possible locations would be preferable.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

From: Heather McLennan
Sent: Wednesday, March 30, 2016 12:07 PM
To: 'Sowers, Frank (DEC)'

Cc: Jeff Danzinger
Subject: Remedial Investigation_245-265 Hollenbeck St, 271 Hollenbeck St, 50 Balfour Dr, NYSDEC Site No. 828188

Hi Frank,
Please see the attached proposed sample and utility plan for the above referenced site. Sumps, trenches, holes, pipe chases, plating lines, women's washroom floor drains and the office floor drain were surveyed with a PID. PID values did not vary from background readings. As such, we propose placing TB-DD and TB-EE in the following locations:
TB-DD: former oil room area. An approximately 3" diameter hole was observed in the floor of the former oil room, abutting the north wall. The hole was blocked but the purpose is unknown. Please note that TB-I, depicted on the north exterior of this location was moved to the east of the oil room due to the presence of underground utilities.
TB-EE: Adjoining the wastewater process flow collection pit.

Additionally, some interior locations of test borings are not accessible due to the presence of equipment. The following changes are proposed for the locations of interior test borings:

TB-Q/MW-Q: move 3 feet west to place the boring between the two plating lines
TB-G/MW-G: move 4 feet east (depicted under a wall)
TB-B/MW-B: move 9 feet south (depicted under equipment)
TB-E: move 6 feet west, 3 feet north (depicted against a computer station and under a stairway)
TB-J: move 4 feet south (depicted under press machine)
TB-L: move 2 feet south (depicted under equipment)

Please let me know if the proposed locations of TB-DD and TB-EE, as well as the above requested changes for the test borings are acceptable.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

Legend

- Proposed Geoprobe test boring
- Proposed Geoprobe test boring completed as an overburden monitoring well (Note: locations of TB-DD and TB-EE to be confirmed by NYSDEC)
- Proposed surface soil samples - Exposure Assessment
- Proposed surface soil sample location - Historic Fill Evaluation
- Floor drain
- Washroom floor drain (WRFD)
- Condensate collection pit
- Sump pump
- Catch Basin
- Hole
- Oil Water Separator
- Manhole (MH)
- Cleanout
- Roof drain
- Sewer line removed
- Combined sewer line
- Trench drain
- Process piping
- Electric line
- Gas line
- Building
- Site boundary

N

NOTES:

- The discharge point of the following subsurface features was determined to be combined sewer system by dye testing and observation at Manhole 1 (i.e., combined sewer system):
  - Sump 1
  - Sump 2
  - Trench Drain 1
  - Catch Basin 1
- The discharge point of Floor Drain 2 was determined to be combined sewer system by dye testing and observation at Manhole 2 (i.e., combined sewer system)
- Sump 3 and Hole 1 were determined to be blocked by dye testing
- Floor Drain 3 was visually determined to discharge to the trench drain system
- Process piping system discharges to the wastewater treatment area
- Plating line liquid discharge enters overhead lines which then enter the process piping, which discharged to wastewater treatment area

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

DESIGNED BY	DRAWN BY	SCALE	DATE
RLK	CPS/CCD	AS NOTED	03-2016

DATE DRAWN	DATE ISSUED
03-2016	03-29-2016

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title
Site Plan Showing Utility Locations and Proposed Sample Locations

Project No.
5211S-16

FIGURE 1

Last Date Saved: 29 Mar 2016 Document Path: \\DAYGIS\GIS_Data\GIS Mapping\Mcalpin\5211S-16\Mcalpin5211S-4-Proposed Sample and Utility Plan 2016.mxd

(117)

5/16/16

Megalpin 52115-16

7:25 Hmm + SRR on-site
SRR at mw-H
Hmm at mw-3R

8:30 pumping rate at mw-H v. slow - ie. not through filling flow through cell after more than 30 minutes to keep water level stabilized - collecting mw-3R as 072-mw-3R and duplicate sample as 073-DUP5

10:00 Hmm at MW 3
SRR at mw-H w v low flow rate

10:20 SRR began collecting mw-H (074-mw-H)

10:45 Hmm began collecting 075-mw-3

11:00 called Frank Sowers to discuss flow rate at mw-H - can limit samples to only VOC VOA but DEC may require sampling in future even if re-drilling required

DAY

MEMORANDUM OF TELEPHONE CONVERSATION

PERSON WHO/WE CALLED: Frank Sowers

COMPANY OR AGENCY: NYSDEC

TELEPHONE NUMBER: 226-5357

DATE: 6/28/16 TIME: 940 AM/PM

CALLER: JAD / Hmm PROJECT: OBI. 52115-16

REGARDING:

NOTES:

Upcoming field work → week 6/29

1) IC-testing → mw-7R/mw-8, mw-1/mw-1R
2) Finish elev. survey mw's 16, 17, 18
3) characterization sampling of IDW drums
4) LNAPL sampling mw-17 – 0.05' thick sheen in May/early June
   → VOCs, TPH (8081)

DCSR - switching from EDV to Val-Data

Ok to all of the above

ACTION REQUIRED:

SUSPENSE DATE: ___/___/___

Heather McLennan

From: Jeff Danzinger
Sent: Tuesday, July 12, 2016 3:50 PM
To: 'June O Connor'
Cc: Heather McLennan
Subject: RE: SCSC23258

Yes. please proceed.

From: June O Connor [mailto:JuneOConnor@eurofinsUS.com]
Sent: Tuesday, July 12, 2016 3:42 PM
To: Jeff Danzinger
Cc: !US38_SVOC Dept Management
Subject: RE: SCSC23258

Hi Jeff-

I have just been told that the sample, if analyzed as a aqueous sample, is now ~one week out of hold time.

Do you want us to proceed with the data past the HT for the aqueous sample?

FYI - While the second jar may have had an LNAPL layer, it was used for the VOC extraction.

Thanks,
June

June O'Connor

Email: juneoconnor@EurofinsUS.com

From: June O Connor
Sent: Tuesday, July 12, 2016 9:45 AM
To: 'jdanzinger@daymail.net'
Cc: !US38_SVOC Dept Management
Subject: SCSC23258

Good morning, Jeff-

I 'm sorry I was unable to speak with you this morning but left you a message with the following information. Please review the question posed by the SVOC staff.

SC23258-03 is logged in for an TPH8100 product and in the comments it states to run "LNAPL portion only". There is no line distinguishing layers between gas and what appears to be water. How we should proceed with the extraction?

The sample does have a definitive fuel smell; however we only have ~ 8oz of liquid we can extract. Typical volume for an aqueous TPH 8100 scan is one liter. If we analyze as an aqueous sample, RLs will be elevated.

Let us know how you want us to proceed.

Thank you,
June

June O'Connor
Laboratory Director

Eurofins Spectrum Analytical, Inc.
830 Silver Street
Agawam, MA 01001
USA
Phone: 413-789-9018
Fax: 413-789-4076

Email: JuneOConnor@EurofinsUS.com
Website: http://www.eurofinsus.com/Spectrum

DAY

MEMORANDUM OF TELEPHONE CONVERSATION

PERSON WHO/WE CALLED: Frank Sowers

COMPANY OR AGENCY: DEC

TELEPHONE NUMBER: (585) 226-5357

DATE: 7/26/2016 **TIME:** 8:40 AM/PM

CALLER: Hmm **PROJECT:** 52115-16.081

REGARDING: additional soil sample for TCL/TAL at SS-7 (0-1)

NOTES:

- Called Frank - let him know that DAY will be at McAlpin Site today to collect sample at SS-7 - submit for TCL/TAL
- Orginal spls collected were SS-7 (0-1) → TPH only
  SS-7 (1-2) → VOC, SVOC, metals only
- would like to delineate vertically the upper 1 ft. b/c of [SVOC] in 1-2 interval
- Frank agreed

ACTION REQUIRED:

SUSPENSE DATE: _____/_____/_____

Heather McLennan

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Wednesday, September 14, 2016 4:05 PM
To: Heather McLennan
Cc: Ray Kampff; David Day; Nate Simon; Jeff Danzinger; mmcalpin@mcalpin-ind.com
Subject: RE: OBI LLC, NYSDEC Site 828188, Revised Work Plan

Heather,

I just received DOH concurrence. I will get you a formal approval letter, but the supplemental work plan is acceptable and you can go ahead with sampling.

Frank Sowers, P.E.
Environmental Engineer 2, Division of Environmental Remediation

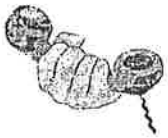
New York State Department of Environmental Conservation
6274 East Avon-Lima Rd, Avon, NY 14414
P: (585) 226-5357 | F: (585) 226-8139 | frank.sowers@dec.ny.gov

www.dec.ny.gov |

From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Tuesday, September 06, 2016 8:32 AM
To: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Cc: Deming, Justin H (HEALTH) <justin.deming@health.ny.gov>; Nealon, Jacquelyn E. (HEALTH) <jacquelyn.nealon@health.ny.gov>; Mahoney, James W (DEC) <james.mahoney@dec.ny.gov>; Ray Kampff <RKampff@daymail.net>; David Day <DDay@daymail.net>; Nate Simon <NSimon@daymail.net>; Jeff Danzinger <JDanzinger@daymail.net>; mmcalpin@mcalpin-ind.com
Subject: OBI LLC, NYSDEC Site 828188, Revised Work Plan

Frank,
As discussed, please find attached the proposed Supplemental Work Plan for the property located at 245-265 Hollenbeck Street, 271 Hollenbeck Street, and 50 Balfour Drive, Rochester, NY, NYSDEC Site No. 828188. Please contact this office with any questions.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825



DAY

MEMORANDUM OF TELEPHONE CONVERSATION

PERSON WHO/WE CALLED: Frank Sowers

COMPANY OR AGENCY: NYSDEC

TELEPHONE NUMBER: 226-5357

DATE: 9/21/2016 TIME: AM AM/PM

CALLER: JCHD PROJECT: OBI. 52115-16

REGARDING: _____

NOTES:

left voicemail with Frank Sowers that MW-13 did not contain adequate groundwater to obtain a sample; however, historic data for this well has been consistent.

- wanted confirm. with Frank he is ok that MW-13 would not be included in the 2nd Round GW sampling event.

9/21/2016 → PM Frank called back and left voicemail stating he understands and is ok that MW-13 will not be included in the 2nd Round GW sampling event

ACTION REQUIRED: _____

SUSPENSE DATE: ____/____/____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

October 6, 2016

Mr. Mike McAlpin
OBI, LLC
255 Hollenbeck Street
Rochester, New York 14621

Dear Mr. McAlpin;

Re: OBI, LLC Site #828188
Supplemental RI Work Plan;
September 6, 2016
245-265 & 271 Hollenbeck Street and 50 Balfour Drive
City of Rochester, Monroe County

The New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH), collectively referred to as the Departments, have completed their review of the document entitled *"Supplemental RI Work Plan"* (the Work Plan) dated September 6, 2016 and prepared by Day Environmental, Inc for the OBI, LLC site in the City of Rochester, Monroe County. Based on the information and representations provided in the Work Plan, and in accordance with 6 NYCRR 375-1.6, the Departments have determined that the Work Plan substantially addresses the requirements of the Order-on-Consent. The Work Plan is hereby approved.

Thank you for your cooperation in this matter and please contact me at (585) 226-5357 if you have any questions.

Sincerely,

Frank Sowers

Frank Sowers, P.E.
Environmental Engineer 2

ec:
B. Schilling
J. Nealon
H. McLennan
W. Silkworth
J. Frazer

Heather McLennan

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Monday, October 24, 2016 2:33 PM
To: Heather McLennan
Cc: David Day; Jeff Danzinger; Nate Simon; Ray Kampff
Subject: RE: OBI Site No. 828188_Extension Request

An extension until December 30, 2016 is acceptable. Thank you.

Frank Sowers, P.E.
Environmental Engineer 2, Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Rd, Avon, NY 14414
P: (585) 226-5357 | F: (585) 226-8139 | frank.sowers@dec.ny.gov

www.dec.ny.gov |

From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Monday, October 24, 2016 2:32 PM
To: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Cc: David Day <DDay@daymail.net>; Jeff Danzinger <JDanzinger@daymail.net>; Nate Simon <NSimon@daymail.net>; Ray Kampff <RKampff@daymail.net>
Subject: OBI Site No. 828188_Extension Request

Frank,
As discussed with David Day, Day Environmental, Inc. is requesting an extension for submission of the RI/FS report for the OBI LLC Site located at 245-265 & 271 Hollenbeck Street and 50 Balfour Drive, Rochester, New York, NYSDEC Site No. 828188 until December 30th, 2016.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 I F: (585) 226-8139
www.dec.ny.gov

March 17, 2017

Mr. Mike McAlpin
OBI, LLC
255 Hollenbeck Street
Rochester, New York 14621

Dear Mr. McAlpin;

Re: OBI, LLC Site #828188
Supplemental Remedial Investigation Work Plan;
March 16, 2017
245-265 & 271 Hollenbeck Street and 50 Balfour Drive
City of Rochester, Monroe County

The New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH), collectively referred to as the Departments, have completed their review of the document entitled *"Supplemental Remedial Investigation Work Plan"* (the Work Plan) dated March 16, 2017 and prepared by Day Environmental, Inc for the OBI, LLC site in the City of Rochester, Monroe County. Based on the information and representations provided in the Work Plan, and in accordance with 6 NYCRR 375-1.6, the Departments have determined that the Work Plan substantially addresses the requirements of the Order-on-Consent. The Work Plan, including the revised schedule to submit the RI/FS Report on or before August 25, 2017, is hereby approved.

Thank you for your cooperation in this matter and please contact me at (585) 226-5357 if you have any questions.

Sincerely,

Frank Sowers

Frank Sowers, P.E.
Environmental Engineer 2

ec:
B. Schilling
J. Nealon
H. McLennan
W. Silkworth
J. Frazer
D. Loew

APPENDIX L

Data Usability Summary Reports

DATA USABILITY SUMMARY REPORT

For

MCALPIN - ROCHESTER, NY / 5211S-16
SOIL & WATER SAMPLES

Volatiles, Semi-volatiles, Pesticides, PCBs, TPH, Metals, Mercury and Cyanide

SDG No: SC18063
Sampling Dates: February 8-9, 2016

Submitted to:

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Prepared by:
Environmental Occupational & Public Health Consultants Inc. (EOPHC, Inc.)
Environmental Data Validation Inc (EDV, Inc.)
1326 Orangewood Ave
Pittsburgh, PA 15216
(412) 341-5281

DATA USABILITY SUMMARY REPORT
Volatiles, Semi-volatiles, Pesticides, PCB, TPH, Metals & Cyanide
USEPA REGION II

Site: McAlpin SDG #: SC18063

Client: Day Environmental, Inc. Date: June 1, 2016

Laboratory: Spectrum Analytical Reviewer: L. Wright

Sample Identification Table

Client Sample ID	Laboratory ID	Matrix	VOCs	SVOC	Pest/ PCB	TPH	Metals/ Mercury	Cyanide
002-SS-3 (0-1)	SC18063-02	Soil	X	X	X	X	X	X
003-SSE-1 (0-0.18)	SC18063-03	Soil	X	X	X		X	X
004-SS-2 (0-1)	SC18063-04	Soil				X		
005-SS-1 (0-1)	SC18063-05	Soil				X		
006-SSE-3 (0-0.18)	SC18063-06	Soil	X	X	X		X	X
007-SS-4 (0-1)	SC18063-07	Soil		X		X	X	X
008-SS-4 (1.2)	SC18063-08	Soil		X		X	X	X
009-SSE-4 (0-0.18)	SC18063-09	Soil	X	X			X	X
010-SSE-5 (0-0.18)	SC18063-10	Soil	X	X	X		X	X
011-SS-10 (0-1)	SC18063-11	Soil				X		
012-MW-1R (0-1)	SC18063-12	Soil	X	X	X	X		
013-SS-9 (0-1)	SC18063-13	Soil		X		X		
014-TB-P (0-1)	SC18063-14	Soil				X		
015-SS-8 (0-1)	SC18063-15	Soil		X		X	X	X
016-SS-8 (1.8)	SC18063-16	Soil		X			X	X
017-TB-H (0-1)	SC18063-17	Soil	X	X	X	X	X	X
018-MW-19 (0-1)	SC18063-18	Soil	X	X	X	X	X	X
019-SS-5 (0-1)	SC18063-19	Soil	X	X	X	X	X	X
DUP1-02-09-2016	SC18063-20	Soil	X	X	X	X	X	X
020-SS-6 (0-1)	SC18063-21	Soil				X		
021-SS-7 (0-1)	SC18063-22	Soil				X		
022-SS-7 (1-2)	SC18063-23	Soil	X	X		X	X	X
023-TP-A (0-1)	SC18063-24	Soil	X	X		X	X	X
FB-02-09-2016	SC18063-25	Water	X	X		X	X	X

The data package contained twenty three (23) soils and one field blank. The samples were analyzed via Method SW-846 8260C, 8270D, 8081B, 8082A, 8100Mod, 6010C, 7471A and 9012B. The adherence of laboratory analytical performance to this method's analytical specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (DER-10, 11/09). USEPA Region II checklists were used as guidance documents. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, laboratory controls, surrogate recoveries, spike recoveries, and sample data. All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): All criteria were met. The deficiencies noted in the case narrative have been discussed in applicable sections.

Chain of Custody (COC): All were present.

Holding Time: Holding times were within acceptable criterion for all samples and analyses.

Blanks Quality Control: The following were qualified due to field blank deficiency

Sample Identification	Compound	Qualifier
SC18063-02 SC18063-03 SC18063-06 SC18063-07 SC18063-08 SC18063-09 SC18063-10 SC18063-13 SC18063-15 SC18063-17 SC18063-19 SC18063-20 SC18063-23 SC18063-24	Sodium	U

Calibration Quality Control: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC18063-19 SC18063-20 SC18063-23 SC18063-24	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5-Trichlorobenzene Ethanol Hexachlorobutadiene n-Butylbenzene	UJ
SC18063-03 SC18063-06 SC18063-09 SC18063-10	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5-Trichlorobenzene Hexachlorobutadiene n-Butylbenzene	UJ
SC18063-09	Ethanol	J
SC18063-02 SC18063-12	1,2,4-Trichlorobenzene	UJ

Sample Identification	Compound	Qualifier
SC18063-18		
SC18063-02 SC18063-03 SC18063-06 SC18063-07 SC18063-08 SC18063-09 SC18063-12 SC18063-13 SC18063-15 SC18063-16 SC18063-17 SC18063-23 SC18063-24	3-Nitroaniline 4-Chloroaniline 4-Nitroaniline	UJ
SC18063-18 SC18063-19 SC18063-20 SC18063-23	3-Nitroaniline (22.8%) 4-Nitroaniline	UJ

Laboratory Control Sample (LCS): The results were acceptable.

Surrogates: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
02, 11-13, 22-23 SC18063-02 SC18063-11 to SC18063-13 SC18063-22 to SC18063-23	Unidentified Other oils TPH	J

Matrix Spike: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC18063-02	Cadmium, silver, manganese, antimony	J-
	Potassium	J+
SC18063-03 SC18063-06 SC18063-07 SC18063-08 SC18063-09 SC18063-15	Cadmium, manganese	J-
	Potassium,	J+
	Antimony, silver	UJ

Sample Identification	Compound	Qualifier
SC18063-16 SC18063-17 SC18063-19 SC18063-20 SC18063-24		
SC18063-10 SC18063-13 SC18063-23	Cadmium, manganese, silver	J-
	Potassium	J+
	Antimony	UJ
SC18063-12 SC18063-18	Cadmium, manganese, antimony	J-
	Potassium	J+
	Silver	UJ
SC18063-06	Cyanide	UJ

Matrix Duplicate: Some results exceeded QC limits however, the analytes were already qualified due to other deficiencies and required no further qualification.

Serial Dilution: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC18063-02 SC18063-03 SC18063-06 SC18063-07 SC18063-08 SC18063-09 SC18063-10 SC18063-12 SC18063-13 SC18063-15 SC18063-16 SC18063-17 SC18063-18 SC18063-19 SC18063-20 SC18063-23 SC18063-24	Aluminum, barium, calcium, chromium, copper, iron, lead, magnesium, nickel, zinc	J

Internal Standards: The internal standards did not report any deficiencies and are acceptable.

Field Duplicate: The following RPDs were calculated.

Compound/ element	Duplicate	Sample			RPD
Acenaphthylene	65.4	68	2.6	100.7	3%
Anthracene	127	58.4	-68.6	121.9	-56%
Benzo (a) anthracene	347	224	-123	397.5	-31%
Benzo (a) pyrene	302	198	-104	349	-30%
Benzo (b) fluoranthene	420	290	-130	500	-26%
Benzo (g,h,i) perylene	165	111	-54	193.5	-28%
Benzo (k) fluoranthene	167	141	-26	224.5	-12%
Chrysene	341	250	-91	420.5	-22%
Dibenzo(a,h)anthracene	43.9	31.6	-12.3	53.55	-23%
Dibenzofuran	34.1	18	-16.1	35.05	-46%
Fluoranthene	644	373	-271	695	-39%
Indeno(1,2,3-cd) pyrene	207	142	-65	245.5	-26%
2-Methylnaphthalene	42.7	46.4	3.7	67.75	5%
Phenanthrene	463	149	-314	380.5	-83%
Pyrene	580	391	-189	681	-28%
1-Methylnaphthalene	43.5	37.2	-6.3	58.95	-11%
4,4'-DDE (p,p')	1.33	1.51	0.18	2.175	8%
4,4'-DDT (p,p')	3.27	1.81	-1.46	3.445	-42%
Unidentified	212	100	-112	206	-54%
Other oils	3.2	3.2	0	4.8	0%
TPH	212	100	-112	206	-54%
Sodium	71.4	73.9	2.5	109.6	2%
Arsenic	5.25	4.82	-0.43	7.445	-6%
Beryllium	0.763	0.692	-0.071	1.0735	-7%
Cobalt	4.98	4.75	-0.23	7.24	-3%
Vanadium	15.2	14.8	-0.4	22.4	-2%

Compound Quantitation: Quantitation was acceptable.

Additional Comments: The aqueous MS/MSD was performed on a QC sample.

Data usability: Data qualified with the "UJ" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "J" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "R" qualifier are not usable due to severe quality control issues. Data qualified with the "U" qualifier are usable as there are no quality control issues.

ATTACHMENT A

FORM 1s

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	1806302.D		
Sampled:	02/08/16 11:20	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 13:17		
% Solids:	80.33	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.23 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.1	2.1	5.5	U
67-64-1	Acetone	6.1	6.1	55.3	U
107-13-1	Acrylonitrile	2.1	2.1	5.5	U
71-43-2	Benzene	1.0	1.0	5.5	U
108-86-1	Bromobenzene	1.0	1.0	5.5	U
74-97-5	Bromochloromethane	2.2	2.2	5.5	U
75-27-4	Bromodichloromethane	1.4	1.4	5.5	U
75-25-2	Bromoform	1.5	1.5	5.5	U
74-83-9	Bromomethane	3.2	3.2	11.1	U
78-93-3	2-Butanone (MEK)	3.2	3.2	55.3	U
104-51-8	n-Butylbenzene	0.8	0.8	5.5	U
135-98-8	sec-Butylbenzene	1.2	1.2	5.5	U
98-06-6	tert-Butylbenzene	2.3	2.3	5.5	U
75-15-0	Carbon disulfide	1.2	1.2	11.1	U
56-23-5	Carbon tetrachloride	1.2	1.2	5.5	U
108-90-7	Chlorobenzene	0.9	0.9	5.5	U
75-00-3	Chloroethane	1.9	1.9	11.1	U
67-66-3	Chloroform	1.8	1.8	5.5	U
74-87-3	Chloromethane	1.9	1.9	11.1	U
95-49-8	2-Chlorotoluene	1.4	1.4	5.5	U
106-43-4	4-Chlorotoluene	1.1	1.1	5.5	U
96-12-8	1,2-Dibromo-3-chloropropane	4.1	4.1	11.1	U
124-48-1	Dibromochloromethane	1.2	1.2	5.5	U
106-93-4	1,2-Dibromoethane (EDB)	1.1	1.1	5.5	U
74-95-3	Dibromomethane	1.1	1.1	5.5	U
95-50-1	1,2-Dichlorobenzene	1.0	1.0	5.5	U
541-73-1	1,3-Dichlorobenzene	0.9	0.9	5.5	U
106-46-7	1,4-Dichlorobenzene	1.3	1.3	5.5	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.8	1.8	11.1	U
75-34-3	1,1-Dichloroethane	1.7	1.7	5.5	U
107-06-2	1,2-Dichloroethane	1.3	1.3	5.5	U
75-35-4	1,1-Dichloroethene	2.6	2.6	5.5	U
156-59-2	cis-1,2-Dichloroethene	2.0	2.0	5.5	U
156-60-5	trans-1,2-Dichloroethene	2.4	2.4	5.5	U
78-87-5	1,2-Dichloropropane	2.2	2.2	5.5	U
142-28-9	1,3-Dichloropropane	1.1	1.1	5.5	U
594-20-7	2,2-Dichloropropane	2.6	2.6	5.5	U
563-58-6	1,1-Dichloropropene	1.4	1.4	5.5	U
10061-01-5	cis-1,3-Dichloropropene	1.5	1.5	5.5	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	1806302.D		
Sampled:	02/08/16 11:20	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 13:17		
% Solids:	80.33	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.23 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1.9	1.9	5.5	U
100-41-4	Ethylbenzene	1.0	1.0	5.5	U
87-68-3	Hexachlorobutadiene	1.2	1.2	5.5	U
591-78-6	2-Hexanone (MBK)	3.7	3.7	55.3	U
98-82-8	Isopropylbenzene	1.1	1.1	5.5	U
99-87-6	4-Isopropyltoluene	5.2	5.2	5.5	U
1634-04-4	Methyl tert-butyl ether	2.1	2.1	5.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	3.0	3.0	55.3	U
75-09-2	Methylene chloride	1.6	1.6	11.1	U
91-20-3	Naphthalene	0.9	0.9	5.5	U
103-65-1	n-Propylbenzene	5.4	5.4	5.5	U
100-42-5	Styrene	1.0	1.0	5.5	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	1.2	5.5	U
79-34-5	1,1,2,2-Tetrachloroethane	3.0	3.0	5.5	U
127-18-4	Tetrachloroethene	2.1	2.1	5.5	U
108-88-3	Toluene	1.3	1.3	5.5	U
87-61-6	1,2,3-Trichlorobenzene	1.2	1.2	5.5	U
120-82-1	1,2,4-Trichlorobenzene	1.7	1.7	5.5	U
71-55-6	1,1,1-Trichloroethane	1.4	1.4	5.5	U
108-70-3	1,3,5-Trichlorobenzene	1.1	1.1	5.5	U
79-00-5	1,1,2-Trichloroethane	1.5	1.5	5.5	U
79-01-6	Trichloroethene	1.0	1.0	5.5	U
75-69-4	Trichlorofluoromethane (Freon 11)	2.0	2.0	5.5	U
96-18-4	1,2,3-Trichloropropane	1.1	1.1	5.5	U
95-63-6	1,2,4-Trimethylbenzene	1.4	1.4	5.5	U
108-67-8	1,3,5-Trimethylbenzene	1.6	1.6	5.5	U
75-01-4	Vinyl chloride	2.0	2.0	5.5	U
179601-23-1	m,p-Xylene	1.1	1.1	11.1	U
95-47-6	o-Xylene	1.2	1.2	5.5	U
109-99-9	Tetrahydrofuran	5.9	5.9	11.1	U
60-29-7	Ethyl ether	1.3	1.3	5.5	U
994-05-8	Tert-amyl methyl ether	1.7	1.7	5.5	U
637-92-3	Ethyl tert-butyl ether	1.8	1.8	5.5	U
108-20-3	Di-isopropyl ether	0.9	0.9	5.5	U
75-65-0	Tert-Butanol / butyl alcohol	32.2	32.2	55.3	U
110-57-6	trans-1,4-Dichloro-2-butene	7.2	7.2	27.6	U
110-82-7	Cyclohexane	1.3	1.3	27.6	U
1330-20-7	Total Xylenes	1.1	1.1	5.5	U
79-20-9	Methyl acetate	1.7	1.7	27.6	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	1806302.D		
Sampled:	02/08/16 11:20	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 13:17		
% Solids:	80.33	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.23 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.3	1.3	27.6	U
123-91-1	1,4-Dioxane	62.2	62.2	111	U
64-17-5	Ethanol	128	128	2210	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	1806302.D		
Sampled:	02/08/16 11:20	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 13:17		
% Solids:	80.33	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.23 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	1806303.D		
Sampled:	02/08/16 11:55	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 01:44		
% Solids:	76.17	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.48 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.3	2.3	6.0	U
67-64-1	Acetone	6.6	6.6	59.5	U
107-13-1	Acrylonitrile	2.2	2.2	6.0	U
71-43-2	Benzene	1.1	1.1	6.0	U
108-86-1	Bromobenzene	1.1	1.1	6.0	U
74-97-5	Bromochloromethane	2.4	2.4	6.0	U
75-27-4	Bromodichloromethane	1.5	1.5	6.0	U
75-25-2	Bromoform	1.6	1.6	6.0	U
74-83-9	Bromomethane	3.4	3.4	11.9	U
78-93-3	2-Butanone (MEK)	3.5	3.5	59.5	U
104-51-8	n-Butylbenzene	0.9	0.9	6.0	U J
135-98-8	sec-Butylbenzene	1.3	1.3	6.0	U
98-06-6	tert-Butylbenzene	2.5	2.5	6.0	U
75-15-0	Carbon disulfide	1.3	1.3	11.9	U
56-23-5	Carbon tetrachloride	1.3	1.3	6.0	U
108-90-7	Chlorobenzene	1.0	1.0	6.0	U
75-00-3	Chloroethane	2.1	2.1	11.9	U
67-66-3	Chloroform	2.0	2.0	6.0	U
74-87-3	Chloromethane	2.0	2.0	11.9	U
95-49-8	2-Chlorotoluene	1.5	1.5	6.0	U
106-43-4	4-Chlorotoluene	1.2	1.2	6.0	U
96-12-8	1,2-Dibromo-3-chloropropane	4.4	4.4	11.9	U
124-48-1	Dibromochloromethane	1.3	1.3	6.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.2	1.2	6.0	U
74-95-3	Dibromomethane	1.2	1.2	6.0	U
95-50-1	1,2-Dichlorobenzene	1.0	1.0	6.0	U
541-73-1	1,3-Dichlorobenzene	1.0	1.0	6.0	U
106-46-7	1,4-Dichlorobenzene	1.5	1.5	6.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	2.0	11.9	U
75-34-3	1,1-Dichloroethane	1.9	1.9	6.0	U
107-06-2	1,2-Dichloroethane	1.4	1.4	6.0	U
75-35-4	1,1-Dichloroethene	2.9	2.9	6.0	U
156-59-2	cis-1,2-Dichloroethene	2.2	2.2	6.0	U
156-60-5	trans-1,2-Dichloroethene	2.6	2.6	6.0	U
78-87-5	1,2-Dichloropropane	2.3	2.3	6.0	U
142-28-9	1,3-Dichloropropane	1.2	1.2	6.0	U
594-20-7	2,2-Dichloropropane	2.8	2.8	6.0	U
563-58-6	1,1-Dichloropropene	1.5	1.5	6.0	U
10061-01-5	cis-1,3-Dichloropropene	1.6	1.6	6.0	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	1806303.D		
Sampled:	02/08/16 11:55	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 01:44		
% Solids:	76.17	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.48 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	2.0	2.0	6.0	U
100-41-4	Ethylbenzene	1.0	1.0	6.0	U
87-68-3	Hexachlorobutadiene	1.3	1.3	6.0	U J
591-78-6	2-Hexanone (MBK)	4.0	4.0	59.5	U
98-82-8	Isopropylbenzene	1.1	1.1	6.0	U
99-87-6	4-Isopropyltoluene	5.6	5.6	6.0	U
1634-04-4	Methyl tert-butyl ether	2.3	2.3	6.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	3.2	59.5	U
75-09-2	Methylene chloride	1.7	1.7	11.9	U
91-20-3	Naphthalene	1.0	1.0	6.0	U
103-65-1	n-Propylbenzene	5.8	5.8	6.0	U
100-42-5	Styrene	1.0	1.0	6.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.3	1.3	6.0	U
79-34-5	1,1,2,2-Tetrachloroethane	3.2	3.2	6.0	U
127-18-4	Tetrachloroethene	2.3	2.3	6.0	U
108-88-3	Toluene	1.4	1.4	6.0	U
87-61-6	1,2,3-Trichlorobenzene	1.3	1.3	6.0	U J
120-82-1	1,2,4-Trichlorobenzene	1.8	1.8	6.0	U J
71-55-6	1,1,1-Trichloroethane	1.5	1.5	6.0	U
108-70-3	1,3,5-Trichlorobenzene	1.2	1.2	6.0	U J
79-00-5	1,1,2-Trichloroethane	1.6	1.6	6.0	U
79-01-6	Trichloroethene	1.0	1.0	6.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	2.1	2.1	6.0	U
96-18-4	1,2,3-Trichloropropane	1.1	1.1	6.0	U
95-63-6	1,2,4-Trimethylbenzene	1.5	1.5	6.0	U
108-67-8	1,3,5-Trimethylbenzene	1.7	1.7	6.0	U
75-01-4	Vinyl chloride	2.2	2.2	6.0	U
179601-23-1	m,p-Xylene	1.2	1.2	11.9	U
95-47-6	o-Xylene	1.3	1.3	6.0	U
109-99-9	Tetrahydrofuran	6.4	6.4	11.9	U
60-29-7	Ethyl ether	1.4	1.4	6.0	U
994-05-8	Tert-amyl methyl ether	1.8	1.8	6.0	U
637-92-3	Ethyl tert-butyl ether	2.0	2.0	6.0	U
108-20-3	Di-isopropyl ether	1.0	1.0	6.0	U
75-65-0	Tert-Butanol / butyl alcohol	34.7	34.7	59.5	U
110-57-6	trans-1,4-Dichloro-2-butene	7.7	7.7	29.8	U
110-82-7	Cyclohexane	1.4	1.4	29.8	U
1330-20-7	Total Xylenes	1.2	1.2	6.0	U
79-20-9	Methyl acetate	1.9	1.9	29.8	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	1806303.D		
Sampled:	02/08/16 11:55	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 01:44		
% Solids:	76.17	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.48 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.4	1.4	29.8	U
123-91-1	1,4-Dioxane	67.0	67.0	119	U
64-17-5	Ethanol	235	137	2380	J

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	1806303.D		
Sampled:	02/08/16 11:55	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 01:44		
% Solids:	76.17	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.48 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	1806306.D		
Sampled:	02/08/16 13:12	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 02:13		
% Solids:	76.32	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.02 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.7	2.7	7.0	U
67-64-1	Acetone	7.7	7.7	69.9	U
107-13-1	Acrylonitrile	2.6	2.6	7.0	U
71-43-2	Benzene	1.3	1.3	7.0	U
108-86-1	Bromobenzene	1.3	1.3	7.0	U
74-97-5	Bromochloromethane	2.8	2.8	7.0	U
75-27-4	Bromodichloromethane	1.8	1.8	7.0	U
75-25-2	Bromoform	1.9	1.9	7.0	U
74-83-9	Bromomethane	4.0	4.0	14.0	U
78-93-3	2-Butanone (MEK)	4.1	4.1	69.9	U
104-51-8	n-Butylbenzene	1.0	1.0	7.0	U J
135-98-8	sec-Butylbenzene	1.6	1.6	7.0	U
98-06-6	tert-Butylbenzene	2.9	2.9	7.0	U
75-15-0	Carbon disulfide	1.5	1.5	14.0	U
56-23-5	Carbon tetrachloride	1.5	1.5	7.0	U
108-90-7	Chlorobenzene	1.1	1.1	7.0	U
75-00-3	Chloroethane	2.4	2.4	14.0	U
67-66-3	Chloroform	2.3	2.3	7.0	U
74-87-3	Chloromethane	2.3	2.3	14.0	U
95-49-8	2-Chlorotoluene	1.8	1.8	7.0	U
106-43-4	4-Chlorotoluene	1.4	1.4	7.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.2	5.2	14.0	U
124-48-1	Dibromochloromethane	1.6	1.6	7.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.4	1.4	7.0	U
74-95-3	Dibromomethane	1.4	1.4	7.0	U
95-50-1	1,2-Dichlorobenzene	1.2	1.2	7.0	U
541-73-1	1,3-Dichlorobenzene	1.1	1.1	7.0	U
106-46-7	1,4-Dichlorobenzene	1.7	1.7	7.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.3	2.3	14.0	U
75-34-3	1,1-Dichloroethane	2.2	2.2	7.0	U
107-06-2	1,2-Dichloroethane	1.7	1.7	7.0	U
75-35-4	1,1-Dichloroethene	3.3	3.3	7.0	U
156-59-2	cis-1,2-Dichloroethene	2.6	2.6	7.0	U
156-60-5	trans-1,2-Dichloroethene	3.0	3.0	7.0	U
78-87-5	1,2-Dichloropropane	2.7	2.7	7.0	U
142-28-9	1,3-Dichloropropane	1.4	1.4	7.0	U
594-20-7	2,2-Dichloropropane	3.3	3.3	7.0	U
563-58-6	1,1-Dichloropropene	1.7	1.7	7.0	U
10061-01-5	cis-1,3-Dichloropropene	1.8	1.8	7.0	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	1806306.D		
Sampled:	02/08/16 13:12	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 02:13		
% Solids:	76.32	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.02 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	2.4	2.4	7.0	U
100-41-4	Ethylbenzene	1.2	1.2	7.0	U
87-68-3	Hexachlorobutadiene	1.5	1.5	7.0	U J
591-78-6	2-Hexanone (MBK)	4.7	4.7	69.9	U
98-82-8	Isopropylbenzene	1.3	1.3	7.0	U
99-87-6	4-Isopropyltoluene	6.6	6.6	7.0	U
1634-04-4	Methyl tert-butyl ether	2.7	2.7	7.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	3.8	3.8	69.9	U
75-09-2	Methylene chloride	2.0	2.0	14.0	U
91-20-3	Naphthalene	1.1	1.1	7.0	U
103-65-1	n-Propylbenzene	6.8	6.8	7.0	U
100-42-5	Styrene	1.2	1.2	7.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.5	1.5	7.0	U
79-34-5	1,1,2,2-Tetrachloroethane	3.8	3.8	7.0	U
127-18-4	Tetrachloroethene	2.7	2.7	7.0	U
108-88-3	Toluene	1.6	1.6	7.0	U
87-61-6	1,2,3-Trichlorobenzene	1.5	1.5	7.0	U J
120-82-1	1,2,4-Trichlorobenzene	2.1	2.1	7.0	U J
71-55-6	1,1,1-Trichloroethane	1.8	1.8	7.0	U
108-70-3	1,3,5-Trichlorobenzene	1.4	1.4	7.0	U J
79-00-5	1,1,2-Trichloroethane	1.9	1.9	7.0	U
79-01-6	Trichloroethene	1.2	1.2	7.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	2.5	2.5	7.0	U
96-18-4	1,2,3-Trichloropropane	1.3	1.3	7.0	U
95-63-6	1,2,4-Trimethylbenzene	1.8	1.8	7.0	U
108-67-8	1,3,5-Trimethylbenzene	2.0	2.0	7.0	U
75-01-4	Vinyl chloride	2.5	2.5	7.0	U
179601-23-1	m,p-Xylene	1.4	1.4	14.0	U
95-47-6	o-Xylene	1.5	1.5	7.0	U
109-99-9	Tetrahydrofuran	7.5	7.5	14.0	U
60-29-7	Ethyl ether	1.6	1.6	7.0	U
994-05-8	Tert-amyl methyl ether	2.2	2.2	7.0	U
637-92-3	Ethyl tert-butyl ether	2.3	2.3	7.0	U
108-20-3	Di-isopropyl ether	1.1	1.1	7.0	U
75-65-0	Tert-Butanol / butyl alcohol	40.8	40.8	69.9	U
110-57-6	trans-1,4-Dichloro-2-butene	9.1	9.1	35.0	U
110-82-7	Cyclohexane	1.6	1.6	35.0	U
1330-20-7	Total Xylenes	1.4	1.4	7.0	U
79-20-9	Methyl acetate	2.2	2.2	35.0	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	1806306.D		
Sampled:	02/08/16 13:12	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 02:13		
% Solids:	76.32	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.02 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.7	1.7	35.0	U
123-91-1	1,4-Dioxane	78.7	78.7	140	U
64-17-5	Ethanol	1440	161	2800	J

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	1806306.D		
Sampled:	02/08/16 13:12	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 02:13		
% Solids:	76.32	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.02 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	1806309.D		
Sampled:	02/08/16 13:55	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 02:43		
% Solids:	82.40	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.09 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.0	2.0	5.3	U
67-64-1	Acetone	5.9	5.9	53.5	U
107-13-1	Acrylonitrile	2.0	2.0	5.3	U
71-43-2	Benzene	1.0	1.0	5.3	U
108-86-1	Bromobenzene	1.0	1.0	5.3	U
74-97-5	Bromochloromethane	2.1	2.1	5.3	U
75-27-4	Bromodichloromethane	1.4	1.4	5.3	U
75-25-2	Bromoform	1.5	1.5	5.3	U
74-83-9	Bromomethane	3.1	3.1	10.7	U
78-93-3	2-Butanone (MEK)	3.1	3.1	53.5	U
104-51-8	n-Butylbenzene	0.8	0.8	5.3	U J
135-98-8	sec-Butylbenzene	1.2	1.2	5.3	U
98-06-6	tert-Butylbenzene	2.3	2.3	5.3	U
75-15-0	Carbon disulfide	1.2	1.2	10.7	U
56-23-5	Carbon tetrachloride	1.2	1.2	5.3	U
108-90-7	Chlorobenzene	0.9	0.9	5.3	U
75-00-3	Chloroethane	1.9	1.9	10.7	U
67-66-3	Chloroform	1.8	1.8	5.3	U
74-87-3	Chloromethane	1.8	1.8	10.7	U
95-49-8	2-Chlorotoluene	1.4	1.4	5.3	U
106-43-4	4-Chlorotoluene	1.0	1.0	5.3	U
96-12-8	1,2-Dibromo-3-chloropropane	4.0	4.0	10.7	U
124-48-1	Dibromochloromethane	1.2	1.2	5.3	U
106-93-4	1,2-Dibromoethane (EDB)	1.1	1.1	5.3	U
74-95-3	Dibromomethane	1.1	1.1	5.3	U
95-50-1	1,2-Dichlorobenzene	0.9	0.9	5.3	U
541-73-1	1,3-Dichlorobenzene	0.9	0.9	5.3	U
106-46-7	1,4-Dichlorobenzene	1.3	1.3	5.3	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.8	1.8	10.7	U
75-34-3	1,1-Dichloroethane	1.7	1.7	5.3	U
107-06-2	1,2-Dichloroethane	1.3	1.3	5.3	U
75-35-4	1,1-Dichloroethene	2.6	2.6	5.3	U
156-59-2	cis-1,2-Dichloroethene	2.0	2.0	5.3	U
156-60-5	trans-1,2-Dichloroethene	2.3	2.3	5.3	U
78-87-5	1,2-Dichloropropane	2.1	2.1	5.3	U
142-28-9	1,3-Dichloropropane	1.1	1.1	5.3	U
594-20-7	2,2-Dichloropropane	2.5	2.5	5.3	U
563-58-6	1,1-Dichloropropene	1.3	1.3	5.3	U
10061-01-5	cis-1,3-Dichloropropene	1.4	1.4	5.3	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	1806309.D		
Sampled:	02/08/16 13:55	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 02:43		
% Solids:	82.40	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.09 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1.8	1.8	5.3	U
100-41-4	Ethylbenzene	0.9	0.9	5.3	U
87-68-3	Hexachlorobutadiene	1.1	1.1	5.3	U J
591-78-6	2-Hexanone (MBK)	3.6	3.6	53.5	U
98-82-8	Isopropylbenzene	1.0	1.0	5.3	U
99-87-6	4-Isopropyltoluene	5.0	5.0	5.3	U
1634-04-4	Methyl tert-butyl ether	2.1	2.1	5.3	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.9	2.9	53.5	U
75-09-2	Methylene chloride	1.6	1.6	10.7	U
91-20-3	Naphthalene	0.9	0.9	5.3	U
103-65-1	n-Propylbenzene	5.2	5.2	5.3	U
100-42-5	Styrene	0.9	0.9	5.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	1.1	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	2.9	2.9	5.3	U
127-18-4	Tetrachloroethene	2.0	2.0	5.3	U
108-88-3	Toluene	1.2	1.2	5.3	U
87-61-6	1,2,3-Trichlorobenzene	1.2	1.2	5.3	U J
120-82-1	1,2,4-Trichlorobenzene	1.6	1.6	5.3	U J
71-55-6	1,1,1-Trichloroethane	1.4	1.4	5.3	U
108-70-3	1,3,5-Trichlorobenzene	1.1	1.1	5.3	U J
79-00-5	1,1,2-Trichloroethane	1.4	1.4	5.3	U
79-01-6	Trichloroethene	0.9	0.9	5.3	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.9	1.9	5.3	U
96-18-4	1,2,3-Trichloropropane	1.0	1.0	5.3	U
95-63-6	1,2,4-Trimethylbenzene	1.3	1.3	5.3	U
108-67-8	1,3,5-Trimethylbenzene	1.5	1.5	5.3	U
75-01-4	Vinyl chloride	1.9	1.9	5.3	U
179601-23-1	m,p-Xylene	1.1	1.1	10.7	U
95-47-6	o-Xylene	1.1	1.1	5.3	U
109-99-9	Tetrahydrofuran	5.7	5.7	10.7	U
60-29-7	Ethyl ether	1.2	1.2	5.3	U
994-05-8	Tert-amyl methyl ether	1.7	1.7	5.3	U
637-92-3	Ethyl tert-butyl ether	1.8	1.8	5.3	U
108-20-3	Di-isopropyl ether	0.9	0.9	5.3	U
75-65-0	Tert-Butanol / butyl alcohol	31.2	31.2	53.5	U
110-57-6	trans-1,4-Dichloro-2-butene	6.9	6.9	26.7	U
110-82-7	Cyclohexane	1.2	1.2	26.7	U
1330-20-7	Total Xylenes	1.1	1.1	5.3	U
79-20-9	Methyl acetate	1.7	1.7	26.7	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	1806309.D		
Sampled:	02/08/16 13:55	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 02:43		
% Solids:	82.40	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.09 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.3	1.3	26.7	U
123-91-1	1,4-Dioxane	60.2	60.2	107	U
64-17-5	Ethanol	3230	123	2140	J

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	1806309.D		
Sampled:	02/08/16 13:55	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 02:43		
% Solids:	82.40	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.09 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	1806310.D
Sampled:	02/08/16 14:10	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 03:12
% Solids:	78.12	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.04 g / 5 ml
Batch:	1602695	Sequence:	S601220	Calibration:	1512048
Instrument:	HPV9				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.1	2.1	5.4	U
67-64-1	Acetone	6.0	6.0	53.8	U
107-13-1	Acrylonitrile	2.0	2.0	5.4	U
71-43-2	Benzene	1.0	1.0	5.4	U
108-86-1	Bromobenzene	1.0	1.0	5.4	U
74-97-5	Bromochloromethane	2.1	2.1	5.4	U
75-27-4	Bromodichloromethane	1.4	1.4	5.4	U
75-25-2	Bromoform	1.5	1.5	5.4	U
74-83-9	Bromomethane	3.1	3.1	10.8	U
78-93-3	2-Butanone (MEK)	3.1	3.1	53.8	U
104-51-8	n-Butylbenzene	0.8	0.8	5.4	U
135-98-8	sec-Butylbenzene	1.2	1.2	5.4	U
98-06-6	tert-Butylbenzene	2.3	2.3	5.4	U
75-15-0	Carbon disulfide	1.2	1.2	10.8	U
56-23-5	Carbon tetrachloride	1.2	1.2	5.4	U
108-90-7	Chlorobenzene	0.9	0.9	5.4	U
75-00-3	Chloroethane	1.9	1.9	10.8	U
67-66-3	Chloroform	1.8	1.8	5.4	U
74-87-3	Chloromethane	1.8	1.8	10.8	U
95-49-8	2-Chlorotoluene	1.4	1.4	5.4	U
106-43-4	4-Chlorotoluene	1.0	1.0	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	4.0	4.0	10.8	U
124-48-1	Dibromochloromethane	1.2	1.2	5.4	U
106-93-4	1,2-Dibromoethane (EDB)	1.1	1.1	5.4	U
74-95-3	Dibromomethane	1.1	1.1	5.4	U
95-50-1	1,2-Dichlorobenzene	0.9	0.9	5.4	U
541-73-1	1,3-Dichlorobenzene	0.9	0.9	5.4	U
106-46-7	1,4-Dichlorobenzene	1.3	1.3	5.4	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.8	1.8	10.8	U
75-34-3	1,1-Dichloroethane	1.7	1.7	5.4	U
107-06-2	1,2-Dichloroethane	1.3	1.3	5.4	U
75-35-4	1,1-Dichloroethene	2.6	2.6	5.4	U
156-59-2	cis-1,2-Dichloroethene	2.0	2.0	5.4	U
156-60-5	trans-1,2-Dichloroethene	2.3	2.3	5.4	U
78-87-5	1,2-Dichloropropane	2.1	2.1	5.4	U
142-28-9	1,3-Dichloropropane	1.1	1.1	5.4	U
594-20-7	2,2-Dichloropropane	2.5	2.5	5.4	U
563-58-6	1,1-Dichloropropene	1.3	1.3	5.4	U
10061-01-5	cis-1,3-Dichloropropene	1.4	1.4	5.4	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	1806310.D		
Sampled:	02/08/16 14:10	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 03:12		
% Solids:	78.12	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.04 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1.8	1.8	5.4	U
100-41-4	Ethylbenzene	0.9	0.9	5.4	U
87-68-3	Hexachlorobutadiene	1.2	1.2	5.4	U
591-78-6	2-Hexanone (MBK)	3.6	3.6	53.8	U
98-82-8	Isopropylbenzene	1.0	1.0	5.4	U
99-87-6	4-Isopropyltoluene	5.1	5.1	5.4	U
1634-04-4	Methyl tert-butyl ether	2.1	2.1	5.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.9	2.9	53.8	U
75-09-2	Methylene chloride	1.6	1.6	10.8	U
91-20-3	Naphthalene	0.9	0.9	5.4	U
103-65-1	n-Propylbenzene	5.2	5.2	5.4	U
100-42-5	Styrene	0.9	0.9	5.4	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	1.2	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	2.9	2.9	5.4	U
127-18-4	Tetrachloroethene	2.1	2.1	5.4	U
108-88-3	Toluene	1.2	1.2	5.4	U
87-61-6	1,2,3-Trichlorobenzene	1.2	1.2	5.4	U
120-82-1	1,2,4-Trichlorobenzene	1.6	1.6	5.4	U
71-55-6	1,1,1-Trichloroethane	1.4	1.4	5.4	U
108-70-3	1,3,5-Trichlorobenzene	1.1	1.1	5.4	U
79-00-5	1,1,2-Trichloroethane	1.4	1.4	5.4	U
79-01-6	Trichloroethene	0.9	0.9	5.4	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.9	1.9	5.4	U
96-18-4	1,2,3-Trichloropropane	1.0	1.0	5.4	U
95-63-6	1,2,4-Trimethylbenzene	1.4	1.4	5.4	U
108-67-8	1,3,5-Trimethylbenzene	1.5	1.5	5.4	U
75-01-4	Vinyl chloride	2.0	2.0	5.4	U
179601-23-1	m,p-Xylene	1.1	1.1	10.8	U
95-47-6	o-Xylene	1.1	1.1	5.4	U
109-99-9	Tetrahydrofuran	5.8	5.8	10.8	U
60-29-7	Ethyl ether	1.2	1.2	5.4	U
994-05-8	Tert-amyl methyl ether	1.7	1.7	5.4	U
637-92-3	Ethyl tert-butyl ether	1.8	1.8	5.4	U
108-20-3	Di-isopropyl ether	0.9	0.9	5.4	U
75-65-0	Tert-Butanol / butyl alcohol	31.4	31.4	53.8	U
110-57-6	trans-1,4-Dichloro-2-butene	7.0	7.0	26.9	U
110-82-7	Cyclohexane	1.3	1.3	26.9	U
1330-20-7	Total Xylenes	1.1	1.1	5.4	U
79-20-9	Methyl acetate	1.7	1.7	26.9	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	1806310.D		
Sampled:	02/08/16 14:10	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 03:12		
% Solids:	78.12	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.04 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.3	1.3	26.9	U
123-91-1	1,4-Dioxane	60.5	60.5	108	U
64-17-5	Ethanol	312	124	2150	J

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	1806310.D		
Sampled:	02/08/16 14:10	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 03:12		
% Solids:	78.12	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.04 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
75-18-3	Dimethyl sulfide	2.174	9.2	JN

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	1806312.D		
Sampled:	02/08/16 14:47	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 13:47		
% Solids:	84.45	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	5.7 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.3	2.3	6.1	U
67-64-1	Acetone	17.0	6.8	61.1	J
107-13-1	Acrylonitrile	2.3	2.3	6.1	U
71-43-2	Benzene	1.1	1.1	6.1	U
108-86-1	Bromobenzene	1.1	1.1	6.1	U
74-97-5	Bromochloromethane	2.4	2.4	6.1	U
75-27-4	Bromodichloromethane	1.6	1.6	6.1	U
75-25-2	Bromoform	1.7	1.7	6.1	U
74-83-9	Bromomethane	3.5	3.5	12.2	U
78-93-3	2-Butanone (MEK)	3.6	3.6	61.1	U
104-51-8	n-Butylbenzene	0.9	0.9	6.1	U
135-98-8	sec-Butylbenzene	1.4	1.4	6.1	U
98-06-6	tert-Butylbenzene	2.6	2.6	6.1	U
75-15-0	Carbon disulfide	1.5	1.3	12.2	J
56-23-5	Carbon tetrachloride	1.3	1.3	6.1	U
108-90-7	Chlorobenzene	1.0	1.0	6.1	U
75-00-3	Chloroethane	2.1	2.1	12.2	U
67-66-3	Chloroform	2.0	2.0	6.1	U
74-87-3	Chloromethane	2.0	2.0	12.2	U
95-49-8	2-Chlorotoluene	1.6	1.6	6.1	U
106-43-4	4-Chlorotoluene	1.2	1.2	6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	4.5	4.5	12.2	U
124-48-1	Dibromochloromethane	1.4	1.4	6.1	U
106-93-4	1,2-Dibromoethane (EDB)	1.2	1.2	6.1	U
74-95-3	Dibromomethane	1.2	1.2	6.1	U
95-50-1	1,2-Dichlorobenzene	1.1	1.1	6.1	U
541-73-1	1,3-Dichlorobenzene	1.0	1.0	6.1	U
106-46-7	1,4-Dichlorobenzene	1.5	1.5	6.1	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	2.0	12.2	U
75-34-3	1,1-Dichloroethane	1.9	1.9	6.1	U
107-06-2	1,2-Dichloroethane	1.5	1.5	6.1	U
75-35-4	1,1-Dichloroethene	2.9	2.9	6.1	U
156-59-2	cis-1,2-Dichloroethene	2.2	2.2	6.1	U
156-60-5	trans-1,2-Dichloroethene	2.6	2.6	6.1	U
78-87-5	1,2-Dichloropropane	2.4	2.4	6.1	U
142-28-9	1,3-Dichloropropane	1.2	1.2	6.1	U
594-20-7	2,2-Dichloropropane	2.9	2.9	6.1	U
563-58-6	1,1-Dichloropropene	1.5	1.5	6.1	U
10061-01-5	cis-1,3-Dichloropropene	1.6	1.6	6.1	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	1806312.D		
Sampled:	02/08/16 14:47	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 13:47		
% Solids:	84.45	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	5.7 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	2.1	2.1	6.1	U
100-41-4	Ethylbenzene	1.1	1.1	6.1	U
87-68-3	Hexachlorobutadiene	1.3	1.3	6.1	U
591-78-6	2-Hexanone (MBK)	4.1	4.1	61.1	U
98-82-8	Isopropylbenzene	1.2	1.2	6.1	U
99-87-6	4-Isopropyltoluene	5.7	5.7	6.1	U
1634-04-4	Methyl tert-butyl ether	2.4	2.4	6.1	U
108-10-1	4-Methyl-2-pentanone (MIBK)	3.3	3.3	61.1	U
75-09-2	Methylene chloride	1.8	1.8	12.2	U
91-20-3	Naphthalene	1.0	1.0	6.1	U
103-65-1	n-Propylbenzene	5.9	5.9	6.1	U
100-42-5	Styrene	1.1	1.1	6.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1.3	1.3	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	3.3	3.3	6.1	U
127-18-4	Tetrachloroethene	2.3	2.3	6.1	U
108-88-3	Toluene	1.4	1.4	6.1	U
87-61-6	1,2,3-Trichlorobenzene	1.3	1.3	6.1	U
120-82-1	1,2,4-Trichlorobenzene	1.8	1.8	6.1	U J
71-55-6	1,1,1-Trichloroethane	1.6	1.6	6.1	U
108-70-3	1,3,5-Trichlorobenzene	1.2	1.2	6.1	U
79-00-5	1,1,2-Trichloroethane	1.6	1.6	6.1	U
79-01-6	Trichloroethene	1.1	1.1	6.1	U
75-69-4	Trichlorofluoromethane (Freon 11)	2.2	2.2	6.1	U
96-18-4	1,2,3-Trichloropropane	1.2	1.2	6.1	U
95-63-6	1,2,4-Trimethylbenzene	1.5	1.5	6.1	U
108-67-8	1,3,5-Trimethylbenzene	1.8	1.8	6.1	U
75-01-4	Vinyl chloride	2.2	2.2	6.1	U
179601-23-1	m,p-Xylene	1.2	1.2	12.2	U
95-47-6	o-Xylene	1.3	1.3	6.1	U
109-99-9	Tetrahydrofuran	6.6	6.6	12.2	U
60-29-7	Ethyl ether	1.4	1.4	6.1	U
994-05-8	Tert-amyl methyl ether	1.9	1.9	6.1	U
637-92-3	Ethyl tert-butyl ether	2.0	2.0	6.1	U
108-20-3	Di-isopropyl ether	1.0	1.0	6.1	U
75-65-0	Tert-Butanol / butyl alcohol	35.6	35.6	61.1	U
110-57-6	trans-1,4-Dichloro-2-butene	7.9	7.9	30.6	U
110-82-7	Cyclohexane	2.8	1.4	30.6	J
1330-20-7	Total Xylenes	1.2	1.2	6.1	U
79-20-9	Methyl acetate	1.9	1.9	30.6	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	1806312.D		
Sampled:	02/08/16 14:47	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 13:47		
% Solids:	84.45	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	5.7 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	5.9	1.5	30.6	J
123-91-1	1,4-Dioxane	68.8	68.8	122	U
64-17-5	Ethanol	141	141	2450	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	1806312.D		
Sampled:	02/08/16 14:47	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 13:47		
% Solids:	84.45	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	5.7 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	1806317.D		
Sampled:	02/09/16 08:57	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 01:14		
% Solids:	83.19	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.34 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.8	1.8	4.6	U
67-64-1	Acetone	5.1	5.1	46.1	U
107-13-1	Acrylonitrile	1.7	1.7	4.6	U
71-43-2	Benzene	0.8	0.8	4.6	U
108-86-1	Bromobenzene	0.8	0.8	4.6	U
74-97-5	Bromochloromethane	1.8	1.8	4.6	U
75-27-4	Bromodichloromethane	1.2	1.2	4.6	U
75-25-2	Bromoform	1.3	1.3	4.6	U
74-83-9	Bromomethane	2.6	2.6	9.2	U
78-93-3	2-Butanone (MEK)	2.7	2.7	46.1	U
104-51-8	n-Butylbenzene	0.7	0.7	4.6	U
135-98-8	sec-Butylbenzene	1.0	1.0	4.6	U
98-06-6	tert-Butylbenzene	1.9	1.9	4.6	U
75-15-0	Carbon disulfide	1.0	1.0	9.2	U
56-23-5	Carbon tetrachloride	1.0	1.0	4.6	U
108-90-7	Chlorobenzene	0.7	0.7	4.6	U
75-00-3	Chloroethane	1.6	1.6	9.2	U
67-66-3	Chloroform	1.5	1.5	4.6	U
74-87-3	Chloromethane	1.5	1.5	9.2	U
95-49-8	2-Chlorotoluene	1.2	1.2	4.6	U
106-43-4	4-Chlorotoluene	0.9	0.9	4.6	U
96-12-8	1,2-Dibromo-3-chloropropane	3.4	3.4	9.2	U
124-48-1	Dibromochloromethane	1.0	1.0	4.6	U
106-93-4	1,2-Dibromoethane (EDB)	0.9	0.9	4.6	U
74-95-3	Dibromomethane	0.9	0.9	4.6	U
95-50-1	1,2-Dichlorobenzene	0.8	0.8	4.6	U
541-73-1	1,3-Dichlorobenzene	0.7	0.7	4.6	U
106-46-7	1,4-Dichlorobenzene	1.1	1.1	4.6	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.5	1.5	9.2	U
75-34-3	1,1-Dichloroethane	1.5	1.5	4.6	U
107-06-2	1,2-Dichloroethane	1.1	1.1	4.6	U
75-35-4	1,1-Dichloroethene	2.2	2.2	4.6	U
156-59-2	cis-1,2-Dichloroethene	1.7	1.7	4.6	U
156-60-5	trans-1,2-Dichloroethene	2.0	2.0	4.6	U
78-87-5	1,2-Dichloropropane	1.8	1.8	4.6	U
142-28-9	1,3-Dichloropropane	0.9	0.9	4.6	U
594-20-7	2,2-Dichloropropane	2.2	2.2	4.6	U
563-58-6	1,1-Dichloropropene	1.2	1.2	4.6	U
10061-01-5	cis-1,3-Dichloropropene	1.2	1.2	4.6	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	1806317.D
Sampled:	02/09/16 08:57	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 01:14
% Solids:	83.19	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.34 g / 5 ml
Batch:	1602695	Sequence:	S601220	Calibration:	1512048
Instrument:	HPV9				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1.6	1.6	4.6	U
100-41-4	Ethylbenzene	0.8	0.8	4.6	U
87-68-3	Hexachlorobutadiene	1.0	1.0	4.6	U
591-78-6	2-Hexanone (MBK)	3.1	3.1	46.1	U
98-82-8	Isopropylbenzene	0.9	0.9	4.6	U
99-87-6	4-Isopropyltoluene	4.3	4.3	4.6	U
1634-04-4	Methyl tert-butyl ether	1.8	1.8	4.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.5	2.5	46.1	U
75-09-2	Methylene chloride	1.3	1.3	9.2	U
91-20-3	Naphthalene	0.8	0.8	4.6	U
103-65-1	n-Propylbenzene	4.5	4.5	4.6	U
100-42-5	Styrene	0.8	0.8	4.6	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	1.0	4.6	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	2.5	4.6	U
127-18-4	Tetrachloroethene	1.8	1.8	4.6	U
108-88-3	Toluene	1.1	1.1	4.6	U
87-61-6	1,2,3-Trichlorobenzene	1.0	1.0	4.6	U UJ
120-82-1	1,2,4-Trichlorobenzene	1.4	1.4	4.6	U J
71-55-6	1,1,1-Trichloroethane	1.2	1.2	4.6	U
108-70-3	1,3,5-Trichlorobenzene	0.9	0.9	4.6	U J
79-00-5	1,1,2-Trichloroethane	1.2	1.2	4.6	U
79-01-6	Trichloroethene	58.4	0.8	4.6	
75-69-4	Trichlorofluoromethane (Freon 11)	1.7	1.7	4.6	U
96-18-4	1,2,3-Trichloropropane	0.9	0.9	4.6	U
95-63-6	1,2,4-Trimethylbenzene	1.2	1.2	4.6	U
108-67-8	1,3,5-Trimethylbenzene	1.3	1.3	4.6	U
75-01-4	Vinyl chloride	1.7	1.7	4.6	U
179601-23-1	m,p-Xylene	0.9	0.9	9.2	U
95-47-6	o-Xylene	1.0	1.0	4.6	U
109-99-9	Tetrahydrofuran	5.0	5.0	9.2	U
60-29-7	Ethyl ether	1.1	1.1	4.6	U
994-05-8	Tert-amyl methyl ether	1.4	1.4	4.6	U
637-92-3	Ethyl tert-butyl ether	1.5	1.5	4.6	U
108-20-3	Di-isopropyl ether	0.8	0.8	4.6	U
75-65-0	Tert-Butanol / butyl alcohol	26.9	26.9	46.1	U
110-57-6	trans-1,4-Dichloro-2-butene	6.0	6.0	23.1	U
110-82-7	Cyclohexane	1.1	1.1	23.1	U
1330-20-7	Total Xylenes	0.9	0.9	4.6	U
79-20-9	Methyl acetate	1.4	1.4	23.1	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	1806317.D		
Sampled:	02/09/16 08:57	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 01:14		
% Solids:	83.19	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.34 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.1	1.1	23.1	U
123-91-1	1,4-Dioxane	51.9	51.9	92.3	U
64-17-5	Ethanol	106	106	1850	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	1806317.D		
Sampled:	02/09/16 08:57	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 01:14		
% Solids:	83.19	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.34 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-17RE1	File ID:	1806317RE1.D
Sampled:	02/09/16 08:57	Prepared:	02/18/16 11:36	Analyzed:	02/18/16 12:40
% Solids:	83.19	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.33 g / 15 ml
Batch:	1602894	Sequence:	S601364	Calibration:	1602014
Instrument:	HPV3				
Reported to:	MDL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	45.1	45.1	118	UD
67-64-1	Acetone	131	131	1180	UD
107-13-1	Acrylonitrile	44.4	44.4	118	UD
71-43-2	Benzene	21.5	21.5	118	UD
108-86-1	Bromobenzene	21.7	21.7	118	UD
74-97-5	Bromochloromethane	46.7	46.7	118	UD
75-27-4	Bromodichloromethane	30.8	30.8	118	UD
75-25-2	Bromoform	32.4	32.4	118	UD
74-83-9	Bromomethane	67.6	67.6	237	UD
78-93-3	2-Butanone (MEK)	68.8	68.8	1180	UD
104-51-8	n-Butylbenzene	17.6	17.6	118	UD
135-98-8	sec-Butylbenzene	26.6	26.6	118	UD
98-06-6	tert-Butylbenzene	49.8	49.8	118	UD
75-15-0	Carbon disulfide	26.0	26.0	237	UD
56-23-5	Carbon tetrachloride	25.8	25.8	118	UD
108-90-7	Chlorobenzene	18.9	18.9	118	UD
75-00-3	Chloroethane	41.1	41.1	237	UD
67-66-3	Chloroform	39.3	39.3	118	UD
74-87-3	Chloromethane	39.6	39.6	237	UD
95-49-8	2-Chlorotoluene	30.8	30.8	118	UD
106-43-4	4-Chlorotoluene	23.1	23.1	118	UD
96-12-8	1,2-Dibromo-3-chloropropane	87.5	87.5	237	UD
124-48-1	Dibromochloromethane	26.5	26.5	118	UD
106-93-4	1,2-Dibromoethane (EDB)	23.7	23.7	118	UD
74-95-3	Dibromomethane	23.9	23.9	118	UD
95-50-1	1,2-Dichlorobenzene	20.6	20.6	118	UD
541-73-1	1,3-Dichlorobenzene	19.1	19.1	118	UD
106-46-7	1,4-Dichlorobenzene	28.9	28.9	118	UD
75-71-8	Dichlorodifluoromethane (Freon12)	38.9	38.9	237	UD
75-34-3	1,1-Dichloroethane	37.4	37.4	118	UD
107-06-2	1,2-Dichloroethane	28.8	28.8	118	UD
75-35-4	1,1-Dichloroethene	56.7	56.7	118	UD
156-59-2	cis-1,2-Dichloroethene	43.5	43.5	118	UD
156-60-5	trans-1,2-Dichloroethene	51.0	51.0	118	UD
78-87-5	1,2-Dichloropropane	46.0	46.0	118	UD
142-28-9	1,3-Dichloropropane	23.3	23.3	118	UD
594-20-7	2,2-Dichloropropane	56.0	56.0	118	UD
563-58-6	1,1-Dichloropropene	29.6	29.6	118	UD
10061-01-5	cis-1,3-Dichloropropene	31.2	31.2	118	UD

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-17RE1	File ID:	1806317RE1.D		
Sampled:	02/09/16 08:57	Prepared:	02/18/16 11:36	Analyzed:	02/18/16 12:40		
% Solids:	83.19	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.33 g / 15 ml		
Batch:	1602894	Sequence:	S601364	Calibration:	1602014	Instrument:	HPV3
Reported to:	MDL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	40.0	40.0	118	UD
100-41-4	Ethylbenzene	20.8	20.8	118	UD
87-68-3	Hexachlorobutadiene	25.3	25.3	118	UD
591-78-6	2-Hexanone (MBK)	79.8	79.8	1180	UD
98-82-8	Isopropylbenzene	22.5	22.5	118	UD
99-87-6	4-Isopropyltoluene	111	111	118	UD
1634-04-4	Methyl tert-butyl ether	45.7	45.7	118	UD
108-10-1	4-Methyl-2-pentanone (MIBK)	63.9	63.9	1180	UD
75-09-2	Methylene chloride	54.4	34.6	237	JD
91-20-3	Naphthalene	124	124	237	UD
103-65-1	n-Propylbenzene	115	115	118	UD
100-42-5	Styrene	20.4	20.4	118	UD
630-20-6	1,1,1,2-Tetrachloroethane	25.3	25.3	118	UD
79-34-5	1,1,2,2-Tetrachloroethane	64.4	64.4	118	UD
127-18-4	Tetrachloroethene	45.1	45.1	118	UD
108-88-3	Toluene	27.2	27.2	118	UD
87-61-6	1,2,3-Trichlorobenzene	25.8	25.8	118	UD
120-82-1	1,2,4-Trichlorobenzene	35.5	35.5	118	UD
71-55-6	1,1,1-Trichloroethane	30.7	30.7	118	UD
108-70-3	1,3,5-Trichlorobenzene	23.4	23.4	118	UD
79-00-5	1,1,2-Trichloroethane	31.6	31.6	118	UD
79-01-6	Trichloroethene	826	20.4	118	D
75-69-4	Trichlorofluoromethane (Freon 11)	42.7	42.7	118	UD
96-18-4	1,2,3-Trichloropropane	22.5	22.5	118	UD
95-63-6	1,2,4-Trimethylbenzene	29.7	29.7	118	UD
108-67-8	1,3,5-Trimethylbenzene	34.0	34.0	118	UD
75-01-4	Vinyl chloride	43.1	43.1	118	UD
179601-23-1	m,p-Xylene	23.3	23.3	237	UD
95-47-6	o-Xylene	25.2	25.2	118	UD
109-99-9	Tetrahydrofuran	127	127	237	UD
60-29-7	Ethyl ether	27.5	27.5	118	UD
994-05-8	Tert-amyl methyl ether	36.6	36.6	118	UD
637-92-3	Ethyl tert-butyl ether	39.4	39.4	118	UD
108-20-3	Di-isopropyl ether	19.3	19.3	118	UD
75-65-0	Tert-Butanol / butyl alcohol	690	690	1180	UD
110-57-6	trans-1,4-Dichloro-2-butene	153	153	592	UD
64-17-5	Ethanol	2730	2730	47300	UD
123-91-1	1,4-Dioxane	1330	1330	2370	UD

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	1806318.D		
Sampled:	02/09/16 08:55	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 14:16		
% Solids:	96.87	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.49 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.2	1.2	3.2	U
67-64-1	Acetone	3.5	3.5	32.0	U
107-13-1	Acrylonitrile	1.2	1.2	3.2	U
71-43-2	Benzene	0.6	0.6	3.2	U
108-86-1	Bromobenzene	0.6	0.6	3.2	U
74-97-5	Bromochloromethane	1.3	1.3	3.2	U
75-27-4	Bromodichloromethane	0.8	0.8	3.2	U
75-25-2	Bromoform	0.9	0.9	3.2	U
74-83-9	Bromomethane	1.8	1.8	6.4	U
78-93-3	2-Butanone (MEK)	1.9	1.9	32.0	U
104-51-8	n-Butylbenzene	0.5	0.5	3.2	U
135-98-8	sec-Butylbenzene	0.7	0.7	3.2	U
98-06-6	tert-Butylbenzene	1.3	1.3	3.2	U
75-15-0	Carbon disulfide	0.7	0.7	6.4	U
56-23-5	Carbon tetrachloride	0.7	0.7	3.2	U
108-90-7	Chlorobenzene	0.5	0.5	3.2	U
75-00-3	Chloroethane	1.1	1.1	6.4	U
67-66-3	Chloroform	1.1	1.1	3.2	U
74-87-3	Chloromethane	1.1	1.1	6.4	U
95-49-8	2-Chlorotoluene	0.8	0.8	3.2	U
106-43-4	4-Chlorotoluene	0.6	0.6	3.2	U
96-12-8	1,2-Dibromo-3-chloropropane	2.4	2.4	6.4	U
124-48-1	Dibromochloromethane	0.7	0.7	3.2	U
106-93-4	1,2-Dibromoethane (EDB)	0.6	0.6	3.2	U
74-95-3	Dibromomethane	0.6	0.6	3.2	U
95-50-1	1,2-Dichlorobenzene	0.6	0.6	3.2	U
541-73-1	1,3-Dichlorobenzene	0.5	0.5	3.2	U
106-46-7	1,4-Dichlorobenzene	0.8	0.8	3.2	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.1	1.1	6.4	U
75-34-3	1,1-Dichloroethane	1.0	1.0	3.2	U
107-06-2	1,2-Dichloroethane	0.8	0.8	3.2	U
75-35-4	1,1-Dichloroethene	1.5	1.5	3.2	U
156-59-2	cis-1,2-Dichloroethene	1.2	1.2	3.2	U
156-60-5	trans-1,2-Dichloroethene	1.4	1.4	3.2	U
78-87-5	1,2-Dichloropropane	1.2	1.2	3.2	U
142-28-9	1,3-Dichloropropane	0.6	0.6	3.2	U
594-20-7	2,2-Dichloropropane	1.5	1.5	3.2	U
563-58-6	1,1-Dichloropropene	0.8	0.8	3.2	U
10061-01-5	cis-1,3-Dichloropropene	0.8	0.8	3.2	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	1806318.D		
Sampled:	02/09/16 08:55	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 14:16		
% Solids:	96.87	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.49 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1.1	1.1	3.2	U
100-41-4	Ethylbenzene	0.6	0.6	3.2	U
87-68-3	Hexachlorobutadiene	0.7	0.7	3.2	U
591-78-6	2-Hexanone (MBK)	2.2	2.2	32.0	U
98-82-8	Isopropylbenzene	0.6	0.6	3.2	U
99-87-6	4-Isopropyltoluene	3.0	3.0	3.2	U
1634-04-4	Methyl tert-butyl ether	1.2	1.2	3.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1.7	1.7	32.0	U
75-09-2	Methylene chloride	0.9	0.9	6.4	U
91-20-3	Naphthalene	0.5	0.5	3.2	U
103-65-1	n-Propylbenzene	3.1	3.1	3.2	U
100-42-5	Styrene	0.6	0.6	3.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.7	0.7	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.7	1.7	3.2	U
127-18-4	Tetrachloroethene	1.2	1.2	3.2	U
108-88-3	Toluene	0.7	0.7	3.2	U
87-61-6	1,2,3-Trichlorobenzene	0.7	0.7	3.2	U
120-82-1	1,2,4-Trichlorobenzene	1.0	1.0	3.2	U
71-55-6	1,1,1-Trichloroethane	0.8	0.8	3.2	U
108-70-3	1,3,5-Trichlorobenzene	0.6	0.6	3.2	U
79-00-5	1,1,2-Trichloroethane	0.9	0.9	3.2	U
79-01-6	Trichloroethene	0.6	0.6	3.2	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.2	1.2	3.2	U
96-18-4	1,2,3-Trichloropropane	0.6	0.6	3.2	U
95-63-6	1,2,4-Trimethylbenzene	0.8	0.8	3.2	U
108-67-8	1,3,5-Trimethylbenzene	0.9	0.9	3.2	U
75-01-4	Vinyl chloride	1.2	1.2	3.2	U
179601-23-1	m,p-Xylene	0.6	0.6	6.4	U
95-47-6	o-Xylene	0.7	0.7	3.2	U
109-99-9	Tetrahydrofuran	3.4	3.4	6.4	U
60-29-7	Ethyl ether	0.7	0.7	3.2	U
994-05-8	Tert-amyl methyl ether	1.0	1.0	3.2	U
637-92-3	Ethyl tert-butyl ether	1.1	1.1	3.2	U
108-20-3	Di-isopropyl ether	0.5	0.5	3.2	U
75-65-0	Tert-Butanol / butyl alcohol	18.7	18.7	32.0	U
110-57-6	trans-1,4-Dichloro-2-butene	4.2	4.2	16.0	U
110-82-7	Cyclohexane	0.7	0.7	16.0	U
1330-20-7	Total Xylenes	0.6	0.6	3.2	U
79-20-9	Methyl acetate	1.0	1.0	16.0	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	1806318.D		
Sampled:	02/09/16 08:55	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 14:16		
% Solids:	96.87	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.49 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	0.8	0.8	16.0	U
123-91-1	1,4-Dioxane	36.0	36.0	64.0	U
64-17-5	Ethanol	73.9	73.9	1280	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	1806318.D		
Sampled:	02/09/16 08:55	Prepared:	02/22/16 09:12	Analyzed:	02/22/16 14:16		
% Solids:	96.87	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.49 g / 5 ml		
Batch:	1603050	Sequence:	S601441	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	1806319.D		
Sampled:	02/09/16 10:15	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 03:42		
% Solids:	82.80	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.02 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.0	2.0	5.3	U
67-64-1	Acetone	5.9	5.9	53.4	U
107-13-1	Acrylonitrile	2.0	2.0	5.3	U
71-43-2	Benzene	1.0	1.0	5.3	U
108-86-1	Bromobenzene	1.0	1.0	5.3	U
74-97-5	Bromochloromethane	2.1	2.1	5.3	U
75-27-4	Bromodichloromethane	1.4	1.4	5.3	U
75-25-2	Bromoform	1.5	1.5	5.3	U
74-83-9	Bromomethane	3.0	3.0	10.7	U
78-93-3	2-Butanone (MEK)	3.1	3.1	53.4	U
104-51-8	n-Butylbenzene	0.8	0.8	5.3	U J
135-98-8	sec-Butylbenzene	1.2	1.2	5.3	U
98-06-6	tert-Butylbenzene	2.2	2.2	5.3	U
75-15-0	Carbon disulfide	1.2	1.2	10.7	U
56-23-5	Carbon tetrachloride	1.2	1.2	5.3	U
108-90-7	Chlorobenzene	0.9	0.9	5.3	U
75-00-3	Chloroethane	1.9	1.9	10.7	U
67-66-3	Chloroform	1.8	1.8	5.3	U
74-87-3	Chloromethane	1.8	1.8	10.7	U
95-49-8	2-Chlorotoluene	1.4	1.4	5.3	U
106-43-4	4-Chlorotoluene	1.0	1.0	5.3	U
96-12-8	1,2-Dibromo-3-chloropropane	3.9	3.9	10.7	U
124-48-1	Dibromochloromethane	1.2	1.2	5.3	U
106-93-4	1,2-Dibromoethane (EDB)	1.1	1.1	5.3	U
74-95-3	Dibromomethane	1.1	1.1	5.3	U
95-50-1	1,2-Dichlorobenzene	0.9	0.9	5.3	U
541-73-1	1,3-Dichlorobenzene	0.9	0.9	5.3	U
106-46-7	1,4-Dichlorobenzene	1.3	1.3	5.3	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.8	1.8	10.7	U
75-34-3	1,1-Dichloroethane	1.7	1.7	5.3	U
107-06-2	1,2-Dichloroethane	1.3	1.3	5.3	U
75-35-4	1,1-Dichloroethene	2.6	2.6	5.3	U
156-59-2	cis-1,2-Dichloroethene	2.0	2.0	5.3	U
156-60-5	trans-1,2-Dichloroethene	2.3	2.3	5.3	U
78-87-5	1,2-Dichloropropane	2.1	2.1	5.3	U
142-28-9	1,3-Dichloropropane	1.1	1.1	5.3	U
594-20-7	2,2-Dichloropropane	2.5	2.5	5.3	U
563-58-6	1,1-Dichloropropene	1.3	1.3	5.3	U
10061-01-5	cis-1,3-Dichloropropene	1.4	1.4	5.3	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	1806319.D		
Sampled:	02/09/16 10:15	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 03:42		
% Solids:	82.80	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.02 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1.8	1.8	5.3	U
100-41-4	Ethylbenzene	0.9	0.9	5.3	U
87-68-3	Hexachlorobutadiene	1.1	1.1	5.3	U
591-78-6	2-Hexanone (MBK)	3.6	3.6	53.4	U
98-82-8	Isopropylbenzene	1.0	1.0	5.3	U
99-87-6	4-Isopropyltoluene	5.0	5.0	5.3	U
1634-04-4	Methyl tert-butyl ether	2.1	2.1	5.3	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.9	2.9	53.4	U
75-09-2	Methylene chloride	1.6	1.6	10.7	U
91-20-3	Naphthalene	0.9	0.9	5.3	U
103-65-1	n-Propylbenzene	5.2	5.2	5.3	U
100-42-5	Styrene	0.9	0.9	5.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	1.1	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	2.9	2.9	5.3	U
127-18-4	Tetrachloroethene	2.0	2.0	5.3	U
108-88-3	Toluene	1.2	1.2	5.3	U
87-61-6	1,2,3-Trichlorobenzene	1.2	1.2	5.3	U
120-82-1	1,2,4-Trichlorobenzene	1.6	1.6	5.3	U
71-55-6	1,1,1-Trichloroethane	1.4	1.4	5.3	U
108-70-3	1,3,5-Trichlorobenzene	1.1	1.1	5.3	U
79-00-5	1,1,2-Trichloroethane	1.4	1.4	5.3	U
79-01-6	Trichloroethene	0.9	0.9	5.3	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.9	1.9	5.3	U
96-18-4	1,2,3-Trichloropropane	1.0	1.0	5.3	U
95-63-6	1,2,4-Trimethylbenzene	1.3	1.3	5.3	U
108-67-8	1,3,5-Trimethylbenzene	1.5	1.5	5.3	U
75-01-4	Vinyl chloride	1.9	1.9	5.3	U
179601-23-1	m,p-Xylene	1.1	1.1	10.7	U
95-47-6	o-Xylene	1.1	1.1	5.3	U
109-99-9	Tetrahydrofuran	5.7	5.7	10.7	U
60-29-7	Ethyl ether	1.2	1.2	5.3	U
994-05-8	Tert-amyl methyl ether	1.6	1.6	5.3	U
637-92-3	Ethyl tert-butyl ether	1.8	1.8	5.3	U
108-20-3	Di-isopropyl ether	0.9	0.9	5.3	U
75-65-0	Tert-Butanol / butyl alcohol	31.1	31.1	53.4	U
110-57-6	trans-1,4-Dichloro-2-butene	6.9	6.9	26.7	U
110-82-7	Cyclohexane	1.2	1.2	26.7	U
1330-20-7	Total Xylenes	1.1	1.1	5.3	U
79-20-9	Methyl acetate	1.7	1.7	26.7	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	1806319.D		
Sampled:	02/09/16 10:15	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 03:42		
% Solids:	82.80	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.02 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.3	1.3	26.7	U
123-91-1	1,4-Dioxane	60.1	60.1	107	U
64-17-5	Ethanol	123	123	2140	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	1806319.D
Sampled:	02/09/16 10:15	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 03:42
% Solids:	82.80	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.02 g / 5 ml
Batch:	1602695	Sequence:	S601220	Calibration:	1512048
Reported to:	MDL	Dilution:	1		

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	1806320.D		
Sampled:	02/09/16 10:15	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 04:11		
% Solids:	81.31	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.96 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.1	2.1	5.6	U
67-64-1	Acetone	6.2	6.2	55.7	U
107-13-1	Acrylonitrile	2.1	2.1	5.6	U
71-43-2	Benzene	1.0	1.0	5.6	U
108-86-1	Bromobenzene	1.0	1.0	5.6	U
74-97-5	Bromochloromethane	2.2	2.2	5.6	U
75-27-4	Bromodichloromethane	1.4	1.4	5.6	U
75-25-2	Bromoform	1.5	1.5	5.6	U
74-83-9	Bromomethane	3.2	3.2	11.1	U
78-93-3	2-Butanone (MEK)	3.2	3.2	55.7	U
104-51-8	n-Butylbenzene	0.8	0.8	5.6	U
135-98-8	sec-Butylbenzene	1.3	1.3	5.6	U
98-06-6	tert-Butylbenzene	2.3	2.3	5.6	U
75-15-0	Carbon disulfide	1.2	1.2	11.1	U
56-23-5	Carbon tetrachloride	1.2	1.2	5.6	U
108-90-7	Chlorobenzene	0.9	0.9	5.6	U
75-00-3	Chloroethane	1.9	1.9	11.1	U
67-66-3	Chloroform	1.8	1.8	5.6	U
74-87-3	Chloromethane	1.9	1.9	11.1	U
95-49-8	2-Chlorotoluene	1.4	1.4	5.6	U
106-43-4	4-Chlorotoluene	1.1	1.1	5.6	U
96-12-8	1,2-Dibromo-3-chloropropane	4.1	4.1	11.1	U
124-48-1	Dibromochloromethane	1.2	1.2	5.6	U
106-93-4	1,2-Dibromoethane (EDB)	1.1	1.1	5.6	U
74-95-3	Dibromomethane	1.1	1.1	5.6	U
95-50-1	1,2-Dichlorobenzene	1.0	1.0	5.6	U
541-73-1	1,3-Dichlorobenzene	0.9	0.9	5.6	U
106-46-7	1,4-Dichlorobenzene	1.4	1.4	5.6	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.8	1.8	11.1	U
75-34-3	1,1-Dichloroethane	1.8	1.8	5.6	U
107-06-2	1,2-Dichloroethane	1.4	1.4	5.6	U
75-35-4	1,1-Dichloroethene	2.7	2.7	5.6	U
156-59-2	cis-1,2-Dichloroethene	2.0	2.0	5.6	U
156-60-5	trans-1,2-Dichloroethene	2.4	2.4	5.6	U
78-87-5	1,2-Dichloropropane	2.2	2.2	5.6	U
142-28-9	1,3-Dichloropropane	1.1	1.1	5.6	U
594-20-7	2,2-Dichloropropane	2.6	2.6	5.6	U
563-58-6	1,1-Dichloropropene	1.4	1.4	5.6	U
10061-01-5	cis-1,3-Dichloropropene	1.5	1.5	5.6	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	1806320.D		
Sampled:	02/09/16 10:15	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 04:11		
% Solids:	81.31	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.96 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1.9	1.9	5.6	U
100-41-4	Ethylbenzene	1.0	1.0	5.6	U
87-68-3	Hexachlorobutadiene	1.2	1.2	5.6	U
591-78-6	2-Hexanone (MBK)	3.8	3.8	55.7	U
98-82-8	Isopropylbenzene	1.1	1.1	5.6	U
99-87-6	4-Isopropyltoluene	5.2	5.2	5.6	U
1634-04-4	Methyl tert-butyl ether	2.1	2.1	5.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	3.0	3.0	55.7	U
75-09-2	Methylene chloride	1.6	1.6	11.1	U
91-20-3	Naphthalene	0.9	0.9	5.6	U
103-65-1	n-Propylbenzene	5.4	5.4	5.6	U
100-42-5	Styrene	1.0	1.0	5.6	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	1.2	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	3.0	3.0	5.6	U
127-18-4	Tetrachloroethene	2.1	2.1	5.6	U
108-88-3	Toluene	1.3	1.3	5.6	U
87-61-6	1,2,3-Trichlorobenzene	1.2	1.2	5.6	U
120-82-1	1,2,4-Trichlorobenzene	1.7	1.7	5.6	U
71-55-6	1,1,1-Trichloroethane	1.4	1.4	5.6	U
108-70-3	1,3,5-Trichlorobenzene	1.1	1.1	5.6	U
79-00-5	1,1,2-Trichloroethane	1.5	1.5	5.6	U
79-01-6	Trichloroethene	1.0	1.0	5.6	U
75-69-4	Trichlorofluoromethane (Freon 11)	2.0	2.0	5.6	U
96-18-4	1,2,3-Trichloropropane	1.1	1.1	5.6	U
95-63-6	1,2,4-Trimethylbenzene	1.4	1.4	5.6	U
108-67-8	1,3,5-Trimethylbenzene	1.6	1.6	5.6	U
75-01-4	Vinyl chloride	2.0	2.0	5.6	U
179601-23-1	m,p-Xylene	1.1	1.1	11.1	U
95-47-6	o-Xylene	1.2	1.2	5.6	U
109-99-9	Tetrahydrofuran	6.0	6.0	11.1	U
60-29-7	Ethyl ether	1.3	1.3	5.6	U
994-05-8	Tert-amyl methyl ether	1.7	1.7	5.6	U
637-92-3	Ethyl tert-butyl ether	1.9	1.9	5.6	U
108-20-3	Di-isopropyl ether	0.9	0.9	5.6	U
75-65-0	Tert-Butanol / butyl alcohol	32.4	32.4	55.7	U
110-57-6	trans-1,4-Dichloro-2-butene	7.2	7.2	27.8	U
110-82-7	Cyclohexane	1.3	1.3	27.8	U
1330-20-7	Total Xylenes	1.1	1.1	5.6	U
79-20-9	Methyl acetate	1.7	1.7	27.8	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	1806320.D		
Sampled:	02/09/16 10:15	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 04:11		
% Solids:	81.31	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.96 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.3	1.3	27.8	U
123-91-1	1,4-Dioxane	62.6	62.6	111	U
64-17-5	Ethanol	128	128	2230	U J

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	1806320.D		
Sampled:	02/09/16 10:15	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 04:11		
% Solids:	81.31	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.96 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	1806323.D		
Sampled:	02/09/16 11:40	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 04:41		
% Solids:	81.88	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.17 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.0	2.0	5.4	U
67-64-1	Acetone	201	5.9	53.7	
107-13-1	Acrylonitrile	2.0	2.0	5.4	U
71-43-2	Benzene	1.0	1.0	5.4	U
108-86-1	Bromobenzene	1.0	1.0	5.4	U
74-97-5	Bromochloromethane	2.1	2.1	5.4	U
75-27-4	Bromodichloromethane	1.4	1.4	5.4	U
75-25-2	Bromoform	1.5	1.5	5.4	U
74-83-9	Bromomethane	3.1	3.1	10.7	U
78-93-3	2-Butanone (MEK)	29.2	3.1	53.7	J
104-51-8	n-Butylbenzene	0.8	0.8	5.4	UJ
135-98-8	sec-Butylbenzene	1.2	1.2	5.4	U
98-06-6	tert-Butylbenzene	2.3	2.3	5.4	U
75-15-0	Carbon disulfide	1.2	1.2	10.7	U
56-23-5	Carbon tetrachloride	1.2	1.2	5.4	U
108-90-7	Chlorobenzene	0.9	0.9	5.4	U
75-00-3	Chloroethane	1.9	1.9	10.7	U
67-66-3	Chloroform	1.8	1.8	5.4	U
74-87-3	Chloromethane	1.8	1.8	10.7	U
95-49-8	2-Chlorotoluene	1.4	1.4	5.4	U
106-43-4	4-Chlorotoluene	1.0	1.0	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	4.0	4.0	10.7	U
124-48-1	Dibromochloromethane	1.2	1.2	5.4	U
106-93-4	1,2-Dibromoethane (EDB)	1.1	1.1	5.4	U
74-95-3	Dibromomethane	1.1	1.1	5.4	U
95-50-1	1,2-Dichlorobenzene	0.9	0.9	5.4	U
541-73-1	1,3-Dichlorobenzene	0.9	0.9	5.4	U
106-46-7	1,4-Dichlorobenzene	1.3	1.3	5.4	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.8	1.8	10.7	U
75-34-3	1,1-Dichloroethane	1.7	1.7	5.4	U
107-06-2	1,2-Dichloroethane	1.3	1.3	5.4	U
75-35-4	1,1-Dichloroethene	2.6	2.6	5.4	U
156-59-2	cis-1,2-Dichloroethene	2.0	2.0	5.4	U
156-60-5	trans-1,2-Dichloroethene	2.3	2.3	5.4	U
78-87-5	1,2-Dichloropropane	2.1	2.1	5.4	U
142-28-9	1,3-Dichloropropane	1.1	1.1	5.4	U
594-20-7	2,2-Dichloropropane	2.5	2.5	5.4	U
563-58-6	1,1-Dichloropropene	1.3	1.3	5.4	U
10061-01-5	cis-1,3-Dichloropropene	1.4	1.4	5.4	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	1806323.D
Sampled:	02/09/16 11:40	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 04:41
% Solids:	81.88	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.17 g / 5 ml
Batch:	1602695	Sequence:	S601220	Calibration:	1512048
Reported to:	MDL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1.8	1.8	5.4	U
100-41-4	Ethylbenzene	0.9	0.9	5.4	U
87-68-3	Hexachlorobutadiene	1.1	1.1	5.4	U J
591-78-6	2-Hexanone (MBK)	3.6	3.6	53.7	U
98-82-8	Isopropylbenzene	1.0	1.0	5.4	U
99-87-6	4-Isopropyltoluene	5.0	5.0	5.4	U
1634-04-4	Methyl tert-butyl ether	2.1	2.1	5.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	2.9	2.9	53.7	U
75-09-2	Methylene chloride	1.6	1.6	10.7	U
91-20-3	Naphthalene	0.9	0.9	5.4	U
103-65-1	n-Propylbenzene	5.2	5.2	5.4	U
100-42-5	Styrene	0.9	0.9	5.4	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	1.1	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	2.9	2.9	5.4	U
127-18-4	Tetrachloroethene	2.0	2.0	5.4	U
108-88-3	Toluene	1.2	1.2	5.4	U
87-61-6	1,2,3-Trichlorobenzene	1.2	1.2	5.4	U J
120-82-1	1,2,4-Trichlorobenzene	1.6	1.6	5.4	U J
71-55-6	1,1,1-Trichloroethane	1.4	1.4	5.4	U
108-70-3	1,3,5-Trichlorobenzene	1.1	1.1	5.4	U J
79-00-5	1,1,2-Trichloroethane	1.4	1.4	5.4	U
79-01-6	Trichloroethene	0.9	0.9	5.4	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.9	1.9	5.4	U
96-18-4	1,2,3-Trichloropropane	1.0	1.0	5.4	U
95-63-6	1,2,4-Trimethylbenzene	1.3	1.3	5.4	U
108-67-8	1,3,5-Trimethylbenzene	1.5	1.5	5.4	U
75-01-4	Vinyl chloride	2.0	2.0	5.4	U
179601-23-1	m,p-Xylene	1.1	1.1	10.7	U
95-47-6	o-Xylene	1.1	1.1	5.4	U
109-99-9	Tetrahydrofuran	5.8	5.8	10.7	U
60-29-7	Ethyl ether	1.2	1.2	5.4	U
994-05-8	Tert-amyl methyl ether	1.7	1.7	5.4	U
637-92-3	Ethyl tert-butyl ether	1.8	1.8	5.4	U
108-20-3	Di-isopropyl ether	0.9	0.9	5.4	U
75-65-0	Tert-Butanol / butyl alcohol	31.3	31.3	53.7	U
110-57-6	trans-1,4-Dichloro-2-butene	7.0	7.0	26.8	U
110-82-7	Cyclohexane	1.3	1.3	26.8	U
1330-20-7	Total Xylenes	1.1	1.1	5.4	U
79-20-9	Methyl acetate	1.7	1.7	26.8	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	1806323.D
Sampled:	02/09/16 11:40	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 04:41
% Solids:	81.88	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.17 g / 5 ml
Batch:	1602695	Sequence:	S601220	Calibration:	1512048
Instrument:	HPV9				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.3	1.3	26.8	U
123-91-1	1,4-Dioxane	60.4	60.4	107	U
64-17-5	Ethanol	124	124	2150	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	1806323.D		
Sampled:	02/09/16 11:40	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 04:41		
% Solids:	81.88	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.17 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	1806324.D		
Sampled:	02/09/16 13:45	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 05:10		
% Solids:	84.15	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.45 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.1	2.1	5.5	U
67-64-1	Acetone	6.1	6.1	55.5	U
107-13-1	Acrylonitrile	2.1	2.1	5.5	U
71-43-2	Benzene	1.0	1.0	5.5	U
108-86-1	Bromobenzene	1.0	1.0	5.5	U
74-97-5	Bromochloromethane	2.2	2.2	5.5	U
75-27-4	Bromodichloromethane	1.4	1.4	5.5	U
75-25-2	Bromoform	1.5	1.5	5.5	U
74-83-9	Bromomethane	3.2	3.2	11.1	U
78-93-3	2-Butanone (MEK)	3.2	3.2	55.5	U
104-51-8	n-Butylbenzene	0.8	0.8	5.5	U J
135-98-8	sec-Butylbenzene	1.2	1.2	5.5	U
98-06-6	tert-Butylbenzene	2.3	2.3	5.5	U
75-15-0	Carbon disulfide	1.2	1.2	11.1	U
56-23-5	Carbon tetrachloride	1.2	1.2	5.5	U
108-90-7	Chlorobenzene	0.9	0.9	5.5	U
75-00-3	Chloroethane	1.9	1.9	11.1	U
67-66-3	Chloroform	1.8	1.8	5.5	U
74-87-3	Chloromethane	1.9	1.9	11.1	U
95-49-8	2-Chlorotoluene	1.4	1.4	5.5	U
106-43-4	4-Chlorotoluene	1.1	1.1	5.5	U
96-12-8	1,2-Dibromo-3-chloropropane	4.1	4.1	11.1	U
124-48-1	Dibromochloromethane	1.2	1.2	5.5	U
106-93-4	1,2-Dibromoethane (EDB)	1.1	1.1	5.5	U
74-95-3	Dibromomethane	1.1	1.1	5.5	U
95-50-1	1,2-Dichlorobenzene	1.0	1.0	5.5	U
541-73-1	1,3-Dichlorobenzene	0.9	0.9	5.5	U
106-46-7	1,4-Dichlorobenzene	1.4	1.4	5.5	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.8	1.8	11.1	U
75-34-3	1,1-Dichloroethane	1.8	1.8	5.5	U
107-06-2	1,2-Dichloroethane	1.3	1.3	5.5	U
75-35-4	1,1-Dichloroethene	2.7	2.7	5.5	U
156-59-2	cis-1,2-Dichloroethene	2.0	2.0	5.5	U
156-60-5	trans-1,2-Dichloroethene	2.4	2.4	5.5	U
78-87-5	1,2-Dichloropropane	2.2	2.2	5.5	U
142-28-9	1,3-Dichloropropane	1.1	1.1	5.5	U
594-20-7	2,2-Dichloropropane	2.6	2.6	5.5	U
563-58-6	1,1-Dichloropropene	1.4	1.4	5.5	U
10061-01-5	cis-1,3-Dichloropropene	1.5	1.5	5.5	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	1806324.D		
Sampled:	02/09/16 13:45	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 05:10		
% Solids:	84.15	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.45 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1.9	1.9	5.5	U
100-41-4	Ethylbenzene	1.0	1.0	5.5	U
87-68-3	Hexachlorobutadiene	1.2	1.2	5.5	U J
591-78-6	2-Hexanone (MBK)	3.7	3.7	55.5	U
98-82-8	Isopropylbenzene	1.1	1.1	5.5	U
99-87-6	4-Isopropyltoluene	5.2	5.2	5.5	U
1634-04-4	Methyl tert-butyl ether	2.1	2.1	5.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	3.0	3.0	55.5	U
75-09-2	Methylene chloride	1.6	1.6	11.1	U
91-20-3	Naphthalene	0.9	0.9	5.5	U
103-65-1	n-Propylbenzene	5.4	5.4	5.5	U
100-42-5	Styrene	1.0	1.0	5.5	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	1.2	5.5	U
79-34-5	1,1,2,2-Tetrachloroethane	3.0	3.0	5.5	U
127-18-4	Tetrachloroethene	2.1	2.1	5.5	U
108-88-3	Toluene	1.3	1.3	5.5	U
87-61-6	1,2,3-Trichlorobenzene	1.2	1.2	5.5	U J
120-82-1	1,2,4-Trichlorobenzene	1.7	1.7	5.5	U J
71-55-6	1,1,1-Trichloroethane	1.4	1.4	5.5	U
108-70-3	1,3,5-Trichlorobenzene	1.1	1.1	5.5	U J
79-00-5	1,1,2-Trichloroethane	1.5	1.5	5.5	U
79-01-6	Trichloroethene	1.0	1.0	5.5	U
75-69-4	Trichlorofluoromethane (Freon 11)	2.0	2.0	5.5	U
96-18-4	1,2,3-Trichloropropane	1.1	1.1	5.5	U
95-63-6	1,2,4-Trimethylbenzene	1.4	1.4	5.5	U
108-67-8	1,3,5-Trimethylbenzene	1.6	1.6	5.5	U
75-01-4	Vinyl chloride	2.0	2.0	5.5	U
179601-23-1	m,p-Xylene	1.1	1.1	11.1	U
95-47-6	o-Xylene	1.2	1.2	5.5	U
109-99-9	Tetrahydrofuran	6.0	6.0	11.1	U
60-29-7	Ethyl ether	1.3	1.3	5.5	U
994-05-8	Tert-amyl methyl ether	1.7	1.7	5.5	U
637-92-3	Ethyl tert-butyl ether	1.8	1.8	5.5	U
108-20-3	Di-isopropyl ether	0.9	0.9	5.5	U
75-65-0	Tert-Butanol / butyl alcohol	32.3	32.3	55.5	U
110-57-6	trans-1,4-Dichloro-2-butene	7.2	7.2	27.7	U
110-82-7	Cyclohexane	1.3	1.3	27.7	U
1330-20-7	Total Xylenes	1.1	1.1	5.5	U
79-20-9	Methyl acetate	1.7	1.7	27.7	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	1806324.D
Sampled:	02/09/16 13:45	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 05:10
% Solids:	84.15	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.45 g / 5 ml
Batch:	1602695	Sequence:	S601220	Calibration:	1512048
Instrument:	HPV9				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.3	1.3	27.7	U
123-91-1	1,4-Dioxane	62.4	62.4	111	U
64-17-5	Ethanol	128	128	2220	U J

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	1806324.D		
Sampled:	02/09/16 13:45	Prepared:	02/15/16 10:07	Analyzed:	02/16/16 05:10		
% Solids:	84.15	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.45 g / 5 ml		
Batch:	1602695	Sequence:	S601220	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	1806325.D		
Sampled:	02/09/16 15:05	Prepared:	02/12/16 10:48	Analyzed:	02/12/16 11:49		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1602604	Sequence:	S601171	Calibration:	1601003	Instrument:	HPV2
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
64-17-5	Ethanol	22.7	22.7	400	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.5	0.5	1.0	U
67-64-1	Acetone	2.8	2.5	10.0	J
107-13-1	Acrylonitrile	0.5	0.5	0.5	U
71-43-2	Benzene	0.2	0.2	1.0	U
108-86-1	Bromobenzene	0.1	0.1	1.0	U
74-97-5	Bromochloromethane	0.3	0.3	1.0	U
75-27-4	Bromodichloromethane	0.2	0.2	0.5	U
75-25-2	Bromoform	0.3	0.3	1.0	U
74-83-9	Bromomethane	0.5	0.5	2.0	U
78-93-3	2-Butanone (MEK)	1.2	1.2	10.0	U
104-51-8	n-Butylbenzene	0.3	0.3	1.0	U
135-98-8	sec-Butylbenzene	0.2	0.2	1.0	U
98-06-6	tert-Butylbenzene	0.2	0.2	1.0	U
75-15-0	Carbon disulfide	0.3	0.3	2.0	U
56-23-5	Carbon tetrachloride	0.2	0.2	1.0	U
108-90-7	Chlorobenzene	0.2	0.2	1.0	U
75-00-3	Chloroethane	0.4	0.4	2.0	U
67-66-3	Chloroform	0.4	0.4	1.0	U
74-87-3	Chloromethane	0.3	0.3	2.0	U
95-49-8	2-Chlorotoluene	0.3	0.3	1.0	U
106-43-4	4-Chlorotoluene	0.2	0.2	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	0.9	0.9	2.0	U
124-48-1	Dibromochloromethane	0.2	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.3	0.3	0.5	U
74-95-3	Dibromomethane	0.3	0.3	1.0	U
95-50-1	1,2-Dichlorobenzene	0.2	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	0.2	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	0.2	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.6	0.6	2.0	U
75-34-3	1,1-Dichloroethane	0.2	0.2	1.0	U
107-06-2	1,2-Dichloroethane	0.2	0.2	1.0	U
75-35-4	1,1-Dichloroethene	0.3	0.3	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.2	0.2	1.0	U
156-60-5	trans-1,2-Dichloroethene	0.2	0.2	1.0	U
78-87-5	1,2-Dichloropropane	0.1	0.1	1.0	U
142-28-9	1,3-Dichloropropane	0.2	0.2	1.0	U
594-20-7	2,2-Dichloropropane	0.7	0.7	1.0	U
563-58-6	1,1-Dichloropropene	0.3	0.3	1.0	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	1806325.D		
Sampled:	02/09/16 15:05	Prepared:	02/12/16 10:48	Analyzed:	02/12/16 11:49		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1602604	Sequence:	S601171	Calibration:	1601003	Instrument:	HPV2
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
10061-01-5	cis-1,3-Dichloropropene	0.2	0.2	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.3	0.3	0.5	U
100-41-4	Ethylbenzene	0.2	0.2	1.0	U
87-68-3	Hexachlorobutadiene	0.4	0.4	0.5	U
591-78-6	2-Hexanone (MBK)	0.5	0.5	10.0	U
98-82-8	Isopropylbenzene	0.2	0.2	1.0	U
99-87-6	4-Isopropyltoluene	0.4	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	0.2	0.2	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	0.7	0.7	10.0	U
75-09-2	Methylene chloride	0.3	0.3	2.0	U
91-20-3	Naphthalene	0.6	0.4	1.0	J
103-65-1	n-Propylbenzene	0.2	0.2	1.0	U
100-42-5	Styrene	0.2	0.2	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	0.2	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	0.3	0.5	U
127-18-4	Tetrachloroethene	0.6	0.6	1.0	U
108-88-3	Toluene	0.3	0.3	1.0	U
87-61-6	1,2,3-Trichlorobenzene	0.3	0.3	1.0	U
120-82-1	1,2,4-Trichlorobenzene	0.4	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	0.2	0.2	1.0	U
108-70-3	1,3,5-Trichlorobenzene	0.2	0.2	1.0	U
79-00-5	1,1,2-Trichloroethane	0.2	0.2	1.0	U
79-01-6	Trichloroethene	0.4	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	0.5	0.5	1.0	U
96-18-4	1,2,3-Trichloropropane	0.2	0.2	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.4	0.4	1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.9	0.9	1.0	U
75-01-4	Vinyl chloride	0.3	0.3	1.0	U
179601-23-1	m,p-Xylene	0.4	0.4	2.0	U
95-47-6	o-Xylene	0.5	0.5	1.0	U
109-99-9	Tetrahydrofuran	0.7	0.7	2.0	U
60-29-7	Ethyl ether	0.2	0.2	1.0	U
994-05-8	Tert-amyl methyl ether	0.3	0.3	1.0	U
637-92-3	Ethyl tert-butyl ether	0.1	0.1	1.0	U
108-20-3	Di-isopropyl ether	0.2	0.2	1.0	U
75-65-0	Tert-Butanol / butyl alcohol	7.5	7.5	10.0	U
110-57-6	trans-1,4-Dichloro-2-butene	1.1	1.1	5.0	U
110-82-7	Cyclohexane	0.3	0.3	5.0	U
1330-20-7	Total Xylenes	0.4	0.4	1.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	1806325.D		
Sampled:	02/09/16 15:05	Prepared:	02/12/16 10:48	Analyzed:	02/12/16 11:49		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1602604	Sequence:	S601171	Calibration:	1601003	Instrument:	HPV2
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
79-20-9	Methyl acetate	0.7	0.7	5.0	U
108-87-2	Methylcyclohexane	0.7	0.7	5.0	U
123-91-1	1,4-Dioxane	12.4	12.4	20.0	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	1806325.D		
Sampled:	02/09/16 15:05	Prepared:	02/12/16 10:48	Analyzed:	02/12/16 11:49		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1602604	Sequence:	S601171	Calibration:	1601003	Instrument:	HPV2
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	C1806302.D		
Sampled:	02/08/16 11:20	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 14:54		
% Solids:	80.33	Preparation:	SW846 3545A	Initial/Final:	30.5659 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	95.0	95.0	407	U
208-96-8	Acenaphthylene	86.4	86.4	407	U
62-53-3	Aniline	416	416	2020	U
120-12-7	Anthracene	159	93.2	407	J
103-33-3	Azobenzene/Diphenyldiazene	486	486	2020	U
92-87-5	Benzidine	494	494	2020	U
56-55-3	Benzo (a) anthracene	835	84.4	407	
50-32-8	Benzo (a) pyrene	768	84.9	407	
205-99-2	Benzo (b) fluoranthene	996	92.9	407	
191-24-2	Benzo (g,h,i) perylene	481	88.3	407	
207-08-9	Benzo (k) fluoranthene	422	92.9	407	
65-85-0	Benzoic acid	471	471	2020	U
100-51-6	Benzyl alcohol	370	370	2020	U
111-91-1	Bis(2-chloroethoxy)methane	368	368	2020	U
111-44-4	Bis(2-chloroethyl)ether	367	367	1020	U
108-60-1	Bis(2-chloroisopropyl)ether	366	366	1020	U
117-81-7	Bis(2-ethylhexyl)phthalate	503	503	1020	U
101-55-3	4-Bromophenyl phenyl ether	407	407	2020	U
85-68-7	Butyl benzyl phthalate	447	447	2020	U
86-74-8	Carbazole	518	518	1020	U
59-50-7	4-Chloro-3-methylphenol	418	418	2020	U
106-47-8	4-Chloroaniline	416	416	1020	U
91-58-7	2-Chloronaphthalene	355	355	2020	U
95-57-8	2-Chlorophenol	361	361	1020	U
7005-72-3	4-Chlorophenyl phenyl ether	379	379	2020	U
218-01-9	Chrysene	788	99.6	407	
53-70-3	Dibenzo (a,h) anthracene	126	74.8	407	J
132-64-9	Dibenzofuran	74.8	74.8	1020	U
95-50-1	1,2-Dichlorobenzene	339	339	2020	U
541-73-1	1,3-Dichlorobenzene	358	358	2020	U
106-46-7	1,4-Dichlorobenzene	334	334	2020	U
91-94-1	3,3´-Dichlorobenzidine	409	409	2020	U
120-83-2	2,4-Dichlorophenol	347	347	1020	U
84-66-2	Diethyl phthalate	421	421	2020	U
131-11-3	Dimethyl phthalate	397	397	2020	U
105-67-9	2,4-Dimethylphenol	346	346	2020	U
84-74-2	Di-n-butyl phthalate	453	453	2020	U
534-52-1	4,6-Dinitro-2-methylphenol	536	536	2020	U
51-28-5	2,4-Dinitrophenol	531	531	2020	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	C1806302.D		
Sampled:	02/08/16 11:20	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 14:54		
% Solids:	80.33	Preparation:	SW846 3545A	Initial/Final:	30.5659 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	420	420	1020	U
606-20-2	2,6-Dinitrotoluene	396	396	1020	U
117-84-0	Di-n-octyl phthalate	435	435	2020	U
206-44-0	Fluoranthene	1530	102	407	
86-73-7	Fluorene	97.6	97.6	407	U
118-74-1	Hexachlorobenzene	446	446	1020	U
87-68-3	Hexachlorobutadiene	324	324	1020	U
77-47-4	Hexachlorocyclopentadiene	372	372	1020	U
67-72-1	Hexachloroethane	392	392	1020	U
193-39-5	Indeno (1,2,3-cd) pyrene	546	83.3	407	
78-59-1	Isophorone	356	356	1020	U
91-57-6	2-Methylnaphthalene	84.1	84.1	407	U
95-48-7	2-Methylphenol	362	362	2020	U
108-39-4, 106-44	3 & 4-Methylphenol	454	454	2020	U
91-20-3	Naphthalene	83.0	83.0	407	U
88-74-4	2-Nitroaniline	404	404	2020	U
99-09-2	3-Nitroaniline	482	482	2020	U
100-01-6	4-Nitroaniline	583	583	1020	U
98-95-3	Nitrobenzene	396	396	1020	U
88-75-5	2-Nitrophenol	338	338	1020	U
100-02-7	4-Nitrophenol	545	545	8060	U
62-75-9	N-Nitrosodimethylamine	400	400	1020	U
621-64-7	N-Nitrosodi-n-propylamine	434	434	1020	U
86-30-6	N-Nitrosodiphenylamine	474	474	2020	U
87-86-5	Pentachlorophenol	480	480	2020	U
85-01-8	Phenanthrene	745	99.5	407	
108-95-2	Phenol	367	367	2020	U
129-00-0	Pyrene	1250	86.8	407	
110-86-1	Pyridine	436	436	2020	U
120-82-1	1,2,4-Trichlorobenzene	321	321	2020	U
90-12-0	1-Methylnaphthalene	103	103	407	U
95-95-4	2,4,5-Trichlorophenol	417	417	2020	U
88-06-2	2,4,6-Trichlorophenol	386	386	1020	U
82-68-8	Pentachloronitrobenzene	432	432	2020	U
95-94-3	1,2,4,5-Tetrachlorobenzene	366	366	2020	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	C1806302.D		
Sampled:	02/08/16 11:20	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 14:54		
% Solids:	80.33	Preparation:	SW846 3545A	Initial/Final:	30.5659 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	C1806303.D
Sampled:	02/08/16 11:55	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 15:25
% Solids:	76.17	Preparation:	SW846 3545A	Initial/Final:	30.0924 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	5		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	102	102	436	U
208-96-8	Acenaphthylene	92.6	92.6	436	U
62-53-3	Aniline	446	446	2160	U
120-12-7	Anthracene	137	99.9	436	J
103-33-3	Azobenzene/Diphenyldiazene	521	521	2160	U
92-87-5	Benzidine	529	529	2160	U
56-55-3	Benzo (a) anthracene	663	90.4	436	
50-32-8	Benzo (a) pyrene	654	91.0	436	
205-99-2	Benzo (b) fluoranthene	849	99.5	436	
191-24-2	Benzo (g,h,i) perylene	334	94.6	436	J
207-08-9	Benzo (k) fluoranthene	380	99.5	436	J
65-85-0	Benzoic acid	504	504	2160	U
100-51-6	Benzyl alcohol	397	397	2160	U
111-91-1	Bis(2-chloroethoxy)methane	394	394	2160	U
111-44-4	Bis(2-chloroethyl)ether	393	393	1090	U
108-60-1	Bis(2-chloroisopropyl)ether	392	392	1090	U
117-81-7	Bis(2-ethylhexyl)phthalate	539	539	1090	U
101-55-3	4-Bromophenyl phenyl ether	436	436	2160	U
85-68-7	Butyl benzyl phthalate	479	479	2160	U
86-74-8	Carbazole	555	555	1090	U
59-50-7	4-Chloro-3-methylphenol	448	448	2160	U
106-47-8	4-Chloroaniline	446	446	1090	U
91-58-7	2-Chloronaphthalene	380	380	2160	U
95-57-8	2-Chlorophenol	386	386	1090	U
7005-72-3	4-Chlorophenyl phenyl ether	406	406	2160	U
218-01-9	Chrysene	663	107	436	
53-70-3	Dibenzo (a,h) anthracene	82.9	80.2	436	J
132-64-9	Dibenzofuran	80.2	80.2	1090	U
95-50-1	1,2-Dichlorobenzene	363	363	2160	U
541-73-1	1,3-Dichlorobenzene	383	383	2160	U
106-46-7	1,4-Dichlorobenzene	357	357	2160	U
91-94-1	3,3´-Dichlorobenzidine	439	439	2160	U
120-83-2	2,4-Dichlorophenol	372	372	1090	U
84-66-2	Diethyl phthalate	451	451	2160	U
131-11-3	Dimethyl phthalate	425	425	2160	U
105-67-9	2,4-Dimethylphenol	370	370	2160	U
84-74-2	Di-n-butyl phthalate	485	485	2160	U
534-52-1	4,6-Dinitro-2-methylphenol	574	574	2160	U
51-28-5	2,4-Dinitrophenol	569	569	2160	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	C1806303.D		
Sampled:	02/08/16 11:55	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 15:25		
% Solids:	76.17	Preparation:	SW846 3545A	Initial/Final:	30.0924 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	450	450	1090	U
606-20-2	2,6-Dinitrotoluene	424	424	1090	U
117-84-0	Di-n-octyl phthalate	466	466	2160	U
206-44-0	Fluoranthene	1400	110	436	
86-73-7	Fluorene	105	105	436	U
118-74-1	Hexachlorobenzene	477	477	1090	U
87-68-3	Hexachlorobutadiene	348	348	1090	U
77-47-4	Hexachlorocyclopentadiene	398	398	1090	U
67-72-1	Hexachloroethane	420	420	1090	U
193-39-5	Indeno (1,2,3-cd) pyrene	414	89.3	436	J
78-59-1	Isophorone	381	381	1090	U
91-57-6	2-Methylnaphthalene	90.0	90.0	436	U
95-48-7	2-Methylphenol	387	387	2160	U
108-39-4, 106-44	3 & 4-Methylphenol	486	486	2160	U
91-20-3	Naphthalene	88.9	88.9	436	U
88-74-4	2-Nitroaniline	433	433	2160	U
99-09-2	3-Nitroaniline	517	517	2160	U
100-01-6	4-Nitroaniline	624	624	1090	U
98-95-3	Nitrobenzene	424	424	1090	U
88-75-5	2-Nitrophenol	362	362	1090	U
100-02-7	4-Nitrophenol	583	583	8640	U
62-75-9	N-Nitrosodimethylamine	428	428	1090	U
621-64-7	N-Nitrosodi-n-propylamine	465	465	1090	U
86-30-6	N-Nitrosodiphenylamine	508	508	2160	U
87-86-5	Pentachlorophenol	514	514	2160	U
85-01-8	Phenanthrene	643	107	436	
108-95-2	Phenol	393	393	2160	U
129-00-0	Pyrene	1190	93.0	436	
110-86-1	Pyridine	467	467	2160	U
120-82-1	1,2,4-Trichlorobenzene	344	344	2160	U
90-12-0	1-Methylnaphthalene	110	110	436	U
95-95-4	2,4,5-Trichlorophenol	447	447	2160	U
88-06-2	2,4,6-Trichlorophenol	414	414	1090	U
82-68-8	Pentachloronitrobenzene	463	463	2160	U
95-94-3	1,2,4,5-Tetrachlorobenzene	392	392	2160	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	C1806303.D		
Sampled:	02/08/16 11:55	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 15:25		
% Solids:	76.17	Preparation:	SW846 3545A	Initial/Final:	30.0924 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	C1806306.D
Sampled:	02/08/16 13:12	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 15:56
% Solids:	76.32	Preparation:	SW846 3545A	Initial/Final:	30.2549 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	40.4	40.4	173	U
208-96-8	Acenaphthylene	107	36.8	173	J
62-53-3	Aniline	177	177	857	U
120-12-7	Anthracene	101	39.7	173	J
103-33-3	Azobenzene/Diphenyldiazene	207	207	857	U
92-87-5	Benzidine	210	210	857	U
56-55-3	Benzo (a) anthracene	495	35.9	173	
50-32-8	Benzo (a) pyrene	431	36.1	173	
205-99-2	Benzo (b) fluoranthene	663	39.5	173	
191-24-2	Benzo (g,h,i) perylene	251	37.5	173	
207-08-9	Benzo (k) fluoranthene	263	39.5	173	
65-85-0	Benzoic acid	200	200	857	U
100-51-6	Benzyl alcohol	158	158	857	U
111-91-1	Bis(2-chloroethoxy)methane	157	157	857	U
111-44-4	Bis(2-chloroethyl)ether	156	156	434	U
108-60-1	Bis(2-chloroisopropyl)ether	156	156	434	U
117-81-7	Bis(2-ethylhexyl)phthalate	214	214	434	U
101-55-3	4-Bromophenyl phenyl ether	173	173	857	U
85-68-7	Butyl benzyl phthalate	190	190	857	U
86-74-8	Carbazole	220	220	434	U
59-50-7	4-Chloro-3-methylphenol	178	178	857	U
106-47-8	4-Chloroaniline	177	177	434	U J
91-58-7	2-Chloronaphthalene	151	151	857	U
95-57-8	2-Chlorophenol	153	153	434	U
7005-72-3	4-Chlorophenyl phenyl ether	161	161	857	U
218-01-9	Chrysene	492	42.4	173	
53-70-3	Dibenzo (a,h) anthracene	66.7	31.8	173	J
132-64-9	Dibenzofuran	46.8	31.8	434	J
95-50-1	1,2-Dichlorobenzene	144	144	857	U
541-73-1	1,3-Dichlorobenzene	152	152	857	U
106-46-7	1,4-Dichlorobenzene	142	142	857	U
91-94-1	3,3´-Dichlorobenzidine	174	174	857	U
120-83-2	2,4-Dichlorophenol	148	148	434	U
84-66-2	Diethyl phthalate	179	179	857	U
131-11-3	Dimethyl phthalate	169	169	857	U
105-67-9	2,4-Dimethylphenol	147	147	857	U
84-74-2	Di-n-butyl phthalate	193	193	857	U
534-52-1	4,6-Dinitro-2-methylphenol	228	228	857	U
51-28-5	2,4-Dinitrophenol	226	226	857	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	C1806306.D
Sampled:	02/08/16 13:12	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 15:56
% Solids:	76.32	Preparation:	SW846 3545A	Initial/Final:	30.2549 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	179	179	434	U
606-20-2	2,6-Dinitrotoluene	168	168	434	U
117-84-0	Di-n-octyl phthalate	185	185	857	U
206-44-0	Fluoranthene	914	43.5	173	
86-73-7	Fluorene	41.5	41.5	173	U
118-74-1	Hexachlorobenzene	190	190	434	U
87-68-3	Hexachlorobutadiene	138	138	434	U
77-47-4	Hexachlorocyclopentadiene	158	158	434	U
67-72-1	Hexachloroethane	167	167	434	U
193-39-5	Indeno (1,2,3-cd) pyrene	275	35.4	173	
78-59-1	Isophorone	151	151	434	U
91-57-6	2-Methylnaphthalene	110	35.8	173	J
95-48-7	2-Methylphenol	154	154	857	U
108-39-4, 106-44	3 & 4-Methylphenol	193	193	857	U
91-20-3	Naphthalene	83.1	35.3	173	J
88-74-4	2-Nitroaniline	172	172	857	U
99-09-2	3-Nitroaniline	205	205	857	U J
100-01-6	4-Nitroaniline	248	248	434	U J
98-95-3	Nitrobenzene	168	168	434	U
88-75-5	2-Nitrophenol	144	144	434	U
100-02-7	4-Nitrophenol	232	232	3430	U
62-75-9	N-Nitrosodimethylamine	170	170	434	U
621-64-7	N-Nitrosodi-n-propylamine	185	185	434	U
86-30-6	N-Nitrosodiphenylamine	202	202	857	U
87-86-5	Pentachlorophenol	204	204	857	U
85-01-8	Phenanthrene	391	42.3	173	
108-95-2	Phenol	156	156	857	U
129-00-0	Pyrene	813	36.9	173	
110-86-1	Pyridine	186	186	857	U
120-82-1	1,2,4-Trichlorobenzene	136	136	857	U
90-12-0	1-Methylnaphthalene	93.5	43.9	173	J
95-95-4	2,4,5-Trichlorophenol	177	177	857	U
88-06-2	2,4,6-Trichlorophenol	164	164	434	U
82-68-8	Pentachloronitrobenzene	184	184	857	U
95-94-3	1,2,4,5-Tetrachlorobenzene	156	156	857	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	C1806306.D		
Sampled:	02/08/16 13:12	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 15:56		
% Solids:	76.32	Preparation:	SW846 3545A	Initial/Final:	30.2549 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	2				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

007-SS-4 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-07	File ID:	C1806307.D		
Sampled:	02/08/16 13:19	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 16:28		
% Solids:	77.84	Preparation:	SW846 3545A	Initial/Final:	30.304 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	19.8	19.8	84.8	U
208-96-8	Acenaphthylene	19.5	18.0	84.8	J
62-53-3	Aniline	86.6	86.6	420	U
120-12-7	Anthracene	19.9	19.4	84.8	J
103-33-3	Azobenzene/Diphenyldiazene	101	101	420	U
92-87-5	Benzidine	103	103	420	U
56-55-3	Benzo (a) anthracene	97.5	17.6	84.8	
50-32-8	Benzo (a) pyrene	96.7	17.7	84.8	
205-99-2	Benzo (b) fluoranthene	134	19.3	84.8	
191-24-2	Benzo (g,h,i) perylene	60.2	18.4	84.8	J
207-08-9	Benzo (k) fluoranthene	57.2	19.3	84.8	J
65-85-0	Benzoic acid	98.0	98.0	420	U
100-51-6	Benzyl alcohol	77.1	77.1	420	U
111-91-1	Bis(2-chloroethoxy)methane	76.6	76.6	420	U
111-44-4	Bis(2-chloroethyl)ether	76.3	76.3	212	U
108-60-1	Bis(2-chloroisopropyl)ether	76.2	76.2	212	U
117-81-7	Bis(2-ethylhexyl)phthalate	105	105	212	U
101-55-3	4-Bromophenyl phenyl ether	84.8	84.8	420	U
85-68-7	Butyl benzyl phthalate	93.0	93.0	420	U
86-74-8	Carbazole	108	108	212	U
59-50-7	4-Chloro-3-methylphenol	87.1	87.1	420	U
106-47-8	4-Chloroaniline	86.6	86.6	212	U
91-58-7	2-Chloronaphthalene	73.8	73.8	420	U
95-57-8	2-Chlorophenol	75.1	75.1	212	U
7005-72-3	4-Chlorophenyl phenyl ether	78.8	78.8	420	U
218-01-9	Chrysene	111	20.7	84.8	
53-70-3	Dibenzo (a,h) anthracene	15.7	15.6	84.8	J
132-64-9	Dibenzofuran	15.6	15.6	212	U
95-50-1	1,2-Dichlorobenzene	70.6	70.6	420	U
541-73-1	1,3-Dichlorobenzene	74.5	74.5	420	U
106-46-7	1,4-Dichlorobenzene	69.5	69.5	420	U
91-94-1	3,3´-Dichlorobenzidine	85.2	85.2	420	U
120-83-2	2,4-Dichlorophenol	72.3	72.3	212	U
84-66-2	Diethyl phthalate	87.6	87.6	420	U
131-11-3	Dimethyl phthalate	82.7	82.7	420	U
105-67-9	2,4-Dimethylphenol	71.9	71.9	420	U
84-74-2	Di-n-butyl phthalate	94.2	94.2	420	U
534-52-1	4,6-Dinitro-2-methylphenol	112	112	420	U
51-28-5	2,4-Dinitrophenol	111	111	420	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

007-SS-4 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-07	File ID:	C1806307.D
Sampled:	02/08/16 13:19	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 16:28
% Solids:	77.84	Preparation:	SW846 3545A	Initial/Final:	30.304 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	87.5	87.5	212	U
606-20-2	2,6-Dinitrotoluene	82.4	82.4	212	U
117-84-0	Di-n-octyl phthalate	90.6	90.6	420	U
206-44-0	Fluoranthene	178	21.3	84.8	
86-73-7	Fluorene	20.3	20.3	84.8	U
118-74-1	Hexachlorobenzene	92.8	92.8	212	U
87-68-3	Hexachlorobutadiene	67.5	67.5	212	U
77-47-4	Hexachlorocyclopentadiene	77.4	77.4	212	U
67-72-1	Hexachloroethane	81.5	81.5	212	U
193-39-5	Indeno (1,2,3-cd) pyrene	71.6	17.3	84.8	J
78-59-1	Isophorone	74.1	74.1	212	U
91-57-6	2-Methylnaphthalene	25.4	17.5	84.8	J
95-48-7	2-Methylphenol	75.3	75.3	420	U
108-39-4, 106-44	3 & 4-Methylphenol	94.5	94.5	420	U
91-20-3	Naphthalene	19.1	17.3	84.8	J
88-74-4	2-Nitroaniline	84.1	84.1	420	U
99-09-2	3-Nitroaniline	100	100	420	U JJ
100-01-6	4-Nitroaniline	121	121	212	U J
98-95-3	Nitrobenzene	82.4	82.4	212	U
88-75-5	2-Nitrophenol	70.3	70.3	212	U
100-02-7	4-Nitrophenol	113	113	1680	U
62-75-9	N-Nitrosodimethylamine	83.3	83.3	212	U
621-64-7	N-Nitrosodi-n-propylamine	90.4	90.4	212	U
86-30-6	N-Nitrosodiphenylamine	98.7	98.7	420	U
87-86-5	Pentachlorophenol	99.9	99.9	420	U
85-01-8	Phenanthrene	72.9	20.7	84.8	J
108-95-2	Phenol	76.4	76.4	420	U
129-00-0	Pyrene	162	18.1	84.8	
110-86-1	Pyridine	90.9	90.9	420	U
120-82-1	1,2,4-Trichlorobenzene	66.8	66.8	420	U
90-12-0	1-Methylnaphthalene	21.5	21.5	84.8	U
95-95-4	2,4,5-Trichlorophenol	86.8	86.8	420	U
88-06-2	2,4,6-Trichlorophenol	80.4	80.4	212	U
82-68-8	Pentachloronitrobenzene	89.9	89.9	420	U
95-94-3	1,2,4,5-Tetrachlorobenzene	76.1	76.1	420	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

007-SS-4 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-07	File ID:	C1806307.D		
Sampled:	02/08/16 13:19	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 16:28		
% Solids:	77.84	Preparation:	SW846 3545A	Initial/Final:	30.304 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

008-SS-4 (1.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-08	File ID:	C1806308.D
Sampled:	02/08/16 13:30	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 16:59
% Solids:	82.20	Preparation:	SW846 3545A	Initial/Final:	30.4281 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	18.7	18.7	80.0	U
208-96-8	Acenaphthylene	17.0	17.0	80.0	U
62-53-3	Aniline	81.7	81.7	396	U
120-12-7	Anthracene	18.3	18.3	80.0	U
103-33-3	Azobenzene/Diphenyldiazene	95.4	95.4	396	U
92-87-5	Benzidine	96.9	96.9	396	U
56-55-3	Benzo (a) anthracene	73.6	16.6	80.0	J
50-32-8	Benzo (a) pyrene	72.8	16.7	80.0	J
205-99-2	Benzo (b) fluoranthene	104	18.2	80.0	
191-24-2	Benzo (g,h,i) perylene	52.4	17.3	80.0	J
207-08-9	Benzo (k) fluoranthene	40.0	18.2	80.0	J
65-85-0	Benzoic acid	92.4	92.4	396	U
100-51-6	Benzyl alcohol	72.7	72.7	396	U
111-91-1	Bis(2-chloroethoxy)methane	72.3	72.3	396	U
111-44-4	Bis(2-chloroethyl)ether	72.0	72.0	200	U
108-60-1	Bis(2-chloroisopropyl)ether	71.9	71.9	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	98.8	98.8	200	U
101-55-3	4-Bromophenyl phenyl ether	80.0	80.0	396	U
85-68-7	Butyl benzyl phthalate	87.7	87.7	396	U
86-74-8	Carbazole	102	102	200	U
59-50-7	4-Chloro-3-methylphenol	82.1	82.1	396	U
106-47-8	4-Chloroaniline	81.7	81.7	200	U
91-58-7	2-Chloronaphthalene	69.6	69.6	396	U
95-57-8	2-Chlorophenol	70.8	70.8	200	U
7005-72-3	4-Chlorophenyl phenyl ether	74.3	74.3	396	U
218-01-9	Chrysene	80.4	19.6	80.0	
53-70-3	Dibenzo (a,h) anthracene	14.7	14.7	80.0	U
132-64-9	Dibenzofuran	41.6	14.7	200	J
95-50-1	1,2-Dichlorobenzene	66.5	66.5	396	U
541-73-1	1,3-Dichlorobenzene	70.3	70.3	396	U
106-46-7	1,4-Dichlorobenzene	65.5	65.5	396	U
91-94-1	3,3´-Dichlorobenzidine	80.4	80.4	396	U
120-83-2	2,4-Dichlorophenol	68.1	68.1	200	U
84-66-2	Diethyl phthalate	82.6	82.6	396	U
131-11-3	Dimethyl phthalate	78.0	78.0	396	U
105-67-9	2,4-Dimethylphenol	67.9	67.9	396	U
84-74-2	Di-n-butyl phthalate	88.9	88.9	396	U
534-52-1	4,6-Dinitro-2-methylphenol	105	105	396	U
51-28-5	2,4-Dinitrophenol	104	104	396	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

008-SS-4 (1.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-08	File ID:	C1806308.D
Sampled:	02/08/16 13:30	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 16:59
% Solids:	82.20	Preparation:	SW846 3545A	Initial/Final:	30.4281 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	82.5	82.5	200	U
606-20-2	2,6-Dinitrotoluene	77.7	77.7	200	U
117-84-0	Di-n-octyl phthalate	85.5	85.5	396	U
206-44-0	Fluoranthene	104	20.1	80.0	
86-73-7	Fluorene	19.2	19.2	80.0	U
118-74-1	Hexachlorobenzene	87.5	87.5	200	U
87-68-3	Hexachlorobutadiene	63.7	63.7	200	U
77-47-4	Hexachlorocyclopentadiene	73.0	73.0	200	U
67-72-1	Hexachloroethane	76.9	76.9	200	U
193-39-5	Indeno (1,2,3-cd) pyrene	60.4	16.4	80.0	J
78-59-1	Isophorone	69.9	69.9	200	U
91-57-6	2-Methylnaphthalene	131	16.5	80.0	
95-48-7	2-Methylphenol	71.0	71.0	396	U
108-39-4, 106-44	3 & 4-Methylphenol	89.1	89.1	396	U
91-20-3	Naphthalene	80.0	16.3	80.0	
88-74-4	2-Nitroaniline	79.3	79.3	396	U
99-09-2	3-Nitroaniline	94.7	94.7	396	U
100-01-6	4-Nitroaniline	114	114	200	U
98-95-3	Nitrobenzene	77.7	77.7	200	U
88-75-5	2-Nitrophenol	66.3	66.3	200	U
100-02-7	4-Nitrophenol	107	107	1580	U
62-75-9	N-Nitrosodimethylamine	78.5	78.5	200	U
621-64-7	N-Nitrosodi-n-propylamine	85.2	85.2	200	U
86-30-6	N-Nitrosodiphenylamine	93.1	93.1	396	U
87-86-5	Pentachlorophenol	94.2	94.2	396	U
85-01-8	Phenanthrene	134	19.5	80.0	
108-95-2	Phenol	72.1	72.1	396	U
129-00-0	Pyrene	95.6	17.0	80.0	
110-86-1	Pyridine	85.7	85.7	396	U
120-82-1	1,2,4-Trichlorobenzene	63.0	63.0	396	U
90-12-0	1-Methylnaphthalene	120	20.2	80.0	
95-95-4	2,4,5-Trichlorophenol	81.9	81.9	396	U
88-06-2	2,4,6-Trichlorophenol	75.8	75.8	200	U
82-68-8	Pentachloronitrobenzene	84.8	84.8	396	U
95-94-3	1,2,4,5-Tetrachlorobenzene	71.8	71.8	396	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

008-SS-4 (1.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-08	File ID:	C1806308.D		
Sampled:	02/08/16 13:30	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 16:59		
% Solids:	82.20	Preparation:	SW846 3545A	Initial/Final:	30.4281 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	C1806309.D
Sampled:	02/08/16 13:55	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 17:29
% Solids:	82.40	Preparation:	SW846 3545A	Initial/Final:	30.5942 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	37.0	37.0	159	U
208-96-8	Acenaphthylene	33.7	33.7	159	U
62-53-3	Aniline	162	162	785	U
120-12-7	Anthracene	36.3	36.3	159	U
103-33-3	Azobenzene/Diphenyldiazene	189	189	785	U
92-87-5	Benzidine	192	192	785	U
56-55-3	Benzo (a) anthracene	109	32.9	159	J
50-32-8	Benzo (a) pyrene	122	33.1	159	J
205-99-2	Benzo (b) fluoranthene	175	36.2	159	
191-24-2	Benzo (g,h,i) perylene	104	34.4	159	J
207-08-9	Benzo (k) fluoranthene	61.9	36.2	159	J
65-85-0	Benzoic acid	183	183	785	U
100-51-6	Benzyl alcohol	144	144	785	U
111-91-1	Bis(2-chloroethoxy)methane	143	143	785	U
111-44-4	Bis(2-chloroethyl)ether	143	143	397	U
108-60-1	Bis(2-chloroisopropyl)ether	143	143	397	U
117-81-7	Bis(2-ethylhexyl)phthalate	196	196	397	U
101-55-3	4-Bromophenyl phenyl ether	159	159	785	U
85-68-7	Butyl benzyl phthalate	174	174	785	U
86-74-8	Carbazole	202	202	397	U
59-50-7	4-Chloro-3-methylphenol	163	163	785	U
106-47-8	4-Chloroaniline	162	162	397	U J
91-58-7	2-Chloronaphthalene	138	138	785	U
95-57-8	2-Chlorophenol	140	140	397	U
7005-72-3	4-Chlorophenyl phenyl ether	148	148	785	U
218-01-9	Chrysene	120	38.8	159	J
53-70-3	Dibenzo (a,h) anthracene	29.2	29.2	159	U
132-64-9	Dibenzofuran	29.2	29.2	397	U
95-50-1	1,2-Dichlorobenzene	132	132	785	U
541-73-1	1,3-Dichlorobenzene	139	139	785	U
106-46-7	1,4-Dichlorobenzene	130	130	785	U
91-94-1	3,3´-Dichlorobenzidine	159	159	785	U
120-83-2	2,4-Dichlorophenol	135	135	397	U
84-66-2	Diethyl phthalate	164	164	785	U
131-11-3	Dimethyl phthalate	155	155	785	U
105-67-9	2,4-Dimethylphenol	135	135	785	U
84-74-2	Di-n-butyl phthalate	176	176	785	U
534-52-1	4,6-Dinitro-2-methylphenol	209	209	785	U
51-28-5	2,4-Dinitrophenol	207	207	785	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	C1806309.D
Sampled:	02/08/16 13:55	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 17:29
% Solids:	82.40	Preparation:	SW846 3545A	Initial/Final:	30.5942 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	164	164	397	U
606-20-2	2,6-Dinitrotoluene	154	154	397	U
117-84-0	Di-n-octyl phthalate	170	170	785	U
206-44-0	Fluoranthene	212	39.9	159	
86-73-7	Fluorene	38.0	38.0	159	U
118-74-1	Hexachlorobenzene	174	174	397	U
87-68-3	Hexachlorobutadiene	126	126	397	U
77-47-4	Hexachlorocyclopentadiene	145	145	397	U
67-72-1	Hexachloroethane	153	153	397	U
193-39-5	Indeno (1,2,3-cd) pyrene	104	32.5	159	J
78-59-1	Isophorone	139	139	397	U
91-57-6	2-Methylnaphthalene	32.7	32.7	159	U
95-48-7	2-Methylphenol	141	141	785	U
108-39-4, 106-44	3 & 4-Methylphenol	177	177	785	U
91-20-3	Naphthalene	32.3	32.3	159	U
88-74-4	2-Nitroaniline	157	157	785	U
99-09-2	3-Nitroaniline	188	188	785	U J
100-01-6	4-Nitroaniline	227	227	397	U J
98-95-3	Nitrobenzene	154	154	397	U
88-75-5	2-Nitrophenol	132	132	397	U
100-02-7	4-Nitrophenol	212	212	3140	U
62-75-9	N-Nitrosodimethylamine	156	156	397	U
621-64-7	N-Nitrosodi-n-propylamine	169	169	397	U
86-30-6	N-Nitrosodiphenylamine	185	185	785	U
87-86-5	Pentachlorophenol	187	187	785	U
85-01-8	Phenanthrene	72.2	38.7	159	J
108-95-2	Phenol	143	143	785	U
129-00-0	Pyrene	188	33.8	159	
110-86-1	Pyridine	170	170	785	U
120-82-1	1,2,4-Trichlorobenzene	125	125	785	U
90-12-0	1-Methylnaphthalene	40.2	40.2	159	U
95-95-4	2,4,5-Trichlorophenol	162	162	785	U
88-06-2	2,4,6-Trichlorophenol	150	150	397	U
82-68-8	Pentachloronitrobenzene	168	168	785	U
95-94-3	1,2,4,5-Tetrachlorobenzene	142	142	785	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	C1806309.D		
Sampled:	02/08/16 13:55	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 17:29		
% Solids:	82.40	Preparation:	SW846 3545A	Initial/Final:	30.5942 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	2				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	C1806310.D
Sampled:	02/08/16 14:10	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 18:00
% Solids:	78.12	Preparation:	SW846 3545A	Initial/Final:	30.401 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	39.3	39.3	169	U
208-96-8	Acenaphthylene	35.8	35.8	169	U
62-53-3	Aniline	172	172	834	U
120-12-7	Anthracene	60.6	38.6	169	J
103-33-3	Azobenzene/Diphenyldiazene	201	201	834	U
92-87-5	Benzidine	204	204	834	U
56-55-3	Benzo (a) anthracene	360	34.9	169	
50-32-8	Benzo (a) pyrene	392	35.1	169	
205-99-2	Benzo (b) fluoranthene	489	38.4	169	
191-24-2	Benzo (g,h,i) perylene	244	36.5	169	
207-08-9	Benzo (k) fluoranthene	228	38.4	169	
65-85-0	Benzoic acid	195	195	834	U
100-51-6	Benzyl alcohol	153	153	834	U
111-91-1	Bis(2-chloroethoxy)methane	152	152	834	U
111-44-4	Bis(2-chloroethyl)ether	152	152	422	U
108-60-1	Bis(2-chloroisopropyl)ether	151	151	422	U
117-81-7	Bis(2-ethylhexyl)phthalate	208	208	422	U
101-55-3	4-Bromophenyl phenyl ether	168	168	834	U
85-68-7	Butyl benzyl phthalate	185	185	834	U
86-74-8	Carbazole	214	214	422	U
59-50-7	4-Chloro-3-methylphenol	173	173	834	U
106-47-8	4-Chloroaniline	172	172	422	U
91-58-7	2-Chloronaphthalene	147	147	834	U
95-57-8	2-Chlorophenol	149	149	422	U
7005-72-3	4-Chlorophenyl phenyl ether	157	157	834	U
218-01-9	Chrysene	403	41.2	169	
53-70-3	Dibenzo (a,h) anthracene	50.5	30.9	169	J
132-64-9	Dibenzofuran	30.9	30.9	422	U
95-50-1	1,2-Dichlorobenzene	140	140	834	U
541-73-1	1,3-Dichlorobenzene	148	148	834	U
106-46-7	1,4-Dichlorobenzene	138	138	834	U
91-94-1	3,3´-Dichlorobenzidine	169	169	834	U
120-83-2	2,4-Dichlorophenol	144	144	422	U
84-66-2	Diethyl phthalate	174	174	834	U
131-11-3	Dimethyl phthalate	164	164	834	U
105-67-9	2,4-Dimethylphenol	143	143	834	U
84-74-2	Di-n-butyl phthalate	187	187	834	U
534-52-1	4,6-Dinitro-2-methylphenol	222	222	834	U
51-28-5	2,4-Dinitrophenol	220	220	834	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	C1806310.D
Sampled:	02/08/16 14:10	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 18:00
% Solids:	78.12	Preparation:	SW846 3545A	Initial/Final:	30.401 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	174	174	422	U
606-20-2	2,6-Dinitrotoluene	164	164	422	U
117-84-0	Di-n-octyl phthalate	180	180	834	U
206-44-0	Fluoranthene	815	42.3	169	
86-73-7	Fluorene	40.4	40.4	169	U
118-74-1	Hexachlorobenzene	184	184	422	U
87-68-3	Hexachlorobutadiene	134	134	422	U
77-47-4	Hexachlorocyclopentadiene	154	154	422	U
67-72-1	Hexachloroethane	162	162	422	U
193-39-5	Indeno (1,2,3-cd) pyrene	274	34.5	169	
78-59-1	Isophorone	147	147	422	U
91-57-6	2-Methylnaphthalene	34.8	34.8	169	U
95-48-7	2-Methylphenol	150	150	834	U
108-39-4, 106-44	3 & 4-Methylphenol	188	188	834	U
91-20-3	Naphthalene	34.3	34.3	169	U
88-74-4	2-Nitroaniline	167	167	834	U
99-09-2	3-Nitroaniline	199	199	834	U
100-01-6	4-Nitroaniline	241	241	422	U
98-95-3	Nitrobenzene	164	164	422	U
88-75-5	2-Nitrophenol	140	140	422	U
100-02-7	4-Nitrophenol	225	225	3330	U
62-75-9	N-Nitrosodimethylamine	165	165	422	U
621-64-7	N-Nitrosodi-n-propylamine	180	180	422	U
86-30-6	N-Nitrosodiphenylamine	196	196	834	U
87-86-5	Pentachlorophenol	198	198	834	U
85-01-8	Phenanthrene	330	41.1	169	
108-95-2	Phenol	152	152	834	U
129-00-0	Pyrene	696	35.9	169	
110-86-1	Pyridine	180	180	834	U
120-82-1	1,2,4-Trichlorobenzene	133	133	834	U
90-12-0	1-Methylnaphthalene	42.6	42.6	169	U
95-95-4	2,4,5-Trichlorophenol	172	172	834	U
88-06-2	2,4,6-Trichlorophenol	160	160	422	U
82-68-8	Pentachloronitrobenzene	179	179	834	U
95-94-3	1,2,4,5-Tetrachlorobenzene	151	151	834	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	C1806310.D		
Sampled:	02/08/16 14:10	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 18:00		
% Solids:	78.12	Preparation:	SW846 3545A	Initial/Final:	30.401 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	2				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	C1806312.D		
Sampled:	02/08/16 14:47	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 20:03		
% Solids:	84.45	Preparation:	SW846 3545A	Initial/Final:	30.5304 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	20				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	362	362	1550	U
208-96-8	Acenaphthylene	9440	329	1550	
62-53-3	Aniline	1580	1580	7680	U
120-12-7	Anthracene	5270	355	1550	
103-33-3	Azobenzene/Diphenyldiazene	1850	1850	7680	U
92-87-5	Benzidine	1880	1880	7680	U
56-55-3	Benzo (a) anthracene	24100	321	1550	
50-32-8	Benzo (a) pyrene	34500	323	1550	
205-99-2	Benzo (b) fluoranthene	47900	354	1550	
191-24-2	Benzo (g,h,i) perylene	20800	336	1550	
207-08-9	Benzo (k) fluoranthene	13600	354	1550	
65-85-0	Benzoic acid	1790	1790	7680	U
100-51-6	Benzyl alcohol	1410	1410	7680	U
111-91-1	Bis(2-chloroethoxy)methane	1400	1400	7680	U
111-44-4	Bis(2-chloroethyl)ether	1400	1400	3890	U
108-60-1	Bis(2-chloroisopropyl)ether	1390	1390	3890	U
117-81-7	Bis(2-ethylhexyl)phthalate	1920	1920	3890	U
101-55-3	4-Bromophenyl phenyl ether	1550	1550	7680	U
85-68-7	Butyl benzyl phthalate	1700	1700	7680	U
86-74-8	Carbazole	1970	1970	3890	U
59-50-7	4-Chloro-3-methylphenol	1590	1590	7680	U
106-47-8	4-Chloroaniline	1580	1580	3890	U
91-58-7	2-Chloronaphthalene	1350	1350	7680	U
95-57-8	2-Chlorophenol	1370	1370	3890	U
7005-72-3	4-Chlorophenyl phenyl ether	1440	1440	7680	U
218-01-9	Chrysene	21500	379	1550	
53-70-3	Dibenzo (a,h) anthracene	4980	285	1550	
132-64-9	Dibenzofuran	714	285	3890	J
95-50-1	1,2-Dichlorobenzene	1290	1290	7680	U
541-73-1	1,3-Dichlorobenzene	1360	1360	7680	U
106-46-7	1,4-Dichlorobenzene	1270	1270	7680	U
91-94-1	3,3´-Dichlorobenzidine	1560	1560	7680	U
120-83-2	2,4-Dichlorophenol	1320	1320	3890	U
84-66-2	Diethyl phthalate	1600	1600	7680	U
131-11-3	Dimethyl phthalate	1510	1510	7680	U
105-67-9	2,4-Dimethylphenol	1320	1320	7680	U
84-74-2	Di-n-butyl phthalate	1720	1720	7680	U
534-52-1	4,6-Dinitro-2-methylphenol	2040	2040	7680	U
51-28-5	2,4-Dinitrophenol	2020	2020	7680	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	C1806312.D		
Sampled:	02/08/16 14:47	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 20:03		
% Solids:	84.45	Preparation:	SW846 3545A	Initial/Final:	30.5304 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	20				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	1600	1600	3890	U
606-20-2	2,6-Dinitrotoluene	1510	1510	3890	U
117-84-0	Di-n-octyl phthalate	1660	1660	7680	U
206-44-0	Fluoranthene	26900	390	1550	
86-73-7	Fluorene	791	372	1550	J
118-74-1	Hexachlorobenzene	1700	1700	3890	U
87-68-3	Hexachlorobutadiene	1240	1240	3890	U
77-47-4	Hexachlorocyclopentadiene	1420	1420	3890	U
67-72-1	Hexachloroethane	1490	1490	3890	U
193-39-5	Indeno (1,2,3-cd) pyrene	26100	317	1550	
78-59-1	Isophorone	1360	1360	3890	U
91-57-6	2-Methylnaphthalene	698	320	1550	J
95-48-7	2-Methylphenol	1380	1380	7680	U
108-39-4, 106-44	3 & 4-Methylphenol	1730	1730	7680	U
91-20-3	Naphthalene	1680	316	1550	
88-74-4	2-Nitroaniline	1540	1540	7680	U
99-09-2	3-Nitroaniline	1840	1840	7680	U
100-01-6	4-Nitroaniline	2220	2220	3890	U
98-95-3	Nitrobenzene	1510	1510	3890	U
88-75-5	2-Nitrophenol	1290	1290	3890	U
100-02-7	4-Nitrophenol	2070	2070	30700	U
62-75-9	N-Nitrosodimethylamine	1520	1520	3890	U
621-64-7	N-Nitrosodi-n-propylamine	1650	1650	3890	U
86-30-6	N-Nitrosodiphenylamine	1810	1810	7680	U
87-86-5	Pentachlorophenol	1830	1830	7680	U
85-01-8	Phenanthrene	6830	379	1550	
108-95-2	Phenol	1400	1400	7680	U
129-00-0	Pyrene	30500	331	1550	
110-86-1	Pyridine	1660	1660	7680	U
120-82-1	1,2,4-Trichlorobenzene	1220	1220	7680	U
90-12-0	1-Methylnaphthalene	628	393	1550	J
95-95-4	2,4,5-Trichlorophenol	1590	1590	7680	U
88-06-2	2,4,6-Trichlorophenol	1470	1470	3890	U
82-68-8	Pentachloronitrobenzene	1650	1650	7680	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1390	1390	7680	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	C1806312.D		
Sampled:	02/08/16 14:47	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 20:03		
% Solids:	84.45	Preparation:	SW846 3545A	Initial/Final:	30.5304 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	20				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000205-99-2	Benz[e]acephenanthrylene	14.84	24000	JN

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

013-SS-9 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-13	File ID:	C1806313.D
Sampled:	02/08/16 15:12	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 20:35
% Solids:	82.23	Preparation:	SW846 3545A	Initial/Final:	30.0464 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	37.8	37.8	162	U
208-96-8	Acenaphthylene	158	34.4	162	J
62-53-3	Aniline	165	165	801	U
120-12-7	Anthracene	189	37.1	162	
103-33-3	Azobenzene/Diphenyldiazene	193	193	801	U
92-87-5	Benzidine	196	196	801	U
56-55-3	Benzo (a) anthracene	1210	33.5	162	
50-32-8	Benzo (a) pyrene	1210	33.8	162	
205-99-2	Benzo (b) fluoranthene	1730	36.9	162	
191-24-2	Benzo (g,h,i) perylene	703	35.1	162	
207-08-9	Benzo (k) fluoranthene	639	36.9	162	
65-85-0	Benzoic acid	187	187	801	U
100-51-6	Benzyl alcohol	147	147	801	U
111-91-1	Bis(2-chloroethoxy)methane	146	146	801	U
111-44-4	Bis(2-chloroethyl)ether	146	146	406	U
108-60-1	Bis(2-chloroisopropyl)ether	146	146	406	U
117-81-7	Bis(2-ethylhexyl)phthalate	200	200	406	U
101-55-3	4-Bromophenyl phenyl ether	162	162	801	U
85-68-7	Butyl benzyl phthalate	178	178	801	U
86-74-8	Carbazole	338	206	406	J
59-50-7	4-Chloro-3-methylphenol	166	166	801	U
106-47-8	4-Chloroaniline	165	165	406	U
91-58-7	2-Chloronaphthalene	141	141	801	U
95-57-8	2-Chlorophenol	143	143	406	U
7005-72-3	4-Chlorophenyl phenyl ether	151	151	801	U
218-01-9	Chrysene	1440	39.6	162	
53-70-3	Dibenzo (a,h) anthracene	126	29.7	162	J
132-64-9	Dibenzofuran	37.2	29.7	406	J
95-50-1	1,2-Dichlorobenzene	135	135	801	U
541-73-1	1,3-Dichlorobenzene	142	142	801	U
106-46-7	1,4-Dichlorobenzene	133	133	801	U
91-94-1	3,3´-Dichlorobenzidine	163	163	801	U
120-83-2	2,4-Dichlorophenol	138	138	406	U
84-66-2	Diethyl phthalate	167	167	801	U
131-11-3	Dimethyl phthalate	158	158	801	U
105-67-9	2,4-Dimethylphenol	137	137	801	U
84-74-2	Di-n-butyl phthalate	180	180	801	U
534-52-1	4,6-Dinitro-2-methylphenol	213	213	801	U
51-28-5	2,4-Dinitrophenol	211	211	801	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

013-SS-9 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-13	File ID:	C1806313.D
Sampled:	02/08/16 15:12	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 20:35
% Solids:	82.23	Preparation:	SW846 3545A	Initial/Final:	30.0464 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	167	167	406	U
606-20-2	2,6-Dinitrotoluene	157	157	406	U
117-84-0	Di-n-octyl phthalate	173	173	801	U
206-44-0	Fluoranthene	2920	40.7	162	
86-73-7	Fluorene	49.4	38.8	162	J
118-74-1	Hexachlorobenzene	177	177	406	U
87-68-3	Hexachlorobutadiene	129	129	406	U
77-47-4	Hexachlorocyclopentadiene	148	148	406	U
67-72-1	Hexachloroethane	156	156	406	U
193-39-5	Indeno (1,2,3-cd) pyrene	837	33.1	162	
78-59-1	Isophorone	142	142	406	U
91-57-6	2-Methylnaphthalene	33.4	33.4	162	U
95-48-7	2-Methylphenol	144	144	801	U
108-39-4, 106-44	3 & 4-Methylphenol	180	180	801	U
91-20-3	Naphthalene	47.0	33.0	162	J
88-74-4	2-Nitroaniline	161	161	801	U
99-09-2	3-Nitroaniline	192	192	801	U J
100-01-6	4-Nitroaniline	232	232	406	U J
98-95-3	Nitrobenzene	157	157	406	U
88-75-5	2-Nitrophenol	134	134	406	U
100-02-7	4-Nitrophenol	216	216	3210	U
62-75-9	N-Nitrosodimethylamine	159	159	406	U
621-64-7	N-Nitrosodi-n-propylamine	173	173	406	U
86-30-6	N-Nitrosodiphenylamine	188	188	801	U
87-86-5	Pentachlorophenol	191	191	801	U
85-01-8	Phenanthrene	1290	39.5	162	
108-95-2	Phenol	146	146	801	U
129-00-0	Pyrene	2450	34.5	162	
110-86-1	Pyridine	173	173	801	U
120-82-1	1,2,4-Trichlorobenzene	128	128	801	U
90-12-0	1-Methylnaphthalene	41.0	41.0	162	U
95-95-4	2,4,5-Trichlorophenol	166	166	801	U
88-06-2	2,4,6-Trichlorophenol	154	154	406	U
82-68-8	Pentachloronitrobenzene	172	172	801	U
95-94-3	1,2,4,5-Tetrachlorobenzene	145	145	801	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

013-SS-9 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-13	File ID:	C1806313.D		
Sampled:	02/08/16 15:12	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 20:35		
% Solids:	82.23	Preparation:	SW846 3545A	Initial/Final:	30.0464 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	2				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
014811-95-1	1,19-Eicosadiene	14.652	870	JN

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

015-SS-8 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-15	File ID:	C1806315.D
Sampled:	02/08/16 15:40	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 18:31
% Solids:	82.97	Preparation:	SW846 3545A	Initial/Final:	30.2315 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	5		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	93.0	93.0	399	U
208-96-8	Acenaphthylene	84.6	84.6	399	U
62-53-3	Aniline	407	407	1970	U
120-12-7	Anthracene	155	91.3	399	J
103-33-3	Azobenzene/Diphenyldiazene	476	476	1970	U
92-87-5	Benzidine	483	483	1970	U
56-55-3	Benzo (a) anthracene	767	82.6	399	
50-32-8	Benzo (a) pyrene	781	83.1	399	
205-99-2	Benzo (b) fluoranthene	1010	90.9	399	
191-24-2	Benzo (g,h,i) perylene	490	86.4	399	
207-08-9	Benzo (k) fluoranthene	423	90.9	399	
65-85-0	Benzoic acid	461	461	1970	U
100-51-6	Benzyl alcohol	363	363	1970	U
111-91-1	Bis(2-chloroethoxy)methane	360	360	1970	U
111-44-4	Bis(2-chloroethyl)ether	359	359	999	U
108-60-1	Bis(2-chloroisopropyl)ether	358	358	999	U
117-81-7	Bis(2-ethylhexyl)phthalate	493	493	999	U
101-55-3	4-Bromophenyl phenyl ether	399	399	1970	U
85-68-7	Butyl benzyl phthalate	437	437	1970	U
86-74-8	Carbazole	507	507	999	U
59-50-7	4-Chloro-3-methylphenol	409	409	1970	U
106-47-8	4-Chloroaniline	407	407	999	U
91-58-7	2-Chloronaphthalene	347	347	1970	U
95-57-8	2-Chlorophenol	353	353	999	U
7005-72-3	4-Chlorophenyl phenyl ether	371	371	1970	U
218-01-9	Chrysene	811	97.5	399	
53-70-3	Dibenzo (a,h) anthracene	110	73.3	399	J
132-64-9	Dibenzofuran	73.3	73.3	999	U
95-50-1	1,2-Dichlorobenzene	332	332	1970	U
541-73-1	1,3-Dichlorobenzene	350	350	1970	U
106-46-7	1,4-Dichlorobenzene	327	327	1970	U
91-94-1	3,3´-Dichlorobenzidine	401	401	1970	U
120-83-2	2,4-Dichlorophenol	340	340	999	U
84-66-2	Diethyl phthalate	412	412	1970	U
131-11-3	Dimethyl phthalate	389	389	1970	U
105-67-9	2,4-Dimethylphenol	338	338	1970	U
84-74-2	Di-n-butyl phthalate	443	443	1970	U
534-52-1	4,6-Dinitro-2-methylphenol	525	525	1970	U
51-28-5	2,4-Dinitrophenol	520	520	1970	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

015-SS-8 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-15	File ID:	C1806315.D
Sampled:	02/08/16 15:40	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 18:31
% Solids:	82.97	Preparation:	SW846 3545A	Initial/Final:	30.2315 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	5		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	411	411	999	U
606-20-2	2,6-Dinitrotoluene	387	387	999	U
117-84-0	Di-n-octyl phthalate	426	426	1970	U
206-44-0	Fluoranthene	1800	100	399	
86-73-7	Fluorene	95.6	95.6	399	U
118-74-1	Hexachlorobenzene	436	436	999	U
87-68-3	Hexachlorobutadiene	318	318	999	U
77-47-4	Hexachlorocyclopentadiene	364	364	999	U
67-72-1	Hexachloroethane	383	383	999	U
193-39-5	Indeno (1,2,3-cd) pyrene	590	81.6	399	
78-59-1	Isophorone	349	349	999	U
91-57-6	2-Methylnaphthalene	82.3	82.3	399	U
95-48-7	2-Methylphenol	354	354	1970	U
108-39-4, 106-44	3 & 4-Methylphenol	444	444	1970	U
91-20-3	Naphthalene	81.3	81.3	399	U
88-74-4	2-Nitroaniline	396	396	1970	U
99-09-2	3-Nitroaniline	472	472	1970	U
100-01-6	4-Nitroaniline	571	571	999	U
98-95-3	Nitrobenzene	387	387	999	U
88-75-5	2-Nitrophenol	331	331	999	U
100-02-7	4-Nitrophenol	533	533	7890	U
62-75-9	N-Nitrosodimethylamine	392	392	999	U
621-64-7	N-Nitrosodi-n-propylamine	425	425	999	U
86-30-6	N-Nitrosodiphenylamine	464	464	1970	U
87-86-5	Pentachlorophenol	470	470	1970	U
85-01-8	Phenanthrene	961	97.4	399	
108-95-2	Phenol	359	359	1970	U
129-00-0	Pyrene	1530	85.0	399	
110-86-1	Pyridine	427	427	1970	U
120-82-1	1,2,4-Trichlorobenzene	314	314	1970	U
90-12-0	1-Methylnaphthalene	101	101	399	U
95-95-4	2,4,5-Trichlorophenol	408	408	1970	U
88-06-2	2,4,6-Trichlorophenol	378	378	999	U
82-68-8	Pentachloronitrobenzene	423	423	1970	U
95-94-3	1,2,4,5-Tetrachlorobenzene	358	358	1970	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

015-SS-8 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-15	File ID:	C1806315.D		
Sampled:	02/08/16 15:40	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 18:31		
% Solids:	82.97	Preparation:	SW846 3545A	Initial/Final:	30.2315 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

016-SS-8 (1.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-16	File ID:	C1806316.D
Sampled:	02/08/16 15:56	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 19:02
% Solids:	80.93	Preparation:	SW846 3545A	Initial/Final:	30.2428 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	38.1	38.1	164	U
208-96-8	Acenaphthylene	38.4	34.7	164	J
62-53-3	Aniline	167	167	809	U
120-12-7	Anthracene	90.7	37.4	164	J
103-33-3	Azobenzene/Diphenyldiazene	195	195	809	U
92-87-5	Benzidine	198	198	809	U
56-55-3	Benzo (a) anthracene	429	33.9	164	
50-32-8	Benzo (a) pyrene	456	34.1	164	
205-99-2	Benzo (b) fluoranthene	615	37.3	164	
191-24-2	Benzo (g,h,i) perylene	277	35.4	164	
207-08-9	Benzo (k) fluoranthene	240	37.3	164	
65-85-0	Benzoic acid	189	189	809	U
100-51-6	Benzyl alcohol	149	149	809	U
111-91-1	Bis(2-chloroethoxy)methane	148	148	809	U
111-44-4	Bis(2-chloroethyl)ether	147	147	409	U
108-60-1	Bis(2-chloroisopropyl)ether	147	147	409	U
117-81-7	Bis(2-ethylhexyl)phthalate	202	202	409	U
101-55-3	4-Bromophenyl phenyl ether	163	163	809	U
85-68-7	Butyl benzyl phthalate	179	179	809	U
86-74-8	Carbazole	208	208	409	U
59-50-7	4-Chloro-3-methylphenol	168	168	809	U
106-47-8	4-Chloroaniline	167	167	409	U
91-58-7	2-Chloronaphthalene	142	142	809	U
95-57-8	2-Chlorophenol	145	145	409	U
7005-72-3	4-Chlorophenyl phenyl ether	152	152	809	U
218-01-9	Chrysene	489	40.0	164	
53-70-3	Dibenzo (a,h) anthracene	57.2	30.0	164	J
132-64-9	Dibenzofuran	30.0	30.0	409	U
95-50-1	1,2-Dichlorobenzene	136	136	809	U
541-73-1	1,3-Dichlorobenzene	144	144	809	U
106-46-7	1,4-Dichlorobenzene	134	134	809	U
91-94-1	3,3´-Dichlorobenzidine	164	164	809	U
120-83-2	2,4-Dichlorophenol	139	139	409	U
84-66-2	Diethyl phthalate	169	169	809	U
131-11-3	Dimethyl phthalate	159	159	809	U
105-67-9	2,4-Dimethylphenol	139	139	809	U
84-74-2	Di-n-butyl phthalate	182	182	809	U
534-52-1	4,6-Dinitro-2-methylphenol	215	215	809	U
51-28-5	2,4-Dinitrophenol	213	213	809	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

016-SS-8 (1.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-16	File ID:	C1806316.D
Sampled:	02/08/16 15:56	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 19:02
% Solids:	80.93	Preparation:	SW846 3545A	Initial/Final:	30.2428 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	169	169	409	U
606-20-2	2,6-Dinitrotoluene	159	159	409	U
117-84-0	Di-n-octyl phthalate	175	175	809	U
206-44-0	Fluoranthene	1020	41.1	164	
86-73-7	Fluorene	39.2	39.2	164	U
118-74-1	Hexachlorobenzene	179	179	409	U
87-68-3	Hexachlorobutadiene	130	130	409	U
77-47-4	Hexachlorocyclopentadiene	149	149	409	U
67-72-1	Hexachloroethane	157	157	409	U
193-39-5	Indeno (1,2,3-cd) pyrene	333	33.4	164	
78-59-1	Isophorone	143	143	409	U
91-57-6	2-Methylnaphthalene	33.7	33.7	164	U
95-48-7	2-Methylphenol	145	145	809	U
108-39-4, 106-44	3 & 4-Methylphenol	182	182	809	U
91-20-3	Naphthalene	33.3	33.3	164	U
88-74-4	2-Nitroaniline	162	162	809	U
99-09-2	3-Nitroaniline	194	194	809	U
100-01-6	4-Nitroaniline	234	234	409	U
98-95-3	Nitrobenzene	159	159	409	U
88-75-5	2-Nitrophenol	136	136	409	U
100-02-7	4-Nitrophenol	219	219	3240	U
62-75-9	N-Nitrosodimethylamine	161	161	409	U
621-64-7	N-Nitrosodi-n-propylamine	174	174	409	U
86-30-6	N-Nitrosodiphenylamine	190	190	809	U
87-86-5	Pentachlorophenol	193	193	809	U
85-01-8	Phenanthrene	489	39.9	164	
108-95-2	Phenol	147	147	809	U
129-00-0	Pyrene	845	34.8	164	
110-86-1	Pyridine	175	175	809	U
120-82-1	1,2,4-Trichlorobenzene	129	129	809	U
90-12-0	1-Methylnaphthalene	41.4	41.4	164	U
95-95-4	2,4,5-Trichlorophenol	167	167	809	U
88-06-2	2,4,6-Trichlorophenol	155	155	409	U
82-68-8	Pentachloronitrobenzene	173	173	809	U
95-94-3	1,2,4,5-Tetrachlorobenzene	147	147	809	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

016-SS-8 (1.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-16	File ID:	C1806316.D		
Sampled:	02/08/16 15:56	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 19:02		
% Solids:	80.93	Preparation:	SW846 3545A	Initial/Final:	30.2428 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	2				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	C1806317.D		
Sampled:	02/09/16 08:57	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 12:48		
% Solids:	83.19	Preparation:	SW846 3545A	Initial/Final:	30.1338 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	18.6	18.6	79.8	U
208-96-8	Acenaphthylene	16.9	16.9	79.8	U
62-53-3	Aniline	81.5	81.5	395	U
120-12-7	Anthracene	39.9	18.3	79.8	J
103-33-3	Azobenzene/Diphenyldiazene	95.2	95.2	395	U
92-87-5	Benzidine	96.7	96.7	395	U
56-55-3	Benzo (a) anthracene	195	16.5	79.8	
50-32-8	Benzo (a) pyrene	195	16.6	79.8	
205-99-2	Benzo (b) fluoranthene	264	18.2	79.8	
191-24-2	Benzo (g,h,i) perylene	115	17.3	79.8	
207-08-9	Benzo (k) fluoranthene	104	18.2	79.8	
65-85-0	Benzoic acid	92.2	92.2	395	U
100-51-6	Benzyl alcohol	72.6	72.6	395	U
111-91-1	Bis(2-chloroethoxy)methane	72.1	72.1	395	U
111-44-4	Bis(2-chloroethyl)ether	71.8	71.8	200	U
108-60-1	Bis(2-chloroisopropyl)ether	71.7	71.7	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	98.6	98.6	200	U
101-55-3	4-Bromophenyl phenyl ether	79.8	79.8	395	U
85-68-7	Butyl benzyl phthalate	87.5	87.5	395	U
86-74-8	Carbazole	102	102	200	U
59-50-7	4-Chloro-3-methylphenol	81.9	81.9	395	U
106-47-8	4-Chloroaniline	81.5	81.5	200	U
91-58-7	2-Chloronaphthalene	69.5	69.5	395	U
95-57-8	2-Chlorophenol	70.6	70.6	200	U
7005-72-3	4-Chlorophenyl phenyl ether	74.2	74.2	395	U
218-01-9	Chrysene	186	19.5	79.8	
53-70-3	Dibenzo (a,h) anthracene	26.3	14.7	79.8	J
132-64-9	Dibenzofuran	16.4	14.7	200	J
95-50-1	1,2-Dichlorobenzene	66.4	66.4	395	U
541-73-1	1,3-Dichlorobenzene	70.1	70.1	395	U
106-46-7	1,4-Dichlorobenzene	65.4	65.4	395	U
91-94-1	3,3´-Dichlorobenzidine	80.2	80.2	395	U
120-83-2	2,4-Dichlorophenol	68.0	68.0	200	U
84-66-2	Diethyl phthalate	82.4	82.4	395	U
131-11-3	Dimethyl phthalate	77.8	77.8	395	U
105-67-9	2,4-Dimethylphenol	67.7	67.7	395	U
84-74-2	Di-n-butyl phthalate	88.7	88.7	395	U
534-52-1	4,6-Dinitro-2-methylphenol	105	105	395	U
51-28-5	2,4-Dinitrophenol	104	104	395	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	C1806317.D		
Sampled:	02/09/16 08:57	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 12:48		
% Solids:	83.19	Preparation:	SW846 3545A	Initial/Final:	30.1338 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	82.3	82.3	200	U
606-20-2	2,6-Dinitrotoluene	77.5	77.5	200	U
117-84-0	Di-n-octyl phthalate	85.3	85.3	395	U
206-44-0	Fluoranthene	379	20.0	79.8	
86-73-7	Fluorene	19.1	19.1	79.8	U
118-74-1	Hexachlorobenzene	87.3	87.3	200	U
87-68-3	Hexachlorobutadiene	63.6	63.6	200	U
77-47-4	Hexachlorocyclopentadiene	72.8	72.8	200	U
67-72-1	Hexachloroethane	76.7	76.7	200	U
193-39-5	Indeno (1,2,3-cd) pyrene	118	16.3	79.8	
78-59-1	Isophorone	69.8	69.8	200	U
91-57-6	2-Methylnaphthalene	31.5	16.5	79.8	J
95-48-7	2-Methylphenol	70.9	70.9	395	U
108-39-4, 106-44	3 & 4-Methylphenol	88.9	88.9	395	U
91-20-3	Naphthalene	27.9	16.3	79.8	J
88-74-4	2-Nitroaniline	79.2	79.2	395	U
99-09-2	3-Nitroaniline	94.5	94.5	395	U
100-01-6	4-Nitroaniline	114	114	200	U
98-95-3	Nitrobenzene	77.5	77.5	200	U
88-75-5	2-Nitrophenol	66.2	66.2	200	U
100-02-7	4-Nitrophenol	107	107	1580	U
62-75-9	N-Nitrosodimethylamine	78.4	78.4	200	U
621-64-7	N-Nitrosodi-n-propylamine	85.0	85.0	200	U
86-30-6	N-Nitrosodiphenylamine	92.9	92.9	395	U
87-86-5	Pentachlorophenol	94.0	94.0	395	U
85-01-8	Phenanthrene	190	19.5	79.8	
108-95-2	Phenol	71.9	71.9	395	U
129-00-0	Pyrene	347	17.0	79.8	
110-86-1	Pyridine	85.5	85.5	395	U
120-82-1	1,2,4-Trichlorobenzene	62.8	62.8	395	U
90-12-0	1-Methylnaphthalene	31.1	20.2	79.8	J
95-95-4	2,4,5-Trichlorophenol	81.7	81.7	395	U
88-06-2	2,4,6-Trichlorophenol	75.7	75.7	200	U
82-68-8	Pentachloronitrobenzene	84.6	84.6	395	U
95-94-3	1,2,4,5-Tetrachlorobenzene	71.7	71.7	395	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	C1806317.D		
Sampled:	02/09/16 08:57	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 12:48		
% Solids:	83.19	Preparation:	SW846 3545A	Initial/Final:	30.1338 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	C1806318.D		
Sampled:	02/09/16 08:55	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 21:06		
% Solids:	96.87	Preparation:	SW846 3545A	Initial/Final:	30.4426 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	20				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	316	316	1360	U
208-96-8	Acenaphthylene	288	288	1360	U
62-53-3	Aniline	1390	1390	6710	U
120-12-7	Anthracene	310	310	1360	U
103-33-3	Azobenzene/Diphenyldiazene	1620	1620	6710	U
92-87-5	Benzidine	1640	1640	6710	U
56-55-3	Benzo (a) anthracene	312	281	1360	J
50-32-8	Benzo (a) pyrene	283	283	1360	U
205-99-2	Benzo (b) fluoranthene	434	309	1360	J
191-24-2	Benzo (g,h,i) perylene	294	294	1360	U
207-08-9	Benzo (k) fluoranthene	309	309	1360	U
65-85-0	Benzoic acid	1570	1570	6710	U
100-51-6	Benzyl alcohol	1230	1230	6710	U
111-91-1	Bis(2-chloroethoxy)methane	1230	1230	6710	U
111-44-4	Bis(2-chloroethyl)ether	1220	1220	3400	U
108-60-1	Bis(2-chloroisopropyl)ether	1220	1220	3400	U
117-81-7	Bis(2-ethylhexyl)phthalate	1680	1680	3400	U
101-55-3	4-Bromophenyl phenyl ether	1360	1360	6710	U
85-68-7	Butyl benzyl phthalate	1490	1490	6710	U
86-74-8	Carbazole	1730	1730	3400	U
59-50-7	4-Chloro-3-methylphenol	1390	1390	6710	U
106-47-8	4-Chloroaniline	1390	1390	3400	U
91-58-7	2-Chloronaphthalene	1180	1180	6710	U
95-57-8	2-Chlorophenol	1200	1200	3400	U
7005-72-3	4-Chlorophenyl phenyl ether	1260	1260	6710	U
218-01-9	Chrysene	346	332	1360	J
53-70-3	Dibenzo (a,h) anthracene	249	249	1360	U
132-64-9	Dibenzofuran	249	249	3400	U
95-50-1	1,2-Dichlorobenzene	1130	1130	6710	U
541-73-1	1,3-Dichlorobenzene	1190	1190	6710	U
106-46-7	1,4-Dichlorobenzene	1110	1110	6710	U
91-94-1	3,3´-Dichlorobenzidine	1360	1360	6710	U
120-83-2	2,4-Dichlorophenol	1160	1160	3400	U
84-66-2	Diethyl phthalate	1400	1400	6710	U
131-11-3	Dimethyl phthalate	1320	1320	6710	U
105-67-9	2,4-Dimethylphenol	1150	1150	6710	U
84-74-2	Di-n-butyl phthalate	1510	1510	6710	U
534-52-1	4,6-Dinitro-2-methylphenol	1790	1790	6710	U
51-28-5	2,4-Dinitrophenol	2240	1770	6710	J

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	C1806318.D		
Sampled:	02/09/16 08:55	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 21:06		
% Solids:	96.87	Preparation:	SW846 3545A	Initial/Final:	30.4426 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	20				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	1400	1400	3400	U
606-20-2	2,6-Dinitrotoluene	1320	1320	3400	U
117-84-0	Di-n-octyl phthalate	1450	1450	6710	U
206-44-0	Fluoranthene	692	341	1360	J
86-73-7	Fluorene	325	325	1360	U
118-74-1	Hexachlorobenzene	1480	1480	3400	U
87-68-3	Hexachlorobutadiene	1080	1080	3400	U
77-47-4	Hexachlorocyclopentadiene	1240	1240	3400	U
67-72-1	Hexachloroethane	1300	1300	3400	U
193-39-5	Indeno (1,2,3-cd) pyrene	278	278	1360	U
78-59-1	Isophorone	1190	1190	3400	U
91-57-6	2-Methylnaphthalene	280	280	1360	U
95-48-7	2-Methylphenol	1200	1200	6710	U
108-39-4, 106-44	3 & 4-Methylphenol	1510	1510	6710	U
91-20-3	Naphthalene	276	276	1360	U
88-74-4	2-Nitroaniline	1350	1350	6710	U
99-09-2	3-Nitroaniline	1610	1610	6710	U
100-01-6	4-Nitroaniline	1940	1940	3400	U
98-95-3	Nitrobenzene	1320	1320	3400	U
88-75-5	2-Nitrophenol	1120	1120	3400	U
100-02-7	4-Nitrophenol	1810	1810	26900	U
62-75-9	N-Nitrosodimethylamine	1330	1330	3400	U
621-64-7	N-Nitrosodi-n-propylamine	1450	1450	3400	U
86-30-6	N-Nitrosodiphenylamine	1580	1580	6710	U
87-86-5	Pentachlorophenol	1600	1600	6710	U
85-01-8	Phenanthrene	339	331	1360	J
108-95-2	Phenol	1220	1220	6710	U
129-00-0	Pyrene	644	289	1360	J
110-86-1	Pyridine	1450	1450	6710	U
120-82-1	1,2,4-Trichlorobenzene	1070	1070	6710	U
90-12-0	1-Methylnaphthalene	343	343	1360	U
95-95-4	2,4,5-Trichlorophenol	1390	1390	6710	U
88-06-2	2,4,6-Trichlorophenol	1290	1290	3400	U
82-68-8	Pentachloronitrobenzene	1440	1440	6710	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1220	1220	6710	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	C1806318.D		
Sampled:	02/09/16 08:55	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 21:06		
% Solids:	96.87	Preparation:	SW846 3545A	Initial/Final:	30.4426 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	20				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-18RE1	File ID:	R1806318.D		
Sampled:	02/09/16 08:55	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 18:34		
% Solids:	96.87	Preparation:	SW846 3545A	Initial/Final:	30.4426 g / 1 ml		
Batch:	1602577	Sequence:	S601426	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	79.1	79.1	339	UD
208-96-8	Acenaphthylene	72.0	72.0	339	UD
62-53-3	Aniline	346	346	1680	UD
120-12-7	Anthracene	77.6	77.6	339	UD
103-33-3	Azobenzene/Diphenyldiazene	405	405	1680	UD
92-87-5	Benzidine	411	411	1680	UD
56-55-3	Benzo (a) anthracene	281	70.2	339	JD
50-32-8	Benzo (a) pyrene	283	70.7	339	JD
205-99-2	Benzo (b) fluoranthene	397	77.3	339	D
191-24-2	Benzo (g,h,i) perylene	242	73.5	339	JD
207-08-9	Benzo (k) fluoranthene	224	77.3	339	JD
65-85-0	Benzoic acid	392	392	1680	UD
100-51-6	Benzyl alcohol	308	308	1680	UD
111-91-1	Bis(2-chloroethoxy)methane	306	306	1680	UD
111-44-4	Bis(2-chloroethyl)ether	305	305	849	UD
108-60-1	Bis(2-chloroisopropyl)ether	305	305	849	UD
117-81-7	Bis(2-ethylhexyl)phthalate	419	419	849	UD
101-55-3	4-Bromophenyl phenyl ether	339	339	1680	UD
85-68-7	Butyl benzyl phthalate	372	372	1680	UD
86-74-8	Carbazole	432	432	849	UD
59-50-7	4-Chloro-3-methylphenol	348	348	1680	UD
106-47-8	4-Chloroaniline	346	346	849	UD
91-58-7	2-Chloronaphthalene	295	295	1680	UD
95-57-8	2-Chlorophenol	300	300	849	UD
7005-72-3	4-Chlorophenyl phenyl ether	315	315	1680	UD
218-01-9	Chrysene	349	82.9	339	D
53-70-3	Dibenzo (a,h) anthracene	62.3	62.3	339	UD
132-64-9	Dibenzofuran	62.3	62.3	849	UD
95-50-1	1,2-Dichlorobenzene	282	282	1680	UD
541-73-1	1,3-Dichlorobenzene	298	298	1680	UD
106-46-7	1,4-Dichlorobenzene	278	278	1680	UD
91-94-1	3,3´-Dichlorobenzidine	341	341	1680	UD
120-83-2	2,4-Dichlorophenol	289	289	849	UD
84-66-2	Diethyl phthalate	350	350	1680	UD
131-11-3	Dimethyl phthalate	331	331	1680	UD
105-67-9	2,4-Dimethylphenol	288	288	1680	UD
84-74-2	Di-n-butyl phthalate	377	377	1680	UD
534-52-1	4,6-Dinitro-2-methylphenol	446	446	1680	UD
51-28-5	2,4-Dinitrophenol	442	442	1680	UD

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-18RE1	File ID:	R1806318.D
Sampled:	02/09/16 08:55	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 18:34
% Solids:	96.87	Preparation:	SW846 3545A	Initial/Final:	30.4426 g / 1 ml
Batch:	1602577	Sequence:	S601426	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	5		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	350	350	849	UD
606-20-2	2,6-Dinitrotoluene	330	330	849	UD
117-84-0	Di-n-octyl phthalate	363	363	1680	UD
206-44-0	Fluoranthene	746	85.2	339	D
86-73-7	Fluorene	81.3	81.3	339	UD
118-74-1	Hexachlorobenzene	371	371	849	UD
87-68-3	Hexachlorobutadiene	270	270	849	UD
77-47-4	Hexachlorocyclopentadiene	310	310	849	UD
67-72-1	Hexachloroethane	326	326	849	UD
193-39-5	Indeno (1,2,3-cd) pyrene	258	69.4	339	JD
78-59-1	Isophorone	296	296	849	UD
91-57-6	2-Methylnaphthalene	70.0	70.0	339	UD
95-48-7	2-Methylphenol	301	301	1680	UD
108-39-4, 106-44	3 & 4-Methylphenol	378	378	1680	UD
91-20-3	Naphthalene	69.1	69.1	339	UD
88-74-4	2-Nitroaniline	336	336	1680	UD
99-09-2	3-Nitroaniline	402	402	1680	UD
100-01-6	4-Nitroaniline	485	485	849	UD
98-95-3	Nitrobenzene	329	329	849	UD
88-75-5	2-Nitrophenol	281	281	849	UD
100-02-7	4-Nitrophenol	453	453	6710	UD
62-75-9	N-Nitrosodimethylamine	333	333	849	UD
621-64-7	N-Nitrosodi-n-propylamine	361	361	849	UD
86-30-6	N-Nitrosodiphenylamine	395	395	1680	UD
87-86-5	Pentachlorophenol	399	399	1680	UD
85-01-8	Phenanthrene	349	82.8	339	D
108-95-2	Phenol	306	306	1680	UD
129-00-0	Pyrene	685	72.3	339	D
110-86-1	Pyridine	363	363	1680	UD
120-82-1	1,2,4-Trichlorobenzene	267	267	1680	UD
90-12-0	1-Methylnaphthalene	85.9	85.9	339	UD
95-95-4	2,4,5-Trichlorophenol	347	347	1680	UD
88-06-2	2,4,6-Trichlorophenol	322	322	849	UD
82-68-8	Pentachloronitrobenzene	360	360	1680	UD
95-94-3	1,2,4,5-Tetrachlorobenzene	305	305	1680	UD

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-18RE1	File ID:	R1806318.D		
Sampled:	02/09/16 08:55	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 18:34		
% Solids:	96.87	Preparation:	SW846 3545A	Initial/Final:	30.4426 g / 1 ml		
Batch:	1602577	Sequence:	S601426	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	C1806319.D
Sampled:	02/09/16 10:15	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 17:33
% Solids:	82.80	Preparation:	SW846 3545A	Initial/Final:	30.1791 g / 1 ml
Batch:	1602577	Sequence:	S601426	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	18.7	18.7	80.1	U
208-96-8	Acenaphthylene	68.0	17.0	80.1	J
62-53-3	Aniline	81.7	81.7	396	U
120-12-7	Anthracene	58.4	18.3	80.1	J
103-33-3	Azobenzene/Diphenyldiazene	95.5	95.5	396	U
92-87-5	Benzidine	97.0	97.0	396	U
56-55-3	Benzo (a) anthracene	224	16.6	80.1	
50-32-8	Benzo (a) pyrene	198	16.7	80.1	
205-99-2	Benzo (b) fluoranthene	290	18.2	80.1	
191-24-2	Benzo (g,h,i) perylene	111	17.3	80.1	
207-08-9	Benzo (k) fluoranthene	141	18.2	80.1	
65-85-0	Benzoic acid	92.5	92.5	396	U
100-51-6	Benzyl alcohol	72.8	72.8	396	U
111-91-1	Bis(2-chloroethoxy)methane	72.3	72.3	396	U
111-44-4	Bis(2-chloroethyl)ether	72.1	72.1	200	U
108-60-1	Bis(2-chloroisopropyl)ether	71.9	71.9	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	98.9	98.9	200	U
101-55-3	4-Bromophenyl phenyl ether	80.1	80.1	396	U
85-68-7	Butyl benzyl phthalate	87.8	87.8	396	U
86-74-8	Carbazole	102	102	200	U
59-50-7	4-Chloro-3-methylphenol	82.2	82.2	396	U
106-47-8	4-Chloroaniline	81.8	81.8	200	U
91-58-7	2-Chloronaphthalene	69.7	69.7	396	U
95-57-8	2-Chlorophenol	70.9	70.9	200	U
7005-72-3	4-Chlorophenyl phenyl ether	74.4	74.4	396	U
218-01-9	Chrysene	250	19.6	80.1	
53-70-3	Dibenzo (a,h) anthracene	31.6	14.7	80.1	J
132-64-9	Dibenzofuran	18.0	14.7	200	J
95-50-1	1,2-Dichlorobenzene	66.6	66.6	396	U
541-73-1	1,3-Dichlorobenzene	70.4	70.4	396	U
106-46-7	1,4-Dichlorobenzene	65.6	65.6	396	U
91-94-1	3,3´-Dichlorobenzidine	80.4	80.4	396	U
120-83-2	2,4-Dichlorophenol	68.2	68.2	200	U
84-66-2	Diethyl phthalate	82.7	82.7	396	U
131-11-3	Dimethyl phthalate	78.0	78.0	396	U
105-67-9	2,4-Dimethylphenol	67.9	67.9	396	U
84-74-2	Di-n-butyl phthalate	89.0	89.0	396	U
534-52-1	4,6-Dinitro-2-methylphenol	105	105	396	U
51-28-5	2,4-Dinitrophenol	104	104	396	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	C1806319.D		
Sampled:	02/09/16 10:15	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 17:33		
% Solids:	82.80	Preparation:	SW846 3545A	Initial/Final:	30.1791 g / 1 ml		
Batch:	1602577	Sequence:	S601426	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	82.6	82.6	200	U
606-20-2	2,6-Dinitrotoluene	77.8	77.8	200	U
117-84-0	Di-n-octyl phthalate	85.6	85.6	396	U
206-44-0	Fluoranthene	373	20.1	80.1	
86-73-7	Fluorene	19.2	19.2	80.1	U
118-74-1	Hexachlorobenzene	87.6	87.6	200	U
87-68-3	Hexachlorobutadiene	63.8	63.8	200	U
77-47-4	Hexachlorocyclopentadiene	73.1	73.1	200	U
67-72-1	Hexachloroethane	77.0	77.0	200	U
193-39-5	Indeno (1,2,3-cd) pyrene	142	16.4	80.1	
78-59-1	Isophorone	70.0	70.0	200	U
91-57-6	2-Methylnaphthalene	46.4	16.5	80.1	J
95-48-7	2-Methylphenol	71.1	71.1	396	U
108-39-4, 106-44	3 & 4-Methylphenol	89.2	89.2	396	U
91-20-3	Naphthalene	36.8	16.3	80.1	J
88-74-4	2-Nitroaniline	79.4	79.4	396	U
99-09-2	3-Nitroaniline	94.8	94.8	396	U
100-01-6	4-Nitroaniline	115	115	200	U
98-95-3	Nitrobenzene	77.8	77.8	200	U
88-75-5	2-Nitrophenol	66.4	66.4	200	U
100-02-7	4-Nitrophenol	107	107	1580	U
62-75-9	N-Nitrosodimethylamine	78.6	78.6	200	U
621-64-7	N-Nitrosodi-n-propylamine	85.3	85.3	200	U
86-30-6	N-Nitrosodiphenylamine	93.2	93.2	396	U
87-86-5	Pentachlorophenol	94.3	94.3	396	U
85-01-8	Phenanthrene	149	19.5	80.1	
108-95-2	Phenol	72.1	72.1	396	U
129-00-0	Pyrene	391	17.1	80.1	
110-86-1	Pyridine	85.8	85.8	396	U
120-82-1	1,2,4-Trichlorobenzene	63.0	63.0	396	U
90-12-0	1-Methylnaphthalene	37.2	20.3	80.1	J
95-95-4	2,4,5-Trichlorophenol	82.0	82.0	396	U
88-06-2	2,4,6-Trichlorophenol	75.9	75.9	200	U
82-68-8	Pentachloronitrobenzene	84.9	84.9	396	U
95-94-3	1,2,4,5-Tetrachlorobenzene	71.9	71.9	396	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	C1806319.D		
Sampled:	02/09/16 10:15	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 17:33		
% Solids:	82.80	Preparation:	SW846 3545A	Initial/Final:	30.1791 g / 1 ml		
Batch:	1602577	Sequence:	S601426	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	C1806320.D		
Sampled:	02/09/16 10:15	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 18:04		
% Solids:	81.31	Preparation:	SW846 3545A	Initial/Final:	30.2686 g / 1 ml		
Batch:	1602577	Sequence:	S601426	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	32.1	19.0	81.3	J
208-96-8	Acenaphthylene	65.4	17.2	81.3	J
62-53-3	Aniline	83.0	83.0	402	U
120-12-7	Anthracene	127	18.6	81.3	
103-33-3	Azobenzene/Diphenyldiazene	97.0	97.0	402	U
92-87-5	Benzidine	98.5	98.5	402	U
56-55-3	Benzo (a) anthracene	347	16.8	81.3	
50-32-8	Benzo (a) pyrene	302	16.9	81.3	
205-99-2	Benzo (b) fluoranthene	420	18.5	81.3	
191-24-2	Benzo (g,h,i) perylene	165	17.6	81.3	
207-08-9	Benzo (k) fluoranthene	167	18.5	81.3	
65-85-0	Benzoic acid	93.9	93.9	402	U
100-51-6	Benzyl alcohol	73.9	73.9	402	U
111-91-1	Bis(2-chloroethoxy)methane	73.4	73.4	402	U
111-44-4	Bis(2-chloroethyl)ether	73.2	73.2	204	U
108-60-1	Bis(2-chloroisopropyl)ether	73.0	73.0	204	U
117-81-7	Bis(2-ethylhexyl)phthalate	100	100	204	U
101-55-3	4-Bromophenyl phenyl ether	81.3	81.3	402	U
85-68-7	Butyl benzyl phthalate	89.1	89.1	402	U
86-74-8	Carbazole	103	103	204	U
59-50-7	4-Chloro-3-methylphenol	83.4	83.4	402	U
106-47-8	4-Chloroaniline	83.0	83.0	204	U
91-58-7	2-Chloronaphthalene	70.7	70.7	402	U
95-57-8	2-Chlorophenol	71.9	71.9	204	U
7005-72-3	4-Chlorophenyl phenyl ether	75.5	75.5	402	U
218-01-9	Chrysene	341	19.9	81.3	
53-70-3	Dibenzo (a,h) anthracene	43.9	14.9	81.3	J
132-64-9	Dibenzofuran	34.1	14.9	204	J
95-50-1	1,2-Dichlorobenzene	67.6	67.6	402	U
541-73-1	1,3-Dichlorobenzene	71.4	71.4	402	U
106-46-7	1,4-Dichlorobenzene	66.6	66.6	402	U
91-94-1	3,3´-Dichlorobenzidine	81.7	81.7	402	U
120-83-2	2,4-Dichlorophenol	69.2	69.2	204	U
84-66-2	Diethyl phthalate	84.0	84.0	402	U
131-11-3	Dimethyl phthalate	79.2	79.2	402	U
105-67-9	2,4-Dimethylphenol	69.0	69.0	402	U
84-74-2	Di-n-butyl phthalate	90.3	90.3	402	U
534-52-1	4,6-Dinitro-2-methylphenol	107	107	402	U
51-28-5	2,4-Dinitrophenol	106	106	402	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	C1806320.D		
Sampled:	02/09/16 10:15	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 18:04		
% Solids:	81.31	Preparation:	SW846 3545A	Initial/Final:	30.2686 g / 1 ml		
Batch:	1602577	Sequence:	S601426	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	83.8	83.8	204	U
606-20-2	2,6-Dinitrotoluene	79.0	79.0	204	U
117-84-0	Di-n-octyl phthalate	86.9	86.9	402	U
206-44-0	Fluoranthene	644	20.4	81.3	
86-73-7	Fluorene	45.1	19.5	81.3	J
118-74-1	Hexachlorobenzene	88.9	88.9	204	U
87-68-3	Hexachlorobutadiene	64.7	64.7	204	U
77-47-4	Hexachlorocyclopentadiene	74.2	74.2	204	U
67-72-1	Hexachloroethane	78.2	78.2	204	U
193-39-5	Indeno (1,2,3-cd) pyrene	207	16.6	81.3	
78-59-1	Isophorone	71.0	71.0	204	U
91-57-6	2-Methylnaphthalene	42.7	16.8	81.3	J
95-48-7	2-Methylphenol	72.2	72.2	402	U
108-39-4, 106-44	3 & 4-Methylphenol	90.5	90.5	402	U
91-20-3	Naphthalene	43.5	16.6	81.3	J
88-74-4	2-Nitroaniline	80.6	80.6	402	U
99-09-2	3-Nitroaniline	96.2	96.2	402	U J
100-01-6	4-Nitroaniline	116	116	204	U J
98-95-3	Nitrobenzene	78.9	78.9	204	U
88-75-5	2-Nitrophenol	67.4	67.4	204	U
100-02-7	4-Nitrophenol	109	109	1610	U
62-75-9	N-Nitrosodimethylamine	79.8	79.8	204	U
621-64-7	N-Nitrosodi-n-propylamine	86.6	86.6	204	U
86-30-6	N-Nitrosodiphenylamine	94.6	94.6	402	U
87-86-5	Pentachlorophenol	95.7	95.7	402	U
85-01-8	Phenanthrene	463	19.8	81.3	
108-95-2	Phenol	73.2	73.2	402	U
129-00-0	Pyrene	580	17.3	81.3	
110-86-1	Pyridine	87.1	87.1	402	U
120-82-1	1,2,4-Trichlorobenzene	64.0	64.0	402	U
90-12-0	1-Methylnaphthalene	43.5	20.6	81.3	J
95-95-4	2,4,5-Trichlorophenol	83.2	83.2	402	U
88-06-2	2,4,6-Trichlorophenol	77.1	77.1	204	U
82-68-8	Pentachloronitrobenzene	86.2	86.2	402	U
95-94-3	1,2,4,5-Tetrachlorobenzene	73.0	73.0	402	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	C1806320.D		
Sampled:	02/09/16 10:15	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 18:04		
% Solids:	81.31	Preparation:	SW846 3545A	Initial/Final:	30.2686 g / 1 ml		
Batch:	1602577	Sequence:	S601426	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	C1806323.D		
Sampled:	02/09/16 11:40	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 21:37		
% Solids:	81.88	Preparation:	SW846 3545A	Initial/Final:	30.1987 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	1860	94.3	405	
208-96-8	Acenaphthylene	85.8	85.8	405	U
62-53-3	Aniline	413	413	2000	U
120-12-7	Anthracene	5320	92.6	405	
103-33-3	Azobenzene/Diphenyldiazene	483	483	2000	U
92-87-5	Benzidine	490	490	2000	U
56-55-3	Benzo (a) anthracene	10100	83.8	405	
50-32-8	Benzo (a) pyrene	8870	84.3	405	
205-99-2	Benzo (b) fluoranthene	11400	92.2	405	
191-24-2	Benzo (g,h,i) perylene	4330	87.7	405	
207-08-9	Benzo (k) fluoranthene	3640	92.2	405	
65-85-0	Benzoic acid	468	468	2000	U
100-51-6	Benzyl alcohol	368	368	2000	U
111-91-1	Bis(2-chloroethoxy)methane	366	366	2000	U
111-44-4	Bis(2-chloroethyl)ether	364	364	1010	U
108-60-1	Bis(2-chloroisopropyl)ether	364	364	1010	U
117-81-7	Bis(2-ethylhexyl)phthalate	500	500	1010	U
101-55-3	4-Bromophenyl phenyl ether	405	405	2000	U
85-68-7	Butyl benzyl phthalate	444	444	2000	U
86-74-8	Carbazole	3520	515	1010	
59-50-7	4-Chloro-3-methylphenol	415	415	2000	U
106-47-8	4-Chloroaniline	413	413	1010	U J
91-58-7	2-Chloronaphthalene	352	352	2000	U
95-57-8	2-Chlorophenol	358	358	1010	U
7005-72-3	4-Chlorophenyl phenyl ether	376	376	2000	U
218-01-9	Chrysene	8350	98.9	405	
53-70-3	Dibenzo (a,h) anthracene	1030	74.3	405	
132-64-9	Dibenzofuran	1310	74.3	1010	
95-50-1	1,2-Dichlorobenzene	337	337	2000	U
541-73-1	1,3-Dichlorobenzene	356	356	2000	U
106-46-7	1,4-Dichlorobenzene	331	331	2000	U
91-94-1	3,3´-Dichlorobenzidine	407	407	2000	U
120-83-2	2,4-Dichlorophenol	345	345	1010	U
84-66-2	Diethyl phthalate	418	418	2000	U
131-11-3	Dimethyl phthalate	394	394	2000	U
105-67-9	2,4-Dimethylphenol	343	343	2000	U
84-74-2	Di-n-butyl phthalate	450	450	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	533	533	2000	U
51-28-5	2,4-Dinitrophenol	527	527	2000	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	C1806323.D
Sampled:	02/09/16 11:40	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 21:37
% Solids:	81.88	Preparation:	SW846 3545A	Initial/Final:	30.1987 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	5		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	417	417	1010	U
606-20-2	2,6-Dinitrotoluene	393	393	1010	U
117-84-0	Di-n-octyl phthalate	432	432	2000	U
206-44-0	Fluoranthene	24100* ~~22000~~	102	405	~~E~~
86-73-7	Fluorene	2250	96.9	405	
118-74-1	Hexachlorobenzene	443	443	1010	U
87-68-3	Hexachlorobutadiene	322	322	1010	U
77-47-4	Hexachlorocyclopentadiene	369	369	1010	U
67-72-1	Hexachloroethane	389	389	1010	U
193-39-5	Indeno (1,2,3-cd) pyrene	5260	82.7	405	
78-59-1	Isophorone	354	354	1010	U
91-57-6	2-Methylnaphthalene	544	83.5	405	
95-48-7	2-Methylphenol	359	359	2000	U
108-39-4, 106-44	3 & 4-Methylphenol	451	451	2000	U
91-20-3	Naphthalene	817	82.4	405	
88-74-4	2-Nitroaniline	401	401	2000	U
99-09-2	3-Nitroaniline	479	479	2000	U
100-01-6	4-Nitroaniline	579	579	1010	U
98-95-3	Nitrobenzene	393	393	1010	U
88-75-5	2-Nitrophenol	335	335	1010	U
100-02-7	4-Nitrophenol	541	541	8010	U
62-75-9	N-Nitrosodimethylamine	397	397	1010	U
621-64-7	N-Nitrosodi-n-propylamine	431	431	1010	U
86-30-6	N-Nitrosodiphenylamine	471	471	2000	U
87-86-5	Pentachlorophenol	476	476	2000	U
85-01-8	Phenanthrene	19500	98.8	405	
108-95-2	Phenol	365	365	2000	U
129-00-0	Pyrene	19000	86.2	405	
110-86-1	Pyridine	433	433	2000	U
120-82-1	1,2,4-Trichlorobenzene	319	319	2000	U
90-12-0	1-Methylnaphthalene	597	102	405	
95-95-4	2,4,5-Trichlorophenol	414	414	2000	U
88-06-2	2,4,6-Trichlorophenol	384	384	1010	U
82-68-8	Pentachloronitrobenzene	429	429	2000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	363	363	2000	U

*10X dilution

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	C1806323.D		
Sampled:	02/09/16 11:40	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 21:37		
% Solids:	81.88	Preparation:	SW846 3545A	Initial/Final:	30.1987 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000205-99-2	Benz[e]acephenanthrylene	14.557	460	JN
000192-97-2	Benzo[e]pyrene	14.852	5000	JN

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-23RE1	File ID:	R1806323.D
Sampled:	02/09/16 11:40	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 19:05
% Solids:	81.88	Preparation:	SW846 3545A	Initial/Final:	30.1987 g / 1 ml
Batch:	1602577	Sequence:	S601426	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	10		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	2120	189	809	D
208-96-8	Acenaphthylene	172	172	809	UD
62-53-3	Aniline	826	826	4000	UD
120-12-7	Anthracene	5480	185	809	D
103-33-3	Azobenzene/Diphenyldiazene	965	965	4000	UD
92-87-5	Benzidine	980	980	4000	UD
56-55-3	Benzo (a) anthracene	11100	168	809	D
50-32-8	Benzo (a) pyrene	9630	169	809	D
205-99-2	Benzo (b) fluoranthene	12000	184	809	D
191-24-2	Benzo (g,h,i) perylene	5050	175	809	D
207-08-9	Benzo (k) fluoranthene	4290	184	809	D
65-85-0	Benzoic acid	935	935	4000	UD
100-51-6	Benzyl alcohol	736	736	4000	UD
111-91-1	Bis(2-chloroethoxy)methane	731	731	4000	UD
111-44-4	Bis(2-chloroethyl)ether	728	728	2030	UD
108-60-1	Bis(2-chloroisopropyl)ether	727	727	2030	UD
117-81-7	Bis(2-ethylhexyl)phthalate	1000	1000	2030	UD
101-55-3	4-Bromophenyl phenyl ether	809	809	4000	UD
85-68-7	Butyl benzyl phthalate	887	887	4000	UD
86-74-8	Carbazole	3470	1030	2030	D
59-50-7	4-Chloro-3-methylphenol	831	831	4000	UD
106-47-8	4-Chloroaniline	826	826	2030	UD
91-58-7	2-Chloronaphthalene	704	704	4000	UD
95-57-8	2-Chlorophenol	716	716	2030	UD
7005-72-3	4-Chlorophenyl phenyl ether	752	752	4000	UD
218-01-9	Chrysene	9320	198	809	D
53-70-3	Dibenzo (a,h) anthracene	1330	149	809	D
132-64-9	Dibenzofuran	1480	149	2030	JD
95-50-1	1,2-Dichlorobenzene	673	673	4000	UD
541-73-1	1,3-Dichlorobenzene	711	711	4000	UD
106-46-7	1,4-Dichlorobenzene	663	663	4000	UD
91-94-1	3,3´-Dichlorobenzidine	813	813	4000	UD
120-83-2	2,4-Dichlorophenol	689	689	2030	UD
84-66-2	Diethyl phthalate	836	836	4000	UD
131-11-3	Dimethyl phthalate	789	789	4000	UD
105-67-9	2,4-Dimethylphenol	686	686	4000	UD
84-74-2	Di-n-butyl phthalate	899	899	4000	UD
534-52-1	4,6-Dinitro-2-methylphenol	1070	1070	4000	UD
51-28-5	2,4-Dinitrophenol	1050	1050	4000	UD

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-23RE1	File ID:	R1806323.D
Sampled:	02/09/16 11:40	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 19:05
% Solids:	81.88	Preparation:	SW846 3545A	Initial/Final:	30.1987 g / 1 ml
Batch:	1602577	Sequence:	S601426	Calibration:	1601040
Reported to:	MDL	Dilution:	10		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	835	835	2030	UD
606-20-2	2,6-Dinitrotoluene	786	786	2030	UD
117-84-0	Di-n-octyl phthalate	865	865	4000	UD
206-44-0	Fluoranthene	24100	203	809	D
86-73-7	Fluorene	2450	194	809	D
118-74-1	Hexachlorobenzene	885	885	2030	UD
87-68-3	Hexachlorobutadiene	644	644	2030	UD
77-47-4	Hexachlorocyclopentadiene	739	739	2030	UD
67-72-1	Hexachloroethane	778	778	2030	UD
193-39-5	Indeno (1,2,3-cd) pyrene	6350	165	809	D
78-59-1	Isophorone	707	707	2030	UD
91-57-6	2-Methylnaphthalene	627	167	809	JD
95-48-7	2-Methylphenol	718	718	4000	UD
108-39-4, 106-44	3 & 4-Methylphenol	901	901	4000	UD
91-20-3	Naphthalene	866	165	809	D
88-74-4	2-Nitroaniline	803	803	4000	UD
99-09-2	3-Nitroaniline	958	958	4000	UD
100-01-6	4-Nitroaniline	1160	1160	2030	UD
98-95-3	Nitrobenzene	786	786	2030	UD
88-75-5	2-Nitrophenol	671	671	2030	UD
100-02-7	4-Nitrophenol	1080	1080	16000	UD
62-75-9	N-Nitrosodimethylamine	794	794	2030	UD
621-64-7	N-Nitrosodi-n-propylamine	862	862	2030	UD
86-30-6	N-Nitrosodiphenylamine	942	942	4000	UD
87-86-5	Pentachlorophenol	953	953	4000	UD
85-01-8	Phenanthrene	21600	198	809	D
108-95-2	Phenol	729	729	4000	UD
129-00-0	Pyrene	22300	172	809	D
110-86-1	Pyridine	867	867	4000	UD
120-82-1	1,2,4-Trichlorobenzene	637	637	4000	UD
90-12-0	1-Methylnaphthalene	623	205	809	JD
95-95-4	2,4,5-Trichlorophenol	828	828	4000	UD
88-06-2	2,4,6-Trichlorophenol	767	767	2030	UD
82-68-8	Pentachloronitrobenzene	858	858	4000	UD
95-94-3	1,2,4,5-Tetrachlorobenzene	726	726	4000	UD

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-23RE1	File ID:	R1806323.D
Sampled:	02/09/16 11:40	Prepared:	02/12/16 06:52	Analyzed:	02/19/16 19:05
% Solids:	81.88	Preparation:	SW846 3545A	Initial/Final:	30.1987 g / 1 ml
Batch:	1602577	Sequence:	S601426	Calibration:	1601040
Reported to:	MDL	Dilution:	10		

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000205-99-2	Benz[e]acephenanthrylene	14.811	5000	DJN

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	C1806324.D
Sampled:	02/09/16 13:45	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 22:08
% Solids:	84.15	Preparation:	SW846 3545A	Initial/Final:	30.1541 g / 1 ml
Batch:	1602577	Sequence:	S601349	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	22.9	18.4	78.9	J
208-96-8	Acenaphthylene	70.1	16.7	78.9	J
62-53-3	Aniline	80.5	80.5	390	U
120-12-7	Anthracene	82.0	18.0	78.9	
103-33-3	Azobenzene/Diphenyldiazene	94.1	94.1	390	U
92-87-5	Benzidine	95.5	95.5	390	U
56-55-3	Benzo (a) anthracene	365	16.3	78.9	
50-32-8	Benzo (a) pyrene	357	16.4	78.9	
205-99-2	Benzo (b) fluoranthene	567	18.0	78.9	
191-24-2	Benzo (g,h,i) perylene	176	17.1	78.9	
207-08-9	Benzo (k) fluoranthene	203	18.0	78.9	
65-85-0	Benzoic acid	91.1	91.1	390	U
100-51-6	Benzyl alcohol	71.7	71.7	390	U
111-91-1	Bis(2-chloroethoxy)methane	71.2	71.2	390	U
111-44-4	Bis(2-chloroethyl)ether	71.0	71.0	197	U
108-60-1	Bis(2-chloroisopropyl)ether	70.9	70.9	197	U
117-81-7	Bis(2-ethylhexyl)phthalate	97.4	97.4	197	U
101-55-3	4-Bromophenyl phenyl ether	78.8	78.8	390	U
85-68-7	Butyl benzyl phthalate	86.5	86.5	390	U
86-74-8	Carbazole	100	100	197	U
59-50-7	4-Chloro-3-methylphenol	80.9	80.9	390	U
106-47-8	4-Chloroaniline	80.5	80.5	197	U J
91-58-7	2-Chloronaphthalene	68.6	68.6	390	U
95-57-8	2-Chlorophenol	69.8	69.8	197	U
7005-72-3	4-Chlorophenyl phenyl ether	73.3	73.3	390	U
218-01-9	Chrysene	406	19.3	78.9	
53-70-3	Dibenzo (a,h) anthracene	45.7	14.5	78.9	J
132-64-9	Dibenzofuran	34.3	14.5	197	J
95-50-1	1,2-Dichlorobenzene	65.6	65.6	390	U
541-73-1	1,3-Dichlorobenzene	69.3	69.3	390	U
106-46-7	1,4-Dichlorobenzene	64.6	64.6	390	U
91-94-1	3,3´-Dichlorobenzidine	79.2	79.2	390	U
120-83-2	2,4-Dichlorophenol	67.2	67.2	197	U
84-66-2	Diethyl phthalate	81.4	81.4	390	U
131-11-3	Dimethyl phthalate	76.8	76.8	390	U
105-67-9	2,4-Dimethylphenol	66.9	66.9	390	U
84-74-2	Di-n-butyl phthalate	87.6	87.6	390	U
534-52-1	4,6-Dinitro-2-methylphenol	104	104	390	U
51-28-5	2,4-Dinitrophenol	103	103	390	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	C1806324.D		
Sampled:	02/09/16 13:45	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 22:08		
% Solids:	84.15	Preparation:	SW846 3545A	Initial/Final:	30.1541 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	81.3	81.3	197	U
606-20-2	2,6-Dinitrotoluene	76.6	76.6	197	U
117-84-0	Di-n-octyl phthalate	84.3	84.3	390	U
206-44-0	Fluoranthene	704	19.8	78.9	
86-73-7	Fluorene	23.6	18.9	78.9	J
118-74-1	Hexachlorobenzene	86.3	86.3	197	U
87-68-3	Hexachlorobutadiene	62.8	62.8	197	U
77-47-4	Hexachlorocyclopentadiene	72.0	72.0	197	U
67-72-1	Hexachloroethane	75.8	75.8	197	U
193-39-5	Indeno (1,2,3-cd) pyrene	212	16.1	78.9	
78-59-1	Isophorone	68.9	68.9	197	U
91-57-6	2-Methylnaphthalene	67.8	16.3	78.9	J
95-48-7	2-Methylphenol	70.0	70.0	390	U
108-39-4, 106-44	3 & 4-Methylphenol	87.8	87.8	390	U
91-20-3	Naphthalene	54.4	16.1	78.9	J
88-74-4	2-Nitroaniline	78.2	78.2	390	U
99-09-2	3-Nitroaniline	93.4	93.4	390	U J
100-01-6	4-Nitroaniline	113	113	197	U J
98-95-3	Nitrobenzene	76.6	76.6	197	U
88-75-5	2-Nitrophenol	65.4	65.4	197	U
100-02-7	4-Nitrophenol	105	105	1560	U
62-75-9	N-Nitrosodimethylamine	77.4	77.4	197	U
621-64-7	N-Nitrosodi-n-propylamine	84.0	84.0	197	U
86-30-6	N-Nitrosodiphenylamine	91.8	91.8	390	U
87-86-5	Pentachlorophenol	92.9	92.9	390	U
85-01-8	Phenanthrene	311	19.2	78.9	
108-95-2	Phenol	71.0	71.0	390	U
129-00-0	Pyrene	665	16.8	78.9	
110-86-1	Pyridine	84.5	84.5	390	U
120-82-1	1,2,4-Trichlorobenzene	62.1	62.1	390	U
90-12-0	1-Methylnaphthalene	59.1	20.0	78.9	J
95-95-4	2,4,5-Trichlorophenol	80.7	80.7	390	U
88-06-2	2,4,6-Trichlorophenol	74.7	74.7	197	U
82-68-8	Pentachloronitrobenzene	83.6	83.6	390	U
95-94-3	1,2,4,5-Tetrachlorobenzene	70.8	70.8	390	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	C1806324.D		
Sampled:	02/09/16 13:45	Prepared:	02/12/16 06:52	Analyzed:	02/18/16 22:08		
% Solids:	84.15	Preparation:	SW846 3545A	Initial/Final:	30.1541 g / 1 ml		
Batch:	1602577	Sequence:	S601349	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000506-52-5	1-Hexacosanol	15.093	460	JN

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	C1806325.D
Sampled:	02/09/16 15:05	Prepared:	02/16/16 06:58	Analyzed:	02/17/16 16:59
% Solids:		Preparation:	SW846 3510C	Initial/Final:	980 ml / 1 ml
Batch:	1602733	Sequence:	S601338	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
83-32-9	Acenaphthene	1.35	1.35	5.10	U
208-96-8	Acenaphthylene	1.37	1.37	5.10	U
62-53-3	Aniline	1.82	1.82	5.10	U
120-12-7	Anthracene	1.43	1.43	5.10	U
103-33-3	Azobenzene/Diphenyldiazene	1.43	1.43	5.10	U
92-87-5	Benzidine	2.36	2.36	5.10	U
56-55-3	Benzo (a) anthracene	1.29	1.29	5.10	U
50-32-8	Benzo (a) pyrene	1.35	1.35	5.10	U
205-99-2	Benzo (b) fluoranthene	1.68	1.68	5.10	U
191-24-2	Benzo (g,h,i) perylene	1.52	1.52	5.10	U
207-08-9	Benzo (k) fluoranthene	1.36	1.36	5.10	U
65-85-0	Benzoic acid	1.43	1.43	5.10	U
100-51-6	Benzyl alcohol	1.64	1.64	5.10	U
111-91-1	Bis(2-chloroethoxy)methane	1.24	1.24	5.10	U
111-44-4	Bis(2-chloroethyl)ether	1.20	1.20	5.10	U
108-60-1	Bis(2-chloroisopropyl)ether	1.16	1.16	5.10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.37	1.37	5.10	U
101-55-3	4-Bromophenyl phenyl ether	1.37	1.37	5.10	U
85-68-7	Butyl benzyl phthalate	1.34	1.34	5.10	U
86-74-8	Carbazole	1.95	1.95	5.10	U
59-50-7	4-Chloro-3-methylphenol	1.69	1.69	5.10	U
106-47-8	4-Chloroaniline	2.10	2.10	5.10	U
91-58-7	2-Chloronaphthalene	1.66	1.66	5.10	U
95-57-8	2-Chlorophenol	1.19	1.19	5.10	U
7005-72-3	4-Chlorophenyl phenyl ether	1.35	1.35	5.10	U
218-01-9	Chrysene	1.53	1.53	5.10	U
53-70-3	Dibenzo (a,h) anthracene	1.57	1.57	5.10	U
132-64-9	Dibenzofuran	1.34	1.34	5.10	U
95-50-1	1,2-Dichlorobenzene	1.20	1.20	5.10	U
541-73-1	1,3-Dichlorobenzene	1.16	1.16	5.10	U
106-46-7	1,4-Dichlorobenzene	1.16	1.16	5.10	U
91-94-1	3,3´-Dichlorobenzidine	1.07	1.07	5.10	U
120-83-2	2,4-Dichlorophenol	1.33	1.33	5.10	U
84-66-2	Diethyl phthalate	1.31	1.31	5.10	U
131-11-3	Dimethyl phthalate	1.40	1.40	5.10	U
105-67-9	2,4-Dimethylphenol	1.36	1.36	5.10	U
84-74-2	Di-n-butyl phthalate	1.58	1.58	5.10	U
534-52-1	4,6-Dinitro-2-methylphenol	2.06	2.06	5.10	U
51-28-5	2,4-Dinitrophenol	1.97	1.97	5.10	U

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	C1806325.D		
Sampled:	02/09/16 15:05	Prepared:	02/16/16 06:58	Analyzed:	02/17/16 16:59		
% Solids:		Preparation:	SW846 3510C	Initial/Final:	980 ml / 1 ml		
Batch:	1602733	Sequence:	S601338	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	1.89	1.89	5.10	U
606-20-2	2,6-Dinitrotoluene	1.48	1.48	5.10	U
117-84-0	Di-n-octyl phthalate	1.36	1.36	5.10	U
206-44-0	Fluoranthene	1.59	1.59	5.10	U
86-73-7	Fluorene	1.38	1.38	5.10	U
118-74-1	Hexachlorobenzene	1.39	1.39	5.10	U
87-68-3	Hexachlorobutadiene	1.27	1.27	5.10	U
77-47-4	Hexachlorocyclopentadiene	1.63	1.63	5.10	U
67-72-1	Hexachloroethane	1.12	1.12	5.10	U
193-39-5	Indeno (1,2,3-cd) pyrene	1.78	1.78	5.10	U
78-59-1	Isophorone	1.18	1.18	5.10	U
91-57-6	2-Methylnaphthalene	1.46	1.46	5.10	U
95-48-7	2-Methylphenol	1.50	1.50	5.10	U
108-39-4, 106-44	3 & 4-Methylphenol	1.89	1.89	10.2	U
91-20-3	Naphthalene	1.19	1.19	5.10	U
88-74-4	2-Nitroaniline	1.72	1.72	5.10	U
99-09-2	3-Nitroaniline	2.29	2.29	5.10	U
100-01-6	4-Nitroaniline	2.26	2.26	5.10	U
98-95-3	Nitrobenzene	1.19	1.19	5.10	U
88-75-5	2-Nitrophenol	1.36	1.36	5.10	U
100-02-7	4-Nitrophenol	1.96	1.96	20.4	U
62-75-9	N-Nitrosodimethylamine	1.51	1.51	5.10	U
621-64-7	N-Nitrosodi-n-propylamine	1.45	1.45	5.10	U
86-30-6	N-Nitrosodiphenylamine	1.44	1.44	5.10	U
87-86-5	Pentachlorophenol	2.42	2.42	20.4	U
85-01-8	Phenanthrene	1.40	1.40	5.10	U
108-95-2	Phenol	3.07	2.10	5.10	J
129-00-0	Pyrene	1.31	1.31	5.10	U
110-86-1	Pyridine	1.86	1.86	5.10	U
120-82-1	1,2,4-Trichlorobenzene	1.11	1.11	5.10	U
90-12-0	1-Methylnaphthalene	1.19	1.19	5.10	U
95-95-4	2,4,5-Trichlorophenol	1.88	1.88	5.10	U
88-06-2	2,4,6-Trichlorophenol	1.72	1.72	5.10	U
82-68-8	Pentachloronitrobenzene	1.51	1.51	5.10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1.58	1.58	5.10	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	C1806325.D		
Sampled:	02/09/16 15:05	Prepared:	02/16/16 06:58	Analyzed:	02/17/16 16:59		
% Solids:		Preparation:	SW846 3510C	Initial/Final:	980 ml / 1 ml		
Batch:	1602733	Sequence:	S601338	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	1806302.D
Sampled:	02/08/16 11:20	Prepared:	02/22/16 06:57	Analyzed:	02/23/16 20:01
% Solids:	80.33	Preparation:	SW846 3545A	Initial/Final:	20.6081 g / 10 ml
Batch:	1603031	Sequence:	S601528	Calibration:	1601013
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.8	21.8	24.2	U
11104-28-2	Aroclor-1221	18.5	18.5	24.2	U
11141-16-5	Aroclor-1232	21.7	21.7	24.2	U
53469-21-9	Aroclor-1242	15.0	15.0	24.2	U
12672-29-6	Aroclor-1248	15.1	15.1	24.2	U
11097-69-1	Aroclor-1254	16.6	16.6	24.2	U
11096-82-5	Aroclor-1260	36.5	16.9	24.2	
37324-23-5	Aroclor-1262	21.6	21.6	24.2	U
11100-14-4	Aroclor-1268	23.7	23.7	24.2	U

FORM I - ANALYSIS DATA SHEET
SW846 8082A

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	1806303.D
Sampled:	02/08/16 11:55	Prepared:	02/12/16 07:28	Analyzed:	02/15/16 17:00
% Solids:	76.17	Preparation:	SW846 3545A	Initial/Final:	10.0263 g / 10 ml
Batch:	1602581	Sequence:	S601324	Calibration:	1601007
Instrument:	HPS12				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	23.6	23.6	26.2	U
11104-28-2	Aroclor-1221	20.1	20.1	26.2	U
11141-16-5	Aroclor-1232	23.5	23.5	26.2	U
53469-21-9	Aroclor-1242	16.2	16.2	26.2	U
12672-29-6	Aroclor-1248	16.4	16.4	26.2	U
11097-69-1	Aroclor-1254	18.0	18.0	26.2	U
11096-82-5	Aroclor-1260	18.4	18.4	26.2	U
37324-23-5	Aroclor-1262	23.5	23.5	26.2	U
11100-14-4	Aroclor-1268	25.7	25.7	26.2	U

FORM I - ANALYSIS DATA SHEET
SW846 8082A

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	1806306.D
Sampled:	02/08/16 13:12	Prepared:	02/12/16 07:28	Analyzed:	02/15/16 17:09
% Solids:	76.32	Preparation:	SW846 3545A	Initial/Final:	10.7758 g / 10 ml
Batch:	1602581	Sequence:	S601324	Calibration:	1601007
Instrument:	HPS12				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.9	21.9	24.3	U
11104-28-2	Aroclor-1221	18.6	18.6	24.3	U
11141-16-5	Aroclor-1232	21.8	21.8	24.3	U
53469-21-9	Aroclor-1242	15.1	15.1	24.3	U
12672-29-6	Aroclor-1248	15.2	15.2	24.3	U
11097-69-1	Aroclor-1254	16.8	16.8	24.3	U
11096-82-5	Aroclor-1260	17.0	17.0	24.3	U
37324-23-5	Aroclor-1262	21.8	21.8	24.3	U
11100-14-4	Aroclor-1268	23.9	23.9	24.3	U

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FORM I - ANALYSIS DATA SHEET
SW846 8082A

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	1806310.D
Sampled:	02/08/16 14:10	Prepared:	02/12/16 07:28	Analyzed:	02/15/16 17:19
% Solids:	78.12	Preparation:	SW846 3545A	Initial/Final:	10.4024 g / 10 ml
Batch:	1602581	Sequence:	S601324	Calibration:	1601007
Instrument:	HPS12				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	22.2	22.2	24.6	U
11104-28-2	Aroclor-1221	18.9	18.9	24.6	U
11141-16-5	Aroclor-1232	22.1	22.1	24.6	U
53469-21-9	Aroclor-1242	15.3	15.3	24.6	U
12672-29-6	Aroclor-1248	15.4	15.4	24.6	U
11097-69-1	Aroclor-1254	17.0	17.0	24.6	U
11096-82-5	Aroclor-1260	17.3	17.3	24.6	U
37324-23-5	Aroclor-1262	22.0	22.0	24.6	U
11100-14-4	Aroclor-1268	24.2	24.2	24.6	U

FORM I - ANALYSIS DATA SHEET
SW846 8082A

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	1806312.D
Sampled:	02/08/16 14:47	Prepared:	02/22/16 06:57	Analyzed:	02/23/16 20:16
% Solids:	84.45	Preparation:	SW846 3545A	Initial/Final:	20.3702 g / 10 ml
Batch:	1603031	Sequence:	S601528	Calibration:	1601013
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.0	21.0	23.3	U
11104-28-2	Aroclor-1221	17.8	17.8	23.3	U
11141-16-5	Aroclor-1232	20.9	20.9	23.3	U
53469-21-9	Aroclor-1242	14.4	14.4	23.3	U
12672-29-6	Aroclor-1248	14.6	14.6	23.3	U
11097-69-1	Aroclor-1254	16.0	16.0	23.3	U
11096-82-5	Aroclor-1260	16.3	16.3	23.3	U
37324-23-5	Aroclor-1262	20.8	20.8	23.3	U
11100-14-4	Aroclor-1268	22.8	22.8	23.3	U

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FORM I - ANALYSIS DATA SHEET
SW846 8082A

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	1806317.D
Sampled:	02/09/16 08:57	Prepared:	02/12/16 07:28	Analyzed:	02/15/16 17:29
% Solids:	83.19	Preparation:	SW846 3545A	Initial/Final:	10.2634 g / 10 ml
Batch:	1602581	Sequence:	S601324	Calibration:	1601007
Instrument:	HPS12				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.1	21.1	23.4	U
11104-28-2	Aroclor-1221	17.9	17.9	23.4	U
11141-16-5	Aroclor-1232	21.0	21.0	23.4	U
53469-21-9	Aroclor-1242	14.5	14.5	23.4	U
12672-29-6	Aroclor-1248	14.7	14.7	23.4	U
11097-69-1	Aroclor-1254	130	16.1	23.4	
11096-82-5	Aroclor-1260	16.4	16.4	23.4	U
37324-23-5	Aroclor-1262	21.0	21.0	23.4	U
11100-14-4	Aroclor-1268	23.0	23.0	23.4	U

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FORM I - ANALYSIS DATA SHEET
SW846 8082A

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	1806318.D
Sampled:	02/09/16 08:55	Prepared:	02/22/16 06:57	Analyzed:	02/23/16 20:31
% Solids:	96.87	Preparation:	SW846 3545A	Initial/Final:	20.0066 g / 10 ml
Batch:	1603031	Sequence:	S601528	Calibration:	1601013
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	18.6	18.6	20.6	U
11104-28-2	Aroclor-1221	15.8	15.8	20.6	U
11141-16-5	Aroclor-1232	18.5	18.5	20.6	U
53469-21-9	Aroclor-1242	12.8	12.8	20.6	U
12672-29-6	Aroclor-1248	12.9	12.9	20.6	U
11097-69-1	Aroclor-1254	14.2	14.2	20.6	U
11096-82-5	Aroclor-1260	14.5	14.5	20.6	U
37324-23-5	Aroclor-1262	18.5	18.5	20.6	U
11100-14-4	Aroclor-1268	20.3	20.3	20.6	U

FORM I - ANALYSIS DATA SHEET
SW846 8082A

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	1806319.D
Sampled:	02/09/16 10:15	Prepared:	02/12/16 07:28	Analyzed:	02/15/16 17:39
% Solids:	82.80	Preparation:	SW846 3545A	Initial/Final:	10.3843 g / 10 ml
Batch:	1602581	Sequence:	S601324	Calibration:	1601007
Instrument:	HPS12				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.0	21.0	23.3	U
11104-28-2	Aroclor-1221	17.8	17.8	23.3	U
11141-16-5	Aroclor-1232	20.9	20.9	23.3	U
53469-21-9	Aroclor-1242	14.4	14.4	23.3	U
12672-29-6	Aroclor-1248	14.6	14.6	23.3	U
11097-69-1	Aroclor-1254	16.0	16.0	23.3	U
11096-82-5	Aroclor-1260	16.3	16.3	23.3	U
37324-23-5	Aroclor-1262	20.8	20.8	23.3	U
11100-14-4	Aroclor-1268	22.9	22.9	23.3	U

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FORM I - ANALYSIS DATA SHEET
SW846 8082A

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	1806320.D
Sampled:	02/09/16 10:15	Prepared:	02/12/16 07:28	Analyzed:	02/15/16 17:48
% Solids:	81.31	Preparation:	SW846 3545A	Initial/Final:	10.2687 g / 10 ml
Batch:	1602581	Sequence:	S601324	Calibration:	1601007
Instrument:	HPS12				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.6	21.6	24.0	U
11104-28-2	Aroclor-1221	18.3	18.3	24.0	U
11141-16-5	Aroclor-1232	21.5	21.5	24.0	U
53469-21-9	Aroclor-1242	14.9	14.9	24.0	U
12672-29-6	Aroclor-1248	15.0	15.0	24.0	U
11097-69-1	Aroclor-1254	16.5	16.5	24.0	U
11096-82-5	Aroclor-1260	16.8	16.8	24.0	U
37324-23-5	Aroclor-1262	21.4	21.4	24.0	U
11100-14-4	Aroclor-1268	23.5	23.5	24.0	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	1806302P.D
Sampled:	02/08/16 11:20	Prepared:	02/22/16 06:56	Analyzed:	02/24/16 16:18
% Solids:	80.33	Preparation:	SW846 3545A	Initial/Final:	20.6081 g / 10 ml
Batch:	1603030	Sequence:	S601555	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	1.45	1.45	6.04	U
319-85-7	beta-BHC	1.71	1.71	6.04	U
319-86-8	delta-BHC	1.54	1.54	6.04	U
58-89-9	gamma-BHC (Lindane)	1.57	1.57	3.62	U
76-44-8	Heptachlor	1.59	1.59	6.04	U
309-00-2	Aldrin	1.64	1.64	6.04	U
1024-57-3	Heptachlor epoxide	1.67	1.67	6.04	U
959-98-8	Endosulfan I	1.75	1.75	6.04	U
60-57-1	Dieldrin	4.31	1.69	6.04	J
72-55-9	4,4'-DDE (p,p')	1.97	1.62	6.04	J
72-20-8	Endrin	1.87	1.87	9.67	U
33213-65-9	Endosulfan II	1.79	1.79	9.67	U
72-54-8	4,4'-DDD (p,p')	1.73	1.73	9.67	UP
1031-07-8	Endosulfan sulfate	1.91	1.91	9.67	U
50-29-3	4,4'-DDT (p,p')	12.2	1.77	9.67	
72-43-5	Methoxychlor	1.86	1.86	9.67	U
53494-70-5	Endrin ketone	1.84	1.84	9.67	U
7421-93-4	Endrin aldehyde	1.68	1.68	9.67	U
5103-71-9	alpha-Chlordane	4.24	1.75	6.04	J
5566-34-7	gamma-Chlordane	1.70	1.41	6.04	JP
8001-35-2	Toxaphene	52.6	52.6	121	U
57-74-9	Chlordane	19.6	19.4	24.2	JP
15972-60-8	Alachlor	1.61	1.61	6.04	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	1806303P.D
Sampled:	02/08/16 11:55	Prepared:	02/16/16 07:04	Analyzed:	02/17/16 18:49
% Solids:	76.17	Preparation:	SW846 3545A	Initial/Final:	20.1085 g / 10 ml
Batch:	1602735	Sequence:	S601332	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	1.57	1.57	6.53	U
319-85-7	beta-BHC	1.85	1.85	6.53	U
319-86-8	delta-BHC	1.66	1.66	6.53	U
58-89-9	gamma-BHC (Lindane)	1.69	1.69	3.92	U
76-44-8	Heptachlor	1.71	1.71	6.53	U
309-00-2	Aldrin	1.77	1.77	6.53	U
1024-57-3	Heptachlor epoxide	1.81	1.81	6.53	U
959-98-8	Endosulfan I	1.89	1.89	6.53	U
60-57-1	Dieldrin	1.83	1.83	6.53	U
72-55-9	4,4'-DDE (p,p')	1.75	1.75	6.53	U
72-20-8	Endrin	2.02	2.02	10.4	U
33213-65-9	Endosulfan II	1.94	1.94	10.4	U
72-54-8	4,4'-DDD (p,p')	1.87	1.87	10.4	U
1031-07-8	Endosulfan sulfate	2.06	2.06	10.4	U
50-29-3	4,4'-DDT (p,p')	1.92	1.92	10.4	U
72-43-5	Methoxychlor	2.01	2.01	10.4	U
53494-70-5	Endrin ketone	1.99	1.99	10.4	U
7421-93-4	Endrin aldehyde	1.82	1.82	10.4	U
5103-71-9	alpha-Chlordane	1.89	1.89	6.53	U
5566-34-7	gamma-Chlordane	1.72	1.72	6.53	U
8001-35-2	Toxaphene	56.8	56.8	131	U
57-74-9	Chlordane	24.3	24.3	26.1	U
15972-60-8	Alachlor	1.74	1.74	6.53	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	1806306P.D
Sampled:	02/08/16 13:12	Prepared:	02/16/16 07:04	Analyzed:	02/17/16 19:06
% Solids:	76.32	Preparation:	SW846 3545A	Initial/Final:	20.2795 g / 10 ml
Batch:	1602735	Sequence:	S601332	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	1.56	1.56	6.46	U
319-85-7	beta-BHC	1.83	1.83	6.46	U
319-86-8	delta-BHC	1.64	1.64	6.46	U
58-89-9	gamma-BHC (Lindane)	1.68	1.68	3.88	U
76-44-8	Heptachlor	1.70	1.70	6.46	U
309-00-2	Aldrin	1.75	1.75	6.46	U
1024-57-3	Heptachlor epoxide	1.79	1.79	6.46	U
959-98-8	Endosulfan I	1.87	1.87	6.46	U
60-57-1	Dieldrin	1.81	1.81	6.46	U
72-55-9	4,4'-DDE (p,p')	1.73	1.73	6.46	U
72-20-8	Endrin	2.00	2.00	10.3	U
33213-65-9	Endosulfan II	1.91	1.91	10.3	U
72-54-8	4,4'-DDD (p,p')	1.85	1.85	10.3	U
1031-07-8	Endosulfan sulfate	2.04	2.04	10.3	U
50-29-3	4,4'-DDT (p,p')	3.33	1.50	10.3	J
72-43-5	Methoxychlor	1.99	1.99	10.3	U
53494-70-5	Endrin ketone	1.97	1.97	10.3	U
7421-93-4	Endrin aldehyde	1.80	1.80	10.3	U
5103-71-9	alpha-Chlordane	1.87	1.87	6.46	U
5566-34-7	gamma-Chlordane	1.70	1.70	6.46	U
8001-35-2	Toxaphene	56.2	56.2	129	U
57-74-9	Chlordane	24.0	24.0	25.8	U
15972-60-8	Alachlor	1.73	1.73	6.46	U

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FORM I - ANALYSIS DATA SHEET

SW846 8081B

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	1806310P.D
Sampled:	02/08/16 14:10	Prepared:	02/16/16 07:04	Analyzed:	02/17/16 19:24
% Solids:	78.12	Preparation:	SW846 3545A	Initial/Final:	20.2561 g / 10 ml
Batch:	1602735	Sequence:	S601332	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	1.52	1.52	6.32	U
319-85-7	beta-BHC	1.79	1.79	6.32	U
319-86-8	delta-BHC	1.61	1.61	6.32	U
58-89-9	gamma-BHC (Lindane)	1.64	1.64	3.79	U
76-44-8	Heptachlor	1.66	1.66	6.32	U
309-00-2	Aldrin	1.72	1.72	6.32	U
1024-57-3	Heptachlor epoxide	6.46	1.44	6.32	
959-98-8	Endosulfan I	1.83	1.83	6.32	U
60-57-1	Dieldrin	32.0	1.44	6.32	
72-55-9	4,4'-DDE (p,p')	12.5	1.36	6.32	
72-20-8	Endrin	1.95	1.95	10.1	U
33213-65-9	Endosulfan II	1.87	1.87	10.1	U
72-54-8	4,4'-DDD (p,p')	1.81	1.81	10.1	U
1031-07-8	Endosulfan sulfate	1.99	1.99	10.1	U
50-29-3	4,4'-DDT (p,p')	8.41	1.47	10.1	J
72-43-5	Methoxychlor	1.95	1.95	10.1	U
53494-70-5	Endrin ketone	1.93	1.93	10.1	U
7421-93-4	Endrin aldehyde	1.76	1.76	10.1	U
5103-71-9	alpha-Chlordane	1.83	1.83	6.32	U
5566-34-7	gamma-Chlordane	1.66	1.66	6.32	U
8001-35-2	Toxaphene	55.0	55.0	126	U
57-74-9	Chlordane	23.5	23.5	25.3	U
15972-60-8	Alachlor	1.69	1.69	6.32	U

FORM I - ANALYSIS DATA SHEET
SW846 8081B

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	1806312P.D
Sampled:	02/08/16 14:47	Prepared:	02/22/16 06:56	Analyzed:	02/24/16 16:35
% Solids:	84.45	Preparation:	SW846 3545A	Initial/Final:	20.3702 g / 10 ml
Batch:	1603030	Sequence:	S601555	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	1.40	1.40	5.81	U
319-85-7	beta-BHC	1.65	1.65	5.81	U
319-86-8	delta-BHC	1.48	1.48	5.81	U
58-89-9	gamma-BHC (Lindane)	1.51	1.51	3.49	U
76-44-8	Heptachlor	1.53	1.53	5.81	U
309-00-2	Aldrin	1.58	1.58	5.81	U
1024-57-3	Heptachlor epoxide	1.61	1.61	5.81	U
959-98-8	Endosulfan I	1.68	1.68	5.81	U
60-57-1	Dieldrin	1.63	1.63	5.81	U
72-55-9	4,4'-DDE (p,p')	1.55	1.55	5.81	U
72-20-8	Endrin	1.80	1.80	9.30	U
33213-65-9	Endosulfan II	1.72	1.72	9.30	U
72-54-8	4,4'-DDD (p,p')	1.67	1.67	9.30	U
1031-07-8	Endosulfan sulfate	1.83	1.83	9.30	U
50-29-3	4,4'-DDT (p,p')	1.71	1.71	9.30	U
72-43-5	Methoxychlor	1.79	1.79	9.30	U
53494-70-5	Endrin ketone	1.77	1.77	9.30	U
7421-93-4	Endrin aldehyde	1.62	1.62	9.30	U
5103-71-9	alpha-Chlordane	1.68	1.68	5.81	U
5566-34-7	gamma-Chlordane	1.53	1.53	5.81	U
8001-35-2	Toxaphene	50.6	50.6	116	U
57-74-9	Chlordane	21.6	21.6	23.3	U
15972-60-8	Alachlor	1.55	1.55	5.81	U

lw-6/1/16

FORM I - ANALYSIS DATA SHEET

SW846 8081B

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	1806317P.D
Sampled:	02/09/16 08:57	Prepared:	02/16/16 07:04	Analyzed:	02/17/16 19:41
% Solids:	83.19	Preparation:	SW846 3545A	Initial/Final:	20.1364 g / 10 ml
Batch:	1602735	Sequence:	S601332	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	1.44	1.44	5.97	U
319-85-7	beta-BHC	1.69	1.69	5.97	U
319-86-8	delta-BHC	1.52	1.52	5.97	U
58-89-9	gamma-BHC (Lindane)	1.55	1.55	3.58	U
76-44-8	Heptachlor	1.57	1.57	5.97	U
309-00-2	Aldrin	1.62	1.62	5.97	U
1024-57-3	Heptachlor epoxide	1.65	1.65	5.97	U
959-98-8	Endosulfan I	1.73	1.73	5.97	U
60-57-1	Dieldrin	1.67	1.67	5.97	U
72-55-9	4,4'-DDE (p,p')	1.60	1.60	5.97	U
72-20-8	Endrin	1.84	1.84	9.55	U
33213-65-9	Endosulfan II	1.77	1.77	9.55	U
72-54-8	4,4'-DDD (p,p')	1.71	1.71	9.55	U
1031-07-8	Endosulfan sulfate	1.88	1.88	9.55	U
50-29-3	4,4'-DDT (p,p')	1.75	1.75	9.55	U
72-43-5	Methoxychlor	1.84	1.84	9.55	U
53494-70-5	Endrin ketone	1.82	1.82	9.55	U
7421-93-4	Endrin aldehyde	1.66	1.66	9.55	U
5103-71-9	alpha-Chlordane	1.73	1.73	5.97	U
5566-34-7	gamma-Chlordane	1.57	1.57	5.97	U
8001-35-2	Toxaphene	52.0	52.0	119	U
57-74-9	Chlordane	22.2	22.2	23.9	U
15972-60-8	Alachlor	1.60	1.60	5.97	U

FORM I - ANALYSIS DATA SHEET
SW846 8081B

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	1806318P.D
Sampled:	02/09/16 08:55	Prepared:	02/22/16 06:56	Analyzed:	02/24/16 14:56
% Solids:	96.87	Preparation:	SW846 3545A	Initial/Final:	20.0066 g / 10 ml
Batch:	1603030	Sequence:	S601555	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	1.24	1.24	5.16	U
319-85-7	beta-BHC	1.46	1.46	5.16	U
319-86-8	delta-BHC	1.31	1.31	5.16	U
58-89-9	gamma-BHC (Lindane)	1.34	1.34	3.10	U
76-44-8	Heptachlor	1.35	1.35	5.16	U
309-00-2	Aldrin	1.40	1.40	5.16	U
1024-57-3	Heptachlor epoxide	1.43	1.43	5.16	U
959-98-8	Endosulfan I	1.49	1.49	5.16	U
60-57-1	Dieldrin	1.44	1.44	5.16	U
72-55-9	4,4'-DDE (p,p')	1.38	1.38	5.16	U
72-20-8	Endrin	1.59	1.59	8.26	U
33213-65-9	Endosulfan II	1.53	1.53	8.26	U
72-54-8	4,4'-DDD (p,p')	1.48	1.48	8.26	U
1031-07-8	Endosulfan sulfate	1.63	1.63	8.26	U
50-29-3	4,4'-DDT (p,p')	1.51	1.51	8.26	U
72-43-5	Methoxychlor	1.59	1.59	8.26	U
53494-70-5	Endrin ketone	1.57	1.57	8.26	U
7421-93-4	Endrin aldehyde	1.44	1.44	8.26	U
5103-71-9	alpha-Chlordane	1.49	1.49	5.16	U
5566-34-7	gamma-Chlordane	1.36	1.36	5.16	U
8001-35-2	Toxaphene	44.9	44.9	103	U
57-74-9	Chlordane	19.2	19.2	20.6	U
15972-60-8	Alachlor	1.38	1.38	5.16	U

lw-6/1/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	1806319P.D
Sampled:	02/09/16 10:15	Prepared:	02/16/16 07:04	Analyzed:	02/17/16 19:58
% Solids:	82.80	Preparation:	SW846 3545A	Initial/Final:	20.1353 g / 10 ml
Batch:	1602735	Sequence:	S601332	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	1.44	1.44	6.00	U
319-85-7	beta-BHC	1.70	1.70	6.00	U
319-86-8	delta-BHC	1.53	1.53	6.00	U
58-89-9	gamma-BHC (Lindane)	1.56	1.56	3.60	U
76-44-8	Heptachlor	1.57	1.57	6.00	U
309-00-2	Aldrin	1.63	1.63	6.00	U
1024-57-3	Heptachlor epoxide	1.66	1.66	6.00	U
959-98-8	Endosulfan I	1.74	1.74	6.00	U
60-57-1	Dieldrin	1.68	1.68	6.00	U
72-55-9	4,4'-DDE (p,p')	1.51	1.29	6.00	J
72-20-8	Endrin	1.85	1.85	9.60	U
33213-65-9	Endosulfan II	1.78	1.78	9.60	U
72-54-8	4,4'-DDD (p,p')	1.72	1.72	9.60	U
1031-07-8	Endosulfan sulfate	1.89	1.89	9.60	U
50-29-3	4,4'-DDT (p,p')	1.81	1.39	9.60	JP
72-43-5	Methoxychlor	1.85	1.85	9.60	U
53494-70-5	Endrin ketone	1.83	1.83	9.60	U
7421-93-4	Endrin aldehyde	1.67	1.67	9.60	U
5103-71-9	alpha-Chlordane	1.74	1.74	6.00	U
5566-34-7	gamma-Chlordane	1.58	1.58	6.00	U
8001-35-2	Toxaphene	52.2	52.2	120	U
57-74-9	Chlordane	22.3	22.3	24.0	U
15972-60-8	Alachlor	1.60	1.60	6.00	U

lw-6/1/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	1806320P.D
Sampled:	02/09/16 10:15	Prepared:	02/16/16 07:04	Analyzed:	02/17/16 20:16
% Solids:	81.31	Preparation:	SW846 3545A	Initial/Final:	20.0163 g / 10 ml
Batch:	1602735	Sequence:	S601332	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	1.48	1.48	6.14	U
319-85-7	beta-BHC	1.74	1.74	6.14	U
319-86-8	delta-BHC	1.56	1.56	6.14	U
58-89-9	gamma-BHC (Lindane)	1.59	1.59	3.69	U
76-44-8	Heptachlor	1.61	1.61	6.14	U
309-00-2	Aldrin	1.67	1.67	6.14	U
1024-57-3	Heptachlor epoxide	1.70	1.70	6.14	U
959-98-8	Endosulfan I	1.78	1.78	6.14	U
60-57-1	Dieldrin	1.72	1.72	6.14	U
72-55-9	4,4'-DDE (p,p')	1.33	1.32	6.14	JP
72-20-8	Endrin	1.90	1.90	9.83	U
33213-65-9	Endosulfan II	1.82	1.82	9.83	U
72-54-8	4,4'-DDD (p,p')	1.76	1.76	9.83	U
1031-07-8	Endosulfan sulfate	1.94	1.94	9.83	U
50-29-3	4,4'-DDT (p,p')	3.27	1.80	9.83	J
72-43-5	Methoxychlor	1.89	1.89	9.83	U
53494-70-5	Endrin ketone	1.87	1.87	9.83	U
7421-93-4	Endrin aldehyde	1.71	1.71	9.83	U
5103-71-9	alpha-Chlordane	1.78	1.78	6.14	U
5566-34-7	gamma-Chlordane	1.61	1.61	6.14	U
8001-35-2	Toxaphene	53.5	53.5	123	U
57-74-9	Chlordane	22.9	22.9	24.6	U
15972-60-8	Alachlor	1.64	1.64	6.14	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	C1806302.D		
Sampled:	02/08/16 11:20	Prepared:	02/12/16 06:49	Analyzed:	02/16/16 03:54		
% Solids:	80.33	Preparation:	SW846 3550C	Initial/Final:	15.3269 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.6	9.6	32.4	U
68476-30-2	Fuel Oil #2	7.6	7.6	32.4	U
68476-31-3	Fuel Oil #4	3.2	3.2	32.4	U
68553-00-4	Fuel Oil #6	10.6	10.6	32.4	U
M09800000	Motor Oil	10.3	10.3	32.4	U
8032-32-4	Ligroin	8.1	8.1	32.4	U
J00100000	Aviation Fuel	8.1	8.1	32.4	U
HydraulicOil	Hydraulic Oil	3.2	3.2	32.4	U
DielectricFluid	Dielectric Fluid	8.1	8.1	32.4	U
Unidentified (Spe	Unidentified	1040	8.1	32.4	J
Other Oil (Spectr	Other Oil	3.2	3.2	32.4	U
PH(TOT)	Total Petroleum Hydrocarbons	1040	3.2	32.4	J

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

004-SS-2 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-04	File ID:	C1806304.D		
Sampled:	02/08/16 12:05	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 23:29		
% Solids:	81.67	Preparation:	SW846 3550C	Initial/Final:	15.5867 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.2	9.2	31.3	U
68476-30-2	Fuel Oil #2	7.4	7.4	31.3	U
68476-31-3	Fuel Oil #4	3.1	3.1	31.3	U
68553-00-4	Fuel Oil #6	10.3	10.3	31.3	U
M09800000	Motor Oil	10.0	10.0	31.3	U
8032-32-4	Ligroin	7.8	7.8	31.3	U
J00100000	Aviation Fuel	7.8	7.8	31.3	U
HydraulicOil	Hydraulic Oil	3.1	3.1	31.3	U
DielectricFluid	Dielectric Fluid	7.8	7.8	31.3	U
Unidentified (Spe	Unidentified	91.4	7.8	31.3	
Other Oil (Spectr	Other Oil	3.1	3.1	31.3	
PH(TOT)	Total Petroleum Hydrocarbons	91.4	3.1	31.3	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

005-SS-1 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-05	File ID:	C1806305.D		
Sampled:	02/08/16 12:20	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 23:51		
% Solids:	84.86	Preparation:	SW846 3550C	Initial/Final:	15.2936 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.1	9.1	30.7	U
68476-30-2	Fuel Oil #2	7.2	7.2	30.7	U
68476-31-3	Fuel Oil #4	3.1	3.1	30.7	U
68553-00-4	Fuel Oil #6	10.1	10.1	30.7	U
M09800000	Motor Oil	9.8	9.8	30.7	U
8032-32-4	Ligroin	7.7	7.7	30.7	U
J00100000	Aviation Fuel	7.7	7.7	30.7	U
HydraulicOil	Hydraulic Oil	3.1	3.1	30.7	U
DielectricFluid	Dielectric Fluid	7.7	7.7	30.7	U
Unidentified (Spe	Unidentified	80.6	7.7	30.7	
Other Oil (Spectr	Other Oil	3.1	3.1	30.7	
PH(TOT)	Total Petroleum Hydrocarbons	80.6	3.1	30.7	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

007-SS-4 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-07	File ID:	C1806307.D		
Sampled:	02/08/16 13:19	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 19:27		
% Solids:	77.84	Preparation:	SW846 3550C	Initial/Final:	15.3245 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.9	9.9	33.4	U
68476-30-2	Fuel Oil #2	7.9	7.9	33.4	U
68476-31-3	Fuel Oil #4	3.3	3.3	33.4	U
68553-00-4	Fuel Oil #6	11.0	11.0	33.4	U
M09800000	Motor Oil	10.7	10.7	33.4	U
8032-32-4	Ligroin	8.4	8.4	33.4	U
J00100000	Aviation Fuel	8.4	8.4	33.4	U
HydraulicOil	Hydraulic Oil	3.3	3.3	33.4	U
DielectricFluid	Dielectric Fluid	8.4	8.4	33.4	U
Unidentified (Spe	Unidentified	8.4	8.4	33.4	U
Other Oil (Spectr	Other Oil	3.3	3.3	33.4	U
PH(TOT)	Total Petroleum Hydrocarbons	21.5	3.3	33.4	J

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

008-SS-4 (1.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-08	File ID:	C1806308.D		
Sampled:	02/08/16 13:30	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 19:49		
% Solids:	82.20	Preparation:	SW846 3550C	Initial/Final:	15.4212 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.3	9.3	31.5	U
68476-30-2	Fuel Oil #2	7.4	7.4	31.5	U
68476-31-3	Fuel Oil #4	3.1	3.1	31.5	U
68553-00-4	Fuel Oil #6	10.3	10.3	31.5	U
M09800000	Motor Oil	10.0	10.0	31.5	U
8032-32-4	Ligroin	7.9	7.9	31.5	U
J00100000	Aviation Fuel	7.9	7.9	31.5	U
HydraulicOil	Hydraulic Oil	3.1	3.1	31.5	U
DielectricFluid	Dielectric Fluid	7.9	7.9	31.5	U
Unidentified (Spe	Unidentified	7.9	7.9	31.5	U
Other Oil (Spectr	Other Oil	3.1	3.1	31.5	U
PH(TOT)	Total Petroleum Hydrocarbons	16.6	3.1	31.5	J

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

011-SS-10 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-11	File ID:	C1806311.D		
Sampled:	02/08/16 14:30	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 21:17		
% Solids:	81.11	Preparation:	SW846 3550C	Initial/Final:	15.1882 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.5	9.5	32.4	U
68476-30-2	Fuel Oil #2	7.6	7.6	32.4	U
68476-31-3	Fuel Oil #4	3.2	3.2	32.4	U
68553-00-4	Fuel Oil #6	10.6	10.6	32.4	U
M09800000	Motor Oil	10.3	10.3	32.4	U
8032-32-4	Ligroin	8.1	8.1	32.4	U
J00100000	Aviation Fuel	8.1	8.1	32.4	U
HydraulicOil	Hydraulic Oil	3.2	3.2	32.4	U
DielectricFluid	Dielectric Fluid	8.1	8.1	32.4	U
Unidentified (Spe	Unidentified	56.0	8.1	32.4	
Other Oil (Spectr	Other Oil	3.2	3.2	32.4	
PH(TOT)	Total Petroleum Hydrocarbons	56.0	3.2	32.4	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	C1806312.D		
Sampled:	02/08/16 14:47	Prepared:	02/12/16 06:49	Analyzed:	02/16/16 02:48		
% Solids:	84.45	Preparation:	SW846 3550C	Initial/Final:	15.3614 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	5				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	45.3	45.3	154	U
68476-30-2	Fuel Oil #2	36.2	36.2	154	U
68476-31-3	Fuel Oil #4	15.4	15.4	154	U
68553-00-4	Fuel Oil #6	50.5	50.5	154	U
M09800000	Motor Oil	49.1	49.1	154	U
8032-32-4	Ligroin	38.4	38.4	154	U
J00100000	Aviation Fuel	38.4	38.4	154	U
HydraulicOil	Hydraulic Oil	15.4	15.4	154	U
DielectricFluid	Dielectric Fluid	38.4	38.4	154	U
Unidentified (Spe	Unidentified	5760	38.4	154	J
Other Oil (Spectr	Other Oil	15.4	15.4	154	U
PH(TOT)	Total Petroleum Hydrocarbons	5760	15.4	154	J

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

013-SS-9 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-13	File ID:	C1806313.D		
Sampled:	02/08/16 15:12	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 21:39		
% Solids:	82.23	Preparation:	SW846 3550C	Initial/Final:	15.0358 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.5	9.5	32.3	U
68476-30-2	Fuel Oil #2	7.6	7.6	32.3	U
68476-31-3	Fuel Oil #4	3.2	3.2	32.3	U
68553-00-4	Fuel Oil #6	10.6	10.6	32.3	U
M09800000	Motor Oil	10.3	10.3	32.3	U
8032-32-4	Ligroin	8.1	8.1	32.3	U
J00100000	Aviation Fuel	8.1	8.1	32.3	U
HydraulicOil	Hydraulic Oil	3.2	3.2	32.3	U
DielectricFluid	Dielectric Fluid	8.1	8.1	32.3	U
Unidentified (Spe	Unidentified	138	8.1	32.3	
Other Oil (Spectr	Other Oil	3.2	3.2	32.3	
PH(TOT)	Total Petroleum Hydrocarbons	138	3.2	32.3	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

014-TB-P (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-14	File ID:	C1806314.D		
Sampled:	02/08/16 15:25	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 20:11		
% Solids:	84.65	Preparation:	SW846 3550C	Initial/Final:	15.4201 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.0	9.0	30.6	U
68476-30-2	Fuel Oil #2	7.2	7.2	30.6	U
68476-31-3	Fuel Oil #4	3.1	3.1	30.6	U
68553-00-4	Fuel Oil #6	10.0	10.0	30.6	U
M09800000	Motor Oil	9.8	9.8	30.6	U
8032-32-4	Ligroin	7.6	7.6	30.6	U
J00100000	Aviation Fuel	7.6	7.6	30.6	U
HydraulicOil	Hydraulic Oil	3.1	3.1	30.6	U
DielectricFluid	Dielectric Fluid	7.6	7.6	30.6	U
Unidentified (Spe	Unidentified	38.9	7.6	30.6	
Other Oil (Spectr	Other Oil	3.1	3.1	30.6	
PH(TOT)	Total Petroleum Hydrocarbons	38.9	3.1	30.6	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

015-SS-8 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-15	File ID:	C1806315.D		
Sampled:	02/08/16 15:40	Prepared:	02/12/16 06:49	Analyzed:	02/16/16 02:26		
% Solids:	82.97	Preparation:	SW846 3550C	Initial/Final:	15.4853 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	5				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	45.8	45.8	155	U
68476-30-2	Fuel Oil #2	36.6	36.6	155	U
68476-31-3	Fuel Oil #4	15.5	15.5	155	U
68553-00-4	Fuel Oil #6	51.0	51.0	155	U
M09800000	Motor Oil	49.5	49.5	155	U
8032-32-4	Ligroin	38.8	38.8	155	U
J00100000	Aviation Fuel	38.8	38.8	155	U
HydraulicOil	Hydraulic Oil	15.5	15.5	155	U
DielectricFluid	Dielectric Fluid	38.8	38.8	155	U
Unidentified (Spe	Unidentified	219	38.8	155	
Other Oil (Spectr	Other Oil	15.5	15.5	155	
PH(TOT)	Total Petroleum Hydrocarbons	219	15.5	155	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	C1806317.D		
Sampled:	02/09/16 08:57	Prepared:	02/12/16 06:49	Analyzed:	02/16/16 00:13		
% Solids:	83.19	Preparation:	SW846 3550C	Initial/Final:	15.4495 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.2	9.2	31.0	U
68476-30-2	Fuel Oil #2	7.3	7.3	31.0	U
68476-31-3	Fuel Oil #4	3.1	3.1	31.0	U
68553-00-4	Fuel Oil #6	10.2	10.2	31.0	U
M09800000	Motor Oil	9.9	9.9	31.0	U
8032-32-4	Ligroin	7.8	7.8	31.0	U
J00100000	Aviation Fuel	7.8	7.8	31.0	U
HydraulicOil	Hydraulic Oil	3.1	3.1	31.0	U
DielectricFluid	Dielectric Fluid	7.8	7.8	31.0	U
Unidentified (Spe	Unidentified	125	7.8	31.0	
Other Oil (Spectr	Other Oil	3.1	3.1	31.0	
PH(TOT)	Total Petroleum Hydrocarbons	125	3.1	31.0	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	C1806318.D		
Sampled:	02/09/16 08:55	Prepared:	02/12/16 06:49	Analyzed:	02/16/16 03:10		
% Solids:	96.87	Preparation:	SW846 3550C	Initial/Final:	15.2018 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	5				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	39.9	39.9	135	U
68476-30-2	Fuel Oil #2	31.9	31.9	135	U
68476-31-3	Fuel Oil #4	13.5	13.5	135	U
68553-00-4	Fuel Oil #6	44.5	44.5	135	U
M09800000	Motor Oil	43.2	43.2	135	U
8032-32-4	Ligroin	33.9	33.9	135	U
J00100000	Aviation Fuel	33.9	33.9	135	U
HydraulicOil	Hydraulic Oil	13.5	13.5	135	U
DielectricFluid	Dielectric Fluid	33.9	33.9	135	U
Unidentified (Spe	Unidentified	1830	33.9	135	
Other Oil (Spectr	Other Oil	13.5	13.5	135	
PH(TOT)	Total Petroleum Hydrocarbons	1830	13.5	135	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	C1806319.D		
Sampled:	02/09/16 10:15	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 22:01		
% Solids:	82.80	Preparation:	SW846 3550C	Initial/Final:	15.117 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.4	9.4	31.9	U
68476-30-2	Fuel Oil #2	7.5	7.5	31.9	U
68476-31-3	Fuel Oil #4	3.2	3.2	31.9	U
68553-00-4	Fuel Oil #6	10.5	10.5	31.9	U
M09800000	Motor Oil	10.2	10.2	31.9	U
8032-32-4	Ligroin	8.0	8.0	31.9	U
J00100000	Aviation Fuel	8.0	8.0	31.9	U
HydraulicOil	Hydraulic Oil	3.2	3.2	31.9	U
DielectricFluid	Dielectric Fluid	8.0	8.0	31.9	U
Unidentified (Spe	Unidentified	100	8.0	31.9	
Other Oil (Spectr	Other Oil	3.2	3.2	31.9	
PH(TOT)	Total Petroleum Hydrocarbons	100	3.2	31.9	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	C1806320.D		
Sampled:	02/09/16 10:15	Prepared:	02/12/16 06:49	Analyzed:	02/16/16 00:35		
% Solids:	81.31	Preparation:	SW846 3550C	Initial/Final:	15.1476 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.5	9.5	32.4	U
68476-30-2	Fuel Oil #2	7.6	7.6	32.4	U
68476-31-3	Fuel Oil #4	3.2	3.2	32.4	U
68553-00-4	Fuel Oil #6	10.6	10.6	32.4	U
M09800000	Motor Oil	10.3	10.3	32.4	U
8032-32-4	Ligroin	8.1	8.1	32.4	U
J00100000	Aviation Fuel	8.1	8.1	32.4	U
HydraulicOil	Hydraulic Oil	3.2	3.2	32.4	U
DielectricFluid	Dielectric Fluid	8.1	8.1	32.4	U
Unidentified (Spe	Unidentified	212	8.1	32.4	
Other Oil (Spectr	Other Oil	3.2	3.2	32.4	
PH(TOT)	Total Petroleum Hydrocarbons	212	3.2	32.4	

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

020-SS-6 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-21	File ID:	C1806321.D		
Sampled:	02/09/16 10:50	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 22:23		
% Solids:	82.66	Preparation:	SW846 3550C	Initial/Final:	15.1564 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.4	9.4	31.8	U
68476-30-2	Fuel Oil #2	7.5	7.5	31.8	U
68476-31-3	Fuel Oil #4	3.2	3.2	31.8	U
68553-00-4	Fuel Oil #6	10.5	10.5	31.8	U
M09800000	Motor Oil	10.2	10.2	31.8	U
8032-32-4	Ligroin	8.0	8.0	31.8	U
J00100000	Aviation Fuel	8.0	8.0	31.8	U
HydraulicOil	Hydraulic Oil	3.2	3.2	31.8	U
DielectricFluid	Dielectric Fluid	8.0	8.0	31.8	U
Unidentified (Spe	Unidentified	69.3	8.0	31.8	
Other Oil (Spectr	Other Oil	3.2	3.2	31.8	
PH(TOT)	Total Petroleum Hydrocarbons	69.3	3.2	31.8	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

021-SS-7 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-22	File ID:	C1806322.D		
Sampled:	02/09/16 11:35	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 22:45		
% Solids:	83.94	Preparation:	SW846 3550C	Initial/Final:	15.24 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.2	9.2	31.2	U
68476-30-2	Fuel Oil #2	7.3	7.3	31.2	U
68476-31-3	Fuel Oil #4	3.1	3.1	31.2	U
68553-00-4	Fuel Oil #6	10.2	10.2	31.2	U
M09800000	Motor Oil	10.0	10.0	31.2	U
8032-32-4	Ligroin	7.8	7.8	31.2	U
J00100000	Aviation Fuel	7.8	7.8	31.2	U
HydraulicOil	Hydraulic Oil	3.1	3.1	31.2	U
DielectricFluid	Dielectric Fluid	7.8	7.8	31.2	U
Unidentified (Spe	Unidentified	207	7.8	31.2	
Other Oil (Spectr	Other Oil	3.1	3.1	31.2	
PH(TOT)	Total Petroleum Hydrocarbons	207	3.1	31.2	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	C1806323.D		
Sampled:	02/09/16 11:40	Prepared:	02/12/16 06:49	Analyzed:	02/16/16 04:16		
% Solids:	81.88	Preparation:	SW846 3550C	Initial/Final:	15.3381 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.4	9.4	31.8	U
68476-30-2	Fuel Oil #2	7.5	7.5	31.8	U
68476-31-3	Fuel Oil #4	3.2	3.2	31.8	U
68553-00-4	Fuel Oil #6	10.4	10.4	31.8	U
M09800000	Motor Oil	10.1	10.1	31.8	U
8032-32-4	Ligroin	7.9	7.9	31.8	U
J00100000	Aviation Fuel	7.9	7.9	31.8	U
HydraulicOil	Hydraulic Oil	3.2	3.2	31.8	U
DielectricFluid	Dielectric Fluid	7.9	7.9	31.8	U
Unidentified (Spe	Unidentified	1450	7.9	31.8	
Other Oil (Spectr	Other Oil	3.2	3.2	31.8	
PH(TOT)	Total Petroleum Hydrocarbons	1450	3.2	31.8	

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	C1806324.D		
Sampled:	02/09/16 13:45	Prepared:	02/12/16 06:49	Analyzed:	02/15/16 23:07		
% Solids:	84.15	Preparation:	SW846 3550C	Initial/Final:	15.0275 g / 2 ml		
Batch:	1602576	Sequence:	S601247	Calibration:	1601046	Instrument:	HPS16
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/kg dry)	MDL	MRL	Q
8006-61-9	Gasoline	9.3	9.3	31.6	U
68476-30-2	Fuel Oil #2	7.4	7.4	31.6	U
68476-31-3	Fuel Oil #4	3.2	3.2	31.6	U
68553-00-4	Fuel Oil #6	10.4	10.4	31.6	U
M09800000	Motor Oil	10.1	10.1	31.6	U
8032-32-4	Ligroin	7.9	7.9	31.6	U
J00100000	Aviation Fuel	7.9	7.9	31.6	U
HydraulicOil	Hydraulic Oil	3.2	3.2	31.6	U
DielectricFluid	Dielectric Fluid	7.9	7.9	31.6	U
Unidentified (Spe	Unidentified	97.1	7.9	31.6	
Other Oil (Spectr	Other Oil	3.2	3.2	31.6	
PH(TOT)	Total Petroleum Hydrocarbons	97.1	3.2	31.6	

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8100Mod.

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/10/16 11:06		
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	C1806325.D		
Sampled:	02/09/16 15:05	Prepared:	02/16/16 06:52	Analyzed:	02/17/16 13:01		
% Solids:		Preparation:	SW846 3510C	Initial/Final:	970 ml / 2 ml		
Batch:	1602731	Sequence:	S601316	Calibration:	1602024	Instrument:	HPS15
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (mg/l)	MDL	MRL	Q
8006-61-9	Gasoline	0.1	0.1	0.2	U
68476-30-2	Fuel Oil #2	0.08	0.08	0.2	U
68476-31-3	Fuel Oil #4	0.02	0.02	0.2	U
68553-00-4	Fuel Oil #6	0.09	0.09	0.2	U
M09800000	Motor Oil	0.1	0.1	0.2	U
8032-32-4	Ligroin	0.05	0.05	0.2	U
J00100000	Aviation Fuel	0.05	0.05	0.2	U
HydraulicOil	Hydraulic Oil	0.02	0.02	0.2	U
DielectricFluid	Dielectric Fluid	0.05	0.05	0.2	U
Unidentified (Spe	Unidentified	0.05	0.05	0.2	U
Other Oil (Spectr	Other Oil	0.02	0.02	0.2	U
PH(TOT)	Total Petroleum Hydrocarbons	0.02	0.02	0.2	U

lw-6/1/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	20160219-128
Sampled:	02/08/16 11:20	Prepared:	02/16/16 15:15		
% Solids:	80.33	Preparation:	SW846 3050B	Initial/Final:	1.0542 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	404	1	0.546	1.77	
7439-95-4	Magnesium	4360	1	2.42	590	
7439-96-5	Manganese	210	1	0.374	1.18	
7440-02-0	Nickel	18.6	1	0.217	1.18	
7440-09-7	Potassium	1180	1	8.98	59.0	
7782-49-2	Selenium	0.471	1	0.471	1.77	U
7440-23-5	Sodium	85.9	1	7.28	29.5	
7440-66-6	Zinc	219	1	0.489	1.18	
7429-90-5	Aluminum	7810	1	1.58	5.90	
7440-36-0	Antimony	1.15	1	0.877	5.90	J
7440-38-2	Arsenic	9.98	1	0.474	1.77	
7440-39-3	Barium	171	1	0.429	1.18	
7440-41-7	Beryllium	0.389	1	0.171	0.590	J
7440-43-9	Cadmium	0.848	1	0.139	0.590	
7440-70-2	Calcium	10600	1	10.9	590	
7440-47-3	Chromium	40.8	1	0.351	1.18	
7440-48-4	Cobalt	6.75	1	0.320	1.18	
7440-50-8	Copper	335	1	0.372	1.18	
7439-89-6	Iron	12000	1	1.71	590	
7440-22-4	Silver	0.850	1	0.522	1.77	J
7440-28-0	Thallium	0.912	1	0.912	3.54	U
7440-62-2	Vanadium	16.2	1	0.576	1.77	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	20160219-129
Sampled:	02/08/16 11:55	Prepared:	02/16/16 15:15		
% Solids:	76.17	Preparation:	SW846 3050B	Initial/Final:	1.0919 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	59.7	1	0.555	1.80	
7439-95-4	Magnesium	3910	1	2.46	601	
7439-96-5	Manganese	156	1	0.381	1.20	
7440-02-0	Nickel	9.97	1	0.221	1.20	
7440-09-7	Potassium	1470	1	9.14	60.1	
7782-49-2	Selenium	0.480	1	0.480	1.80	U
7440-23-5	Sodium	111	1	7.41	30.1	
7440-66-6	Zinc	80.6	1	0.498	1.20	
7429-90-5	Aluminum	7910	1	1.61	6.01	
7440-36-0	Antimony	0.893	1	0.893	6.01	U
7440-38-2	Arsenic	4.02	1	0.482	1.80	
7440-39-3	Barium	75.1	1	0.436	1.20	
7440-41-7	Beryllium	0.400	1	0.174	0.601	J
7440-43-9	Cadmium	0.469	1	0.142	0.601	
7440-70-2	Calcium	17300	1	11.1	601	
7440-47-3	Chromium	12.6	1	0.357	1.20	
7440-48-4	Cobalt	3.64	1	0.326	1.20	
7440-50-8	Copper	28.3	1	0.379	1.20	
7439-89-6	Iron	8710	1	1.74	601	
7440-22-4	Silver	0.531	1	0.531	1.80	U
7440-28-0	Thallium	0.928	1	0.928	3.61	U
7440-62-2	Vanadium	15.2	1	0.587	1.80	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	20160219-130
Sampled:	02/08/16 13:12	Prepared:	02/16/16 15:15		
% Solids:	76.32	Preparation:	SW846 3050B	Initial/Final:	1.0367 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	49.4	1	0.584	1.90	
7439-95-4	Magnesium	1950	1	2.59	632	
7439-96-5	Manganese	202	1	0.401	1.26	
7440-02-0	Nickel	12.9	1	0.233	1.26	
7440-09-7	Potassium	981	1	9.61	63.2	
7782-49-2	Selenium	0.504	1	0.504	1.90	U
7440-23-5	Sodium	57.8	1	7.79	31.6	
7440-66-6	Zinc	84.2	1	0.523	1.26	
7429-90-5	Aluminum	8350	1	1.69	6.32	
7440-36-0	Antimony	0.939	1	0.939	6.32	U
7440-38-2	Arsenic	6.41	1	0.507	1.90	
7440-39-3	Barium	50.9	1	0.459	1.26	
7440-41-7	Beryllium	0.478	1	0.183	0.632	J
7440-43-9	Cadmium	0.593	1	0.149	0.632	J
7440-70-2	Calcium	3350	1	11.7	632	
7440-47-3	Chromium	14.6	1	0.375	1.26	
7440-48-4	Cobalt	5.10	1	0.342	1.26	
7440-50-8	Copper	44.3	1	0.398	1.26	
7439-89-6	Iron	12300	1	1.83	632	
7440-22-4	Silver	0.559	1	0.559	1.90	U
7440-28-0	Thallium	0.976	1	0.976	3.79	U
7440-62-2	Vanadium	15.8	1	0.617	1.90	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

007-SS-4 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-07	File ID:	20160219-131
Sampled:	02/08/16 13:19	Prepared:	02/16/16 15:15		
% Solids:	77.84	Preparation:	SW846 3050B	Initial/Final:	1.08 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	37.7	1	0.550	1.78	
7439-95-4	Magnesium	4110	1	2.43	595	
7439-96-5	Manganese	266	1	0.377	1.19	
7440-02-0	Nickel	16.5	1	0.219	1.19	
7440-09-7	Potassium	959	1	9.05	59.5	
7782-49-2	Selenium	0.475	1	0.475	1.78	U
7440-23-5	Sodium	80.6	1	7.33	29.7	
7440-66-6	Zinc	69.6	1	0.492	1.19	
7429-90-5	Aluminum	7320	1	1.59	5.95	
7440-36-0	Antimony	0.884	1	0.884	5.95	U
7440-38-2	Arsenic	4.82	1	0.477	1.78	
7440-39-3	Barium	51.5	1	0.432	1.19	
7440-41-7	Beryllium	0.380	1	0.172	0.595	J
7440-43-9	Cadmium	0.557	1	0.140	0.595	
7440-70-2	Calcium	9650	1	11.0	595	
7440-47-3	Chromium	20.0	1	0.353	1.19	
7440-48-4	Cobalt	5.35	1	0.322	1.19	
7440-50-8	Copper	39.9	1	0.375	1.19	
7439-89-6	Iron	12100	1	1.72	595	
7440-22-4	Silver	0.526	1	0.526	1.78	U
7440-28-0	Thallium	0.918	1	0.918	3.57	U
7440-62-2	Vanadium	14.9	1	0.580	1.78	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

008-SS-4 (1.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-08	File ID:	20160219-132
Sampled:	02/08/16 13:30	Prepared:	02/16/16 15:15		
% Solids:	82.20	Preparation:	SW846 3050B	Initial/Final:	1.0654 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	22.8	1	0.528	1.71	
7439-95-4	Magnesium	1950	1	2.34	571	
7439-96-5	Manganese	228	1	0.362	1.14	
7440-02-0	Nickel	12.1	1	0.210	1.14	
7440-09-7	Potassium	788	1	8.69	57.1	
7782-49-2	Selenium	0.456	1	0.456	1.71	U
7440-23-5	Sodium	75.4	1	7.04	28.5	
7440-66-6	Zinc	70.0	1	0.473	1.14	
7429-90-5	Aluminum	6500	1	1.53	5.71	
7440-36-0	Antimony	0.848	1	0.848	5.71	U
7440-38-2	Arsenic	6.32	1	0.458	1.71	
7440-39-3	Barium	46.4	1	0.415	1.14	
7440-41-7	Beryllium	0.463	1	0.166	0.571	J
7440-43-9	Cadmium	0.565	1	0.135	0.571	J
7440-70-2	Calcium	3820	1	10.5	571	
7440-47-3	Chromium	10.1	1	0.339	1.14	
7440-48-4	Cobalt	5.33	1	0.309	1.14	
7440-50-8	Copper	19.1	1	0.360	1.14	
7439-89-6	Iron	12800	1	1.65	571	
7440-22-4	Silver	0.505	1	0.505	1.71	U
7440-28-0	Thallium	0.882	1	0.882	3.43	U
7440-62-2	Vanadium	14.3	1	0.557	1.71	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	20160219-136
Sampled:	02/08/16 13:55	Prepared:	02/16/16 15:15		
% Solids:	82.40	Preparation:	SW846 3050B	Initial/Final:	1.1669 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	15.7	1	0.480	1.56	
7439-95-4	Magnesium	9220	10	21.3	5200	
7439-96-5	Manganese	264	1	0.330	1.04	
7440-02-0	Nickel	12.8	1	0.191	1.04	
7440-09-7	Potassium	1620	1	7.91	52.0	
7782-49-2	Selenium	0.415	1	0.415	1.56	U
7440-23-5	Sodium	104	1	6.41	26.0	
7440-66-6	Zinc	56.2	1	0.431	1.04	
7429-90-5	Aluminum	6080	1	1.39	5.20	
7440-36-0	Antimony	0.773	1	0.773	5.20	U
7440-38-2	Arsenic	3.99	1	0.417	1.56	
7440-39-3	Barium	43.6	1	0.378	1.04	
7440-41-7	Beryllium	0.279	1	0.151	0.520	J
7440-43-9	Cadmium	0.516	1	0.123	0.520	J
7440-70-2	Calcium	22800	1	9.60	520	
7440-47-3	Chromium	11.1	1	0.309	1.04	
7440-48-4	Cobalt	4.51	1	0.282	1.04	
7440-50-8	Copper	18.1	1	0.328	1.04	
7439-89-6	Iron	10200	1	1.50	520	
7440-22-4	Silver	0.460	1	0.460	1.56	U
7440-28-0	Thallium	0.803	1	0.803	3.12	U
7440-62-2	Vanadium	13.3	1	0.508	1.56	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	20160219-137
Sampled:	02/08/16 14:10	Prepared:	02/16/16 15:15		
% Solids:	78.12	Preparation:	SW846 3050B	Initial/Final:	1.0534 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	37.9	1	0.561	1.82	
7439-95-4	Magnesium	5220	1	2.49	608	
7439-96-5	Manganese	220	1	0.385	1.22	
7440-02-0	Nickel	10.8	1	0.224	1.22	
7440-09-7	Potassium	1390	1	9.24	60.8	
7782-49-2	Selenium	0.485	1	0.485	1.82	U
7440-23-5	Sodium	95.2	1	7.49	30.4	
7440-66-6	Zinc	98.5	1	0.503	1.22	
7429-90-5	Aluminum	7270	1	1.63	6.08	
7440-36-0	Antimony	0.903	1	0.903	6.08	U
7440-38-2	Arsenic	3.72	1	0.487	1.82	
7440-39-3	Barium	54.9	1	0.441	1.22	
7440-41-7	Beryllium	0.301	1	0.176	0.608	J
7440-43-9	Cadmium	0.527	1	0.143	0.608	J
7440-70-2	Calcium	15700	1	11.2	608	
7440-47-3	Chromium	14.4	1	0.361	1.22	
7440-48-4	Cobalt	4.26	1	0.329	1.22	
7440-50-8	Copper	23.8	1	0.383	1.22	
7439-89-6	Iron	9690	1	1.76	608	
7440-22-4	Silver	0.589	1	0.537	1.82	J
7440-28-0	Thallium	0.938	1	0.938	3.65	U
7440-62-2	Vanadium	15.5	1	0.593	1.82	

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SW846 6010C

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	20160219-139
Sampled:	02/08/16 14:47	Prepared:	02/16/16 15:15		
% Solids:	84.45	Preparation:	SW846 3050B	Initial/Final:	1.0381 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	623	1	0.527	1.71	
7439-95-4	Magnesium	4430	5	11.7	2850	
7439-96-5	Manganese	175	1	0.362	1.14	
7440-02-0	Nickel	15.1	5	1.05	5.70	
7440-09-7	Potassium	586	1	8.68	57.0	
7782-49-2	Selenium	0.455	1	0.455	1.71	U
7440-23-5	Sodium	1650	5	35.2	143	
7440-66-6	Zinc	97.7	1	0.472	1.14	
7429-90-5	Aluminum	10300	1	1.53	5.70	
7440-36-0	Antimony	1.24	1	0.847	5.70	J
7440-38-2	Arsenic	6.90	1	0.457	1.71	
7440-39-3	Barium	277	1	0.414	1.14	
7440-41-7	Beryllium	2.34	1	0.165	0.570	
7440-43-9	Cadmium	1.00	5	0.673	2.85	J
7440-70-2	Calcium	58400	5	52.6	2850	
7440-47-3	Chromium	45.5	1	0.339	1.14	
7440-48-4	Cobalt	4.00	1	0.309	1.14	
7440-50-8	Copper	175	5	1.80	5.70	
7439-89-6	Iron	21800	5	8.24	2850	
7440-22-4	Silver	2.52	5	2.52	8.55	U
7440-28-0	Thallium	0.881	1	0.881	3.42	U
7440-62-2	Vanadium	9.44	1	0.557	1.71	

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SW846 6010C

013-SS-9 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-13	File ID:	20160219-141
Sampled:	02/08/16 15:12	Prepared:	02/16/16 15:15		
% Solids:	82.23	Preparation:	SW846 3050B	Initial/Final:	1.1419 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	55.1	1	0.492	1.60	
7439-95-4	Magnesium	8330	10	21.8	5320	
7439-96-5	Manganese	241	1	0.338	1.06	
7440-02-0	Nickel	10.8	1	0.196	1.06	
7440-09-7	Potassium	1200	1	8.10	53.2	
7782-49-2	Selenium	0.425	1	0.425	1.60	U
7440-23-5	Sodium	105	1	6.57	26.6	
7440-66-6	Zinc	63.3	1	0.441	1.06	
7429-90-5	Aluminum	6800	1	1.43	5.32	
7440-36-0	Antimony	0.791	1	0.791	5.32	U
7440-38-2	Arsenic	4.20	1	0.427	1.60	
7440-39-3	Barium	50.0	1	0.387	1.06	
7440-41-7	Beryllium	0.293	1	0.154	0.532	J
7440-43-9	Cadmium	0.568	1	0.126	0.532	
7440-70-2	Calcium	21200	1	9.83	532	
7440-47-3	Chromium	13.9	1	0.316	1.06	
7440-48-4	Cobalt	4.41	1	0.289	1.06	
7440-50-8	Copper	23.0	1	0.335	1.06	
7439-89-6	Iron	9770	1	1.54	532	
7440-22-4	Silver	0.618	1	0.471	1.60	J
7440-28-0	Thallium	0.822	1	0.822	3.19	U
7440-62-2	Vanadium	14.6	1	0.520	1.60	

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SW846 6010C

015-SS-8 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-15	File ID:	20160219-148
Sampled:	02/08/16 15:40	Prepared:	02/16/16 15:15		
% Solids:	82.97	Preparation:	SW846 3050B	Initial/Final:	1.044 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	67.1	1	0.533	1.73	
7439-95-4	Magnesium	9450	10	23.6	5770	
7439-96-5	Manganese	246	1	0.366	1.15	
7440-02-0	Nickel	11.7	1	0.212	1.15	
7440-09-7	Potassium	1150	1	8.78	57.7	
7782-49-2	Selenium	0.461	1	0.461	1.73	U
7440-23-5	Sodium	131	1	7.12	28.9	
7440-66-6	Zinc	92.2	1	0.478	1.15	
7429-90-5	Aluminum	5640	1	1.55	5.77	
7440-36-0	Antimony	0.858	1	0.858	5.77	U
7440-38-2	Arsenic	4.71	1	0.463	1.73	
7440-39-3	Barium	190	1	0.419	1.15	
7440-41-7	Beryllium	0.264	1	0.167	0.577	J
7440-43-9	Cadmium	0.625	1	0.136	0.577	
7440-70-2	Calcium	22400	1	10.7	577	
7440-47-3	Chromium	10.5	1	0.343	1.15	
7440-48-4	Cobalt	5.11	1	0.313	1.15	
7440-50-8	Copper	18.7	1	0.364	1.15	
7439-89-6	Iron	11100	1	1.67	577	
7440-22-4	Silver	0.510	1	0.510	1.73	U
7440-28-0	Thallium	0.891	1	0.891	3.46	U
7440-62-2	Vanadium	13.6	1	0.563	1.73	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

016-SS-8 (1.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-16	File ID:	20160219-149
Sampled:	02/08/16 15:56	Prepared:	02/16/16 15:15		
% Solids:	80.93	Preparation:	SW846 3050B	Initial/Final:	1.0452 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	168	1	0.546	1.77	
7439-95-4	Magnesium	4460	1	2.42	591	
7439-96-5	Manganese	216	1	0.375	1.18	
7440-02-0	Nickel	11.6	1	0.218	1.18	
7440-09-7	Potassium	1060	1	8.99	59.1	
7782-49-2	Selenium	0.472	1	0.472	1.77	U
7440-23-5	Sodium	516	1	7.29	29.6	
7440-66-6	Zinc	150	1	0.489	1.18	
7429-90-5	Aluminum	7110	1	1.58	5.91	
7440-36-0	Antimony	0.878	1	0.878	5.91	U
7440-38-2	Arsenic	6.16	1	0.474	1.77	
7440-39-3	Barium	96.8	1	0.429	1.18	
7440-41-7	Beryllium	0.365	1	0.171	0.591	J
7440-43-9	Cadmium	0.615	1	0.140	0.591	
7440-70-2	Calcium	20200	1	10.9	591	
7440-47-3	Chromium	13.0	1	0.351	1.18	
7440-48-4	Cobalt	5.59	1	0.320	1.18	
7440-50-8	Copper	38.9	1	0.372	1.18	
7439-89-6	Iron	8640	1	1.71	591	
7440-22-4	Silver	0.523	1	0.523	1.77	U
7440-28-0	Thallium	0.913	1	0.913	3.55	U
7440-62-2	Vanadium	16.4	1	0.577	1.77	

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SW846 6010C

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	20160219-150
Sampled:	02/09/16 08:57	Prepared:	02/16/16 15:15		
% Solids:	83.19	Preparation:	SW846 3050B	Initial/Final:	1.0804 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	38.0	1	0.514	1.67	
7439-95-4	Magnesium	3100	1	2.28	556	
7439-96-5	Manganese	246	1	0.353	1.11	
7440-02-0	Nickel	1860	10	2.05	11.1	
7440-09-7	Potassium	1040	1	8.46	55.6	
7782-49-2	Selenium	0.444	1	0.444	1.67	U
7440-23-5	Sodium	72.5	1	6.86	27.8	
7440-66-6	Zinc	91.7	1	0.461	1.11	
7429-90-5	Aluminum	7860	1	1.49	5.56	
7440-36-0	Antimony	0.827	1	0.827	5.56	U
7440-38-2	Arsenic	6.31	1	0.446	1.67	
7440-39-3	Barium	52.6	1	0.404	1.11	
7440-41-7	Beryllium	0.352	1	0.161	0.556	J
7440-43-9	Cadmium	1.85	1	0.131	0.556	
7440-70-2	Calcium	5760	1	10.3	556	
7440-47-3	Chromium	15.8	1	0.330	1.11	
7440-48-4	Cobalt	9.46	1	0.302	1.11	
7440-50-8	Copper	97.0	1	0.350	1.11	
7439-89-6	Iron	11500	1	1.61	556	
7440-22-4	Silver	0.492	1	0.492	1.67	U
7440-28-0	Thallium	0.859	1	0.859	3.34	U
7440-62-2	Vanadium	16.3	1	0.543	1.67	

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SW846 6010C

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	20160219-155
Sampled:	02/09/16 08:55	Prepared:	02/16/16 15:15		
% Solids:	96.87	Preparation:	SW846 3050B	Initial/Final:	1.1027 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	4.07	1	0.432	1.40	
7439-95-4	Magnesium	17900	5	9.58	2340	
7439-96-5	Manganese	126	1	0.297	0.936	
7440-02-0	Nickel	6.35	1	0.172	0.936	
7440-09-7	Potassium	593	1	7.12	46.8	
7782-49-2	Selenium	0.374	1	0.374	1.40	U
7440-23-5	Sodium	277	1	5.77	23.4	
7440-66-6	Zinc	28.1	1	0.388	0.936	
7429-90-5	Aluminum	1100	1	1.25	4.68	
7440-36-0	Antimony	0.805	1	0.696	4.68	J
7440-38-2	Arsenic	1.21	1	0.375	1.40	J
7440-39-3	Barium	10.7	1	0.340	0.936	
7440-41-7	Beryllium	0.136	1	0.136	0.468	U
7440-43-9	Cadmium	0.249	1	0.110	0.468	J
7440-70-2	Calcium	194000	20	173	9360	
7440-47-3	Chromium	4.31	1	0.278	0.936	
7440-48-4	Cobalt	1.05	1	0.254	0.936	
7440-50-8	Copper	5.20	1	0.295	0.936	
7439-89-6	Iron	2420	1	1.35	468	
7440-22-4	Silver	0.414	1	0.414	1.40	U
7440-28-0	Thallium	3.61	5	3.61	14.0	U
7440-62-2	Vanadium	10.9	1	0.457	1.40	

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SW846 6010C

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	20160219-156
Sampled:	02/09/16 10:15	Prepared:	02/16/16 15:15		
% Solids:	82.80	Preparation:	SW846 3050B	Initial/Final:	1.1348 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	25.8	1	0.492	1.60	
7439-95-4	Magnesium	3570	1	2.18	532	
7439-96-5	Manganese	206	1	0.337	1.06	
7440-02-0	Nickel	14.5	1	0.196	1.06	
7440-09-7	Potassium	864	1	8.09	53.2	
7782-49-2	Selenium	0.425	1	0.425	1.60	U
7440-23-5	Sodium	73.9	1	6.56	26.6	
7440-66-6	Zinc	77.6	1	0.441	1.06	
7429-90-5	Aluminum	7970	1	1.43	5.32	
7440-36-0	Antimony	0.791	1	0.791	5.32	U
7440-38-2	Arsenic	4.82	1	0.427	1.60	
7440-39-3	Barium	68.0	1	0.386	1.06	
7440-41-7	Beryllium	0.692	1	0.154	0.532	
7440-43-9	Cadmium	0.951	1	0.126	0.532	
7440-70-2	Calcium	18800	1	9.82	532	
7440-47-3	Chromium	12.8	1	0.316	1.06	
7440-48-4	Cobalt	4.75	1	0.288	1.06	
7440-50-8	Copper	22.2	1	0.335	1.06	
7439-89-6	Iron	10700	1	1.54	532	
7440-22-4	Silver	0.470	1	0.470	1.60	U
7440-28-0	Thallium	0.822	1	0.822	3.19	U
7440-62-2	Vanadium	14.8	1	0.519	1.60	

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SW846 6010C

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	20160219-157
Sampled:	02/09/16 10:15	Prepared:	02/16/16 15:15		
% Solids:	81.31	Preparation:	SW846 3050B	Initial/Final:	1.0896 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	32.6	1	0.521	1.69	
7439-95-4	Magnesium	3620	1	2.31	564	
7439-96-5	Manganese	218	1	0.358	1.13	
7440-02-0	Nickel	13.1	1	0.208	1.13	
7440-09-7	Potassium	847	1	8.58	56.4	
7782-49-2	Selenium	0.450	1	0.450	1.69	U
7440-23-5	Sodium	71.4	1	6.96	28.2	
7440-66-6	Zinc	69.9	1	0.467	1.13	
7429-90-5	Aluminum	8590	1	1.51	5.64	
7440-36-0	Antimony	0.839	1	0.839	5.64	U
7440-38-2	Arsenic	5.25	1	0.453	1.69	
7440-39-3	Barium	85.3	1	0.410	1.13	
7440-41-7	Beryllium	0.763	1	0.164	0.564	
7440-43-9	Cadmium	0.607	1	0.133	0.564	
7440-70-2	Calcium	12000	1	10.4	564	
7440-47-3	Chromium	12.9	1	0.335	1.13	
7440-48-4	Cobalt	4.98	1	0.306	1.13	
7440-50-8	Copper	21.8	1	0.356	1.13	
7439-89-6	Iron	11500	1	1.63	564	
7440-22-4	Silver	0.499	1	0.499	1.69	U
7440-28-0	Thallium	0.871	1	0.871	3.39	U
7440-62-2	Vanadium	15.2	1	0.551	1.69	

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SW846 6010C

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	20160219-161
Sampled:	02/09/16 11:40	Prepared:	02/16/16 15:15		
% Solids:	81.88	Preparation:	SW846 3050B	Initial/Final:	1.1178 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	101	1	0.505	1.64	
7439-95-4	Magnesium	4960	1	2.24	546	
7439-96-5	Manganese	296	1	0.346	1.09	
7440-02-0	Nickel	15.0	1	0.201	1.09	
7440-09-7	Potassium	1110	1	8.31	54.6	
7782-49-2	Selenium	0.436	1	0.436	1.64	U
7440-23-5	Sodium	110	1	6.74	27.3	
7440-66-6	Zinc	75.8	1	0.452	1.09	
7429-90-5	Aluminum	6840	1	1.46	5.46	
7440-36-0	Antimony	0.812	1	0.812	5.46	U
7440-38-2	Arsenic	7.30	1	0.438	1.64	
7440-39-3	Barium	63.1	1	0.397	1.09	
7440-41-7	Beryllium	0.338	1	0.158	0.546	J
7440-43-9	Cadmium	0.246	1	0.130	0.550	J
7440-70-2	Calcium	9350	1	10.1	546	
7440-47-3	Chromium	14.8	1	0.325	1.09	
7440-48-4	Cobalt	5.05	1	0.296	1.09	
7440-50-8	Copper	85.8	1	0.344	1.09	
7439-89-6	Iron	11500	1	1.58	546	
7440-22-4	Silver	0.530	1	0.483	1.64	J
7440-28-0	Thallium	0.844	1	0.844	3.28	U
7440-62-2	Vanadium	14.9	1	0.533	1.64	

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SW846 6010C

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	20160219-163
Sampled:	02/09/16 13:45	Prepared:	02/16/16 15:15		
% Solids:	84.15	Preparation:	SW846 3050B	Initial/Final:	1.0261 g / 50 ml
Batch:	1602672	Sequence:	S601551	Calibration:	1602044
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	46.2	1	0.535	1.74	
7439-95-4	Magnesium	4880	1	2.37	579	
7439-96-5	Manganese	254	1	0.367	1.16	
7440-02-0	Nickel	11.2	1	0.213	1.16	
7440-09-7	Potassium	1040	1	8.81	57.9	
7782-49-2	Selenium	0.462	1	0.462	1.74	U
7440-23-5	Sodium	95.6	1	7.14	29.0	
7440-66-6	Zinc	67.3	1	0.479	1.16	
7429-90-5	Aluminum	8320	1	1.55	5.79	
7440-36-0	Antimony	0.860	1	0.860	5.79	U
7440-38-2	Arsenic	5.55	1	0.464	1.74	
7440-39-3	Barium	81.8	1	0.420	1.16	
7440-41-7	Beryllium	0.912	1	0.168	0.579	
7440-43-9	Cadmium	0.140	1	0.133	0.563	J
7440-70-2	Calcium	25900	1	10.7	579	
7440-47-3	Chromium	11.9	1	0.344	1.16	
7440-48-4	Cobalt	4.63	1	0.314	1.16	
7440-50-8	Copper	41.6	1	0.365	1.16	
7439-89-6	Iron	10400	1	1.67	579	
7440-22-4	Silver	0.512	1	0.512	1.74	U
7440-28-0	Thallium	0.894	1	0.894	3.47	U
7440-62-2	Vanadium	14.5	1	0.565	1.74	

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SW846 6010C

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	20160219-084
Sampled:	02/09/16 15:05	Prepared:	02/16/16 09:15		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 25 ml
Batch:	1602674	Sequence:	S601581	Calibration:	1602045
Instrument:	ICAP4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0020	1	0.0020	0.0075	U
7439-95-4	Magnesium	0.0175	1	0.0031	0.0200	J
7439-96-5	Manganese	0.0010	1	0.0004	0.0045	J
7440-02-0	Nickel	0.0014	1	0.0014	0.0050	U
7440-09-7	Potassium	0.0770	1	0.0540	0.500	J
7782-49-2	Selenium	0.0038	1	0.0036	0.0150	J
7440-23-5	Sodium	0.162	1	0.0146	0.250	J
7440-66-6	Zinc	0.0028	1	0.0006	0.0055	J
7429-90-5	Aluminum	0.0216	1	0.0052	0.0250	J
7440-36-0	Antimony	0.0025	1	0.0025	0.0060	U
7440-38-2	Arsenic	0.0027	1	0.0027	0.0040	U
7440-39-3	Barium	0.0007	1	0.0003	0.0050	J
7440-41-7	Beryllium	0.0001	1	0.0001	0.0020	U
7440-43-9	Cadmium	0.0002	1	0.0002	0.0025	U
7440-70-2	Calcium	0.0620	1	0.0234	0.100	J
7440-47-3	Chromium	0.0010	1	0.0010	0.0050	U
7440-48-4	Cobalt	0.0002	1	0.0002	0.0050	U
7440-50-8	Copper	0.0070	1	0.0070	0.0100	U
7439-89-6	Iron	0.0612	1	0.0163	0.0300	
7440-22-4	Silver	0.0012	1	0.0012	0.0050	U
7440-28-0	Thallium	0.0016	1	0.0016	0.0050	U
7440-62-2	Vanadium	0.0007	1	0.0007	0.0050	U

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SW846 7471B

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	021716-029
Sampled:	02/08/16 11:20	Prepared:	02/16/16 15:15		
% Solids:	80.33	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6119 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.147	1	0.0115	0.0366	

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SW846 7471B

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	021716-030
Sampled:	02/08/16 11:55	Prepared:	02/16/16 15:15		
% Solids:	76.17	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6554 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.127	1	0.0113	0.0361	

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SW846 7471B

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	021716-031
Sampled:	02/08/16 13:12	Prepared:	02/16/16 15:15		
% Solids:	76.32	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6209 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0736	1	0.0119	0.0380	

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SW846 7471B

007-SS-4 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-07	File ID:	021716-032
Sampled:	02/08/16 13:19	Prepared:	02/16/16 15:15		
% Solids:	77.84	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0434	1	0.0121	0.0385	

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SW846 7471B

008-SS-4 (1.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-08	File ID:	021716-033
Sampled:	02/08/16 13:30	Prepared:	02/16/16 15:15		
% Solids:	82.20	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6309 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0378	1	0.0109	0.0347	

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SW846 7471B

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	021716-034
Sampled:	02/08/16 13:55	Prepared:	02/16/16 15:15		
% Solids:	82.40	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6563 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0346	1	0.0105	0.0333	

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SW846 7471B

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	021716-035
Sampled:	02/08/16 14:10	Prepared:	02/16/16 15:15		
% Solids:	78.12	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6512 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0941	1	0.0111	0.0354	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	021716-036
Sampled:	02/08/16 14:47	Prepared:	02/16/16 15:15		
% Solids:	84.45	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6125 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0762	1	0.0109	0.0348	

lw-6/1/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

013-SS-9 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-13	File ID:	021716-039
Sampled:	02/08/16 15:12	Prepared:	02/16/16 15:15		
% Solids:	82.23	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.618 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.183	1	0.0111	0.0354	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

015-SS-8 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-15	File ID:	021716-040
Sampled:	02/08/16 15:40	Prepared:	02/16/16 15:15		
% Solids:	82.97	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6855 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0422	1	0.0099	0.0316	

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SW846 7471B

016-SS-8 (1.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-16	File ID:	021716-041
Sampled:	02/08/16 15:56	Prepared:	02/16/16 15:15		
% Solids:	80.93	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6687 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.376	1	0.0105	0.0333	

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SW846 7471B

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	021716-042
Sampled:	02/09/16 08:57	Prepared:	02/16/16 15:15		
% Solids:	83.19	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6219 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0701	1	0.0109	0.0348	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	021716-047
Sampled:	02/09/16 08:55	Prepared:	02/16/16 15:15		
% Solids:	96.87	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6222 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0094	1	0.0094	0.0299	U

lw-6/1/16

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SW846 7471B

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	021716-052
Sampled:	02/09/16 10:15	Prepared:	02/16/16 15:15		
% Solids:	82.80	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6784 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0488	1	0.0101	0.0320	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	021716-053
Sampled:	02/09/16 10:15	Prepared:	02/16/16 15:15		
% Solids:	81.31	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6555 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0522	1	0.0106	0.0338	

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SW846 7471B

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	021716-054
Sampled:	02/09/16 11:40	Prepared:	02/16/16 15:15		
% Solids:	81.88	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6669 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.105	1	0.0104	0.0330	

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SW846 7471B

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	021716-055
Sampled:	02/09/16 13:45	Prepared:	02/16/16 15:15		
% Solids:	84.15	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6191 g / 29.9 ml
Batch:	1602673	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0743	1	0.0109	0.0346	

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EPA 245.1/7470A

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	021716-061
Sampled:	02/09/16 15:05	Prepared:	02/16/16 09:15		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1602675	Sequence:	S601465	Calibration:	1602043
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00009	1	0.00009	0.00020	U

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SW846 9012B

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	OM_2-18-2016_07-04-47PM-022
Sampled:	02/08/16 11:20	Prepared:	02/18/16 11:34	Analyzed:	02/18/16 19:23
% Solids:	80.33	Preparation:	General Preparation	Initial/Final:	0.5162 g / 50 ml
Batch:	1602893	Sequence:	S601406	Calibration:	1602039
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.533	1	0.533	0.603	U

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SW846 9012B

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	OM_2-18-2016_07-04-47PM-023
Sampled:	02/08/16 11:55	Prepared:	02/18/16 11:34	Analyzed:	02/18/16 19:24
% Solids:	76.17	Preparation:	General Preparation	Initial/Final:	0.514 g / 50 ml
Batch:	1602893	Sequence:	S601406	Calibration:	1602039
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.565	1	0.565	0.639	U

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SW846 9012B

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	OM_2-18-2016_07-04-47PM-024
Sampled:	02/08/16 13:12	Prepared:	02/18/16 11:34	Analyzed:	02/18/16 19:25
% Solids:	76.32	Preparation:	General Preparation	Initial/Final:	0.5273 g / 50 ml
Batch:	1602893	Sequence:	S601406	Calibration:	1602039
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.550	1	0.550	0.621	UH J

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SW846 9012B

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-06RE1	File ID:	OM_2-19-2016_07-48-50PM-018
Sampled:	02/08/16 13:12	Prepared:	02/19/16 11:42	Analyzed:	02/19/16 20:04
% Solids:	76.32	Preparation:	General Preparation	Initial/Final:	0.5285 g / 50 ml
Batch:	1602976	Sequence:	S601416	Calibration:	1602041
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.33	1	0.548	0.620	

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SW846 9012B

007-SS-4 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-07	File ID:	OM_2-18-2016_07-04-47PM-035
Sampled:	02/08/16 13:19	Prepared:	02/18/16 11:34	Analyzed:	02/18/16 19:35
% Solids:	77.84	Preparation:	General Preparation	Initial/Final:	0.5394 g / 50 ml
Batch:	1602893	Sequence:	S601406	Calibration:	1602039
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.91	1	0.527	0.595	

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SW846 9012B

008-SS-4 (1.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-08	File ID:	OM_2-18-2016_07-04-47PM-036
Sampled:	02/08/16 13:30	Prepared:	02/18/16 11:34	Analyzed:	02/18/16 19:35
% Solids:	82.20	Preparation:	General Preparation	Initial/Final:	0.501 g / 50 ml
Batch:	1602893	Sequence:	S601406	Calibration:	1602039
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	1.16	1	0.537	0.607	

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SW846 9012B

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	OM_2-18-2016_07-04-47PM-037
Sampled:	02/08/16 13:55	Prepared:	02/18/16 11:34	Analyzed:	02/18/16 19:36
% Solids:	82.40	Preparation:	General Preparation	Initial/Final:	0.5075 g / 50 ml
Batch:	1602893	Sequence:	S601406	Calibration:	1602039
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.529	1	0.529	0.598	U

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SW846 9012B

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	OM_2-19-2016_07-48-50PM-019
Sampled:	02/08/16 14:10	Prepared:	02/19/16 11:42	Analyzed:	02/19/16 20:05
% Solids:	78.12	Preparation:	General Preparation	Initial/Final:	0.523 g / 50 ml
Batch:	1602976	Sequence:	S601416	Calibration:	1602041
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.541	1	0.541	0.612	U

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SW846 9012B

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	OM_2-19-2016_07-48-50PM-020
Sampled:	02/08/16 14:47	Prepared:	02/19/16 11:42	Analyzed:	02/19/16 20:06
% Solids:	84.45	Preparation:	General Preparation	Initial/Final:	0.517 g / 50 ml
Batch:	1602976	Sequence:	S601416	Calibration:	1602041
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	19.5	1	0.507	0.573	

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SW846 9012B

013-SS-9 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-13	File ID:	OM_2-19-2016_07-48-50PM-021
Sampled:	02/08/16 15:12	Prepared:	02/19/16 11:42	Analyzed:	02/19/16 20:07
% Solids:	82.23	Preparation:	General Preparation	Initial/Final:	0.5376 g / 50 ml
Batch:	1602976	Sequence:	S601416	Calibration:	1602041
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.500	1	0.500	0.566	U

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SW846 9012B

015-SS-8 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-15	File ID:	OM_2-19-2016_07-48-50PM-022
Sampled:	02/08/16 15:40	Prepared:	02/19/16 11:42	Analyzed:	02/19/16 20:07
% Solids:	82.97	Preparation:	General Preparation	Initial/Final:	0.503 g / 50 ml
Batch:	1602976	Sequence:	S601416	Calibration:	1602041
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.530	1	0.530	0.599	U

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SW846 9012B

016-SS-8 (1.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-16	File ID:	OM_2-19-2016_07-48-50PM-023
Sampled:	02/08/16 15:56	Prepared:	02/19/16 11:42	Analyzed:	02/19/16 20:08
% Solids:	80.93	Preparation:	General Preparation	Initial/Final:	0.5431 g / 50 ml
Batch:	1602976	Sequence:	S601416	Calibration:	1602041
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.503	1	0.503	0.569	U

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SW846 9012B

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	OM_2-19-2016_07-48-50PM-024
Sampled:	02/09/16 08:57	Prepared:	02/19/16 11:42	Analyzed:	02/19/16 20:09
% Solids:	83.19	Preparation:	General Preparation	Initial/Final:	0.5246 g / 50 ml
Batch:	1602976	Sequence:	S601416	Calibration:	1602041
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.507	1	0.507	0.573	U

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SW846 9012B

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	OM_2-19-2016_07-48-50PM-035
Sampled:	02/09/16 08:55	Prepared:	02/19/16 11:42	Analyzed:	02/19/16 20:19
% Solids:	96.87	Preparation:	General Preparation	Initial/Final:	0.5408 g / 50 ml
Batch:	1602976	Sequence:	S601416	Calibration:	1602041
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.422	1	0.422	0.477	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	OM_2-19-2016_07-48-50PM-036
Sampled:	02/09/16 10:15	Prepared:	02/19/16 11:42	Analyzed:	02/19/16 20:20
% Solids:	82.80	Preparation:	General Preparation	Initial/Final:	0.5216 g / 50 ml
Batch:	1602976	Sequence:	S601416	Calibration:	1602041
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	34.7	1	0.512	0.579	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	OM_2-19-2016_07-48-50PM-037
Sampled:	02/09/16 10:15	Prepared:	02/19/16 11:42	Analyzed:	02/19/16 20:20
% Solids:	81.31	Preparation:	General Preparation	Initial/Final:	0.5431 g / 50 ml
Batch:	1602976	Sequence:	S601416	Calibration:	1602041
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	12.0	1	0.501	0.566	

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	OM_2-20-2016_03-52-19PM-019
Sampled:	02/09/16 11:40	Prepared:	02/20/16 12:26	Analyzed:	02/20/16 16:08
% Solids:	81.88	Preparation:	General Preparation	Initial/Final:	0.5313 g / 50 ml
Batch:	1603025	Sequence:	S601418	Calibration:	1602042
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.508	1	0.508	0.575	U

lw-6/1/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	OM_2-20-2016_03-52-19PM-023
Sampled:	02/09/16 13:45	Prepared:	02/20/16 12:26	Analyzed:	02/20/16 16:12
% Solids:	84.15	Preparation:	General Preparation	Initial/Final:	0.5003 g / 50 ml
Batch:	1603025	Sequence:	S601418	Calibration:	1602042
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	3.79	1	0.525	0.594	

lw-6/1/16

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

FB-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Field Blank	Laboratory ID:	SC18063-25	File ID:	OM_2-20-2016_03-52-19PM-032
Sampled:	02/09/16 15:05	Prepared:	02/20/16 12:35	Analyzed:	02/20/16 16:20
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1603027	Sequence:	S601419	Calibration:	1602042
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00480	1	0.00480	0.00500	U

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

002-SS-3 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-02	File ID:	
Sampled:	02/08/16 11:20	Prepared:	02/16/16 12:58	Analyzed:	02/16/16 16:48
% Solids:	80.33	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602772	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.3	1			

lw-6/1/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

003-SSE-1 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-03	File ID:	
Sampled:	02/08/16 11:55	Prepared:	02/17/16 12:51	Analyzed:	02/17/16 16:56
% Solids:	76.17	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602841	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	76.2	1			

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

004-SS-2 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-04	File ID:	
Sampled:	02/08/16 12:05	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	81.67	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.7	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

005-SS-1 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-05	File ID:	
Sampled:	02/08/16 12:20	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	84.86	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	84.9	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

006-SSE-3 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-06	File ID:	
Sampled:	02/08/16 13:12	Prepared:	02/17/16 12:51	Analyzed:	02/17/16 16:56
% Solids:	76.32	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602841	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	76.3	1			

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

007-SS-4 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-07	File ID:	
Sampled:	02/08/16 13:19	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	77.84	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	77.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

008-SS-4 (1.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-08	File ID:	
Sampled:	02/08/16 13:30	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	82.20	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.2	1			

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

009-SSE-4 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-09	File ID:	
Sampled:	02/08/16 13:55	Prepared:	02/17/16 12:51	Analyzed:	02/17/16 16:56
% Solids:	82.40	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602841	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.4	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

010-SSE-5 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-10	File ID:	
Sampled:	02/08/16 14:10	Prepared:	02/17/16 12:51	Analyzed:	02/17/16 16:56
% Solids:	78.12	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602841	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	78.1	1			

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

011-SS-10 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-11	File ID:	
Sampled:	02/08/16 14:30	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	81.11	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.1	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

012-MW-1R (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-12	File ID:	
Sampled:	02/08/16 14:47	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	84.45	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	84.5	1			

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

013-SS-9 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-13	File ID:	
Sampled:	02/08/16 15:12	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	82.23	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.2	1			

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

014-TB-P (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-14	File ID:	
Sampled:	02/08/16 15:25	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	84.65	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	84.6	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

015-SS-8 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-15	File ID:	
Sampled:	02/08/16 15:40	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	82.97	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	83.0	1			

lw-6/1/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

016-SS-8 (1.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-16	File ID:	
Sampled:	02/08/16 15:56	Prepared:	02/17/16 12:51	Analyzed:	02/17/16 16:56
% Solids:	80.93	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602841	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.9	1			

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

017-TB-H (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-17	File ID:	
Sampled:	02/09/16 08:57	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	83.19	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	83.2	1			

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

018-MW-19 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-18	File ID:	
Sampled:	02/09/16 08:55	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	96.87	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	96.9	1			

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

019-SS-5 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-19	File ID:	
Sampled:	02/09/16 10:15	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	82.80	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.8	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

DUP1-02-09-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-20	File ID:	
Sampled:	02/09/16 10:15	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	81.31	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.3	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

020-SS-6 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-21	File ID:	
Sampled:	02/09/16 10:50	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	82.66	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.7	1			

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

021-SS-7 (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-22	File ID:	
Sampled:	02/09/16 11:35	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	83.94	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	83.9	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

022-SS-7 (1-2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-23	File ID:	
Sampled:	02/09/16 11:40	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	81.88	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	81.9	1			

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

023-TP-A (0-1)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18063
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/10/16 11:06
Matrix:	Soil	Laboratory ID:	SC18063-24	File ID:	
Sampled:	02/09/16 13:45	Prepared:	02/16/16 13:01	Analyzed:	02/16/16 16:48
% Solids:	84.15	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1602773	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	84.2	1			

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ATTACHMENT B

CASE NARRATIVE & COC

SC18063 Bm

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

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Special Handling:

☒ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: TPH results required in 5 day TAT

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Ave
Rochester, NY

Telephone #: (585) 4540210
Project Mgr: Heather McLennan

Invoice To: SAME

P.O No.: _____ Quote #: _____

Project No: 5211S-16
Site Name: McAlpin
Location: 50 Balfour, Rochester State: NY
Sampler(s): Heather McLennan
Sean Reese

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	TPH 8100	Check if chlorinated	
SC18063-01	001-SSE-2 (0-0.18)	2/8/2016	9:40	G	SO	2	2			X	X	X	X	X	X		☐	-01 on hold per client.
02	002-SS-3 (0-1)	2/8/2016	11:20	G	SO	2	2				X	X	X			X	☐	hold additional sample
03	003-SSE-1 (0-0.18)	2/8/2016	11:55	G	SO	2	2			X	X	X	X	X	X		☐	
04	004-SS-2 (0-1)	2/8/2016	12:05	G	SO	2	2									X	☐	hold additional sample
05	005-SS-1 (0-1)	2/8/2016	12:20	G	SO	2	2									X	☐	hold additional sample
06	006-SSE-3 (0-0.18)	2/8/2016	13:12	G	SO	2	2			X	X	X	X	X	X		☐	
07	007-SS-4 (0-1)	2/8/2016	13:19	G	SO	2	2				X	X	X			X	☐	hold additional sample
08	008-SS-4 (1.2)	2/8/2016	13:30	G	SO		1				X	X	X			X	☐	hold additional sample
09	009-SSE-4 (0-0.18)	2/8/2016	13:55	G	SO	2	2			X	X	X	X				5.6	
10	010-SSE-5 (0-0.18)	2/8/2016	14:10	G	SO	2	2			X	X	X	X	X	X		☐	

5.6 IR 2 2/10/16

List Preservative Code below: 4

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☒ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
Danielle Schwind	Tom Gonzo	2/10/16	11:06
Tony Gonzo		2/11/16	12:30

Temp °C: Observed 2.4; Correction Factor 0; Corrected 2.4; IR ID # 02

☒ EDD format:
☒ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SDG 18063 Page 22 of 6666

SC18063 By

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:

☒ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: TPH results required in 5 day TAT

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Ave
Rochester, NY

Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME

P.O No.: _____ Quote #: _____

Project No: 52115-16
Site Name: McAlpin
Location: 50 Balfour Dr Rochester State: NY
Sampler(s): Heather McLennan
Sean Reese

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs+TICs 8260	TCL SVOCs+TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	TPH 8100	Check if chlorinated
SC18063-11	011-SS-10 (0-1)	2/8/2016	14:30	G	SO	3	2									X	☐
12	012-MW-1R (0-1)	2/8/2016	14:47	G	SO	3	2				X	X	X			X	☐
13	013-SS-9 (0-1)	2/8/2016	15:52	G	SO	3	2				X	X	X			X	☐
14	014-TB-P (0-1)	2/8/2016	15:25	G	SO	3	2									X	☐
15	015-SS-8 (0-1)	2/8/2016	15:40	G	SO	3	2				X	X	X			X	☐
16	016-SS-8 (1.8)	2/8/2016	15:56	G	SO		1				X	X	X				☐
17	017-TB-H (0-1)	2/9/2016	8:57	G	SO	6	4			X	X	X	X	X	X	X	☐
18	018-MW-19 (0-1)	2/9/2016	8:55	G	SO	3	2				X	X	X			X	☐
19	019-SS-5 (0-1)	2/9/2016	10:15	G	SO	3	2			X	X	X	X	X	X	X	☐
20	~~020~~ DUP1-02-09-2016	2/9/2016	10:15	G	SO	3	2			X	X	X	X	X	X	X	☐

List Preservative Code below: 4

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

SC18063-11 hold additional sample
12 hold additional sample
13 hold additional sample
14 hold additional sample
15 hold additional sample
16
17 complete MS/MSD on 017-TB-H COC
18
19
20

Relinquished by:	Received by:	Date:	Time:
Annette Edwards	Tony Caprizzi	2/12/16	11:06
Tony Caprizzi		2/11/16	1230

Temp °C: Observed 2.4 | Correction Factor 0 | Corrected 2.4 | IR ID # 02

☐ EDD format:
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

S.6 1.5 IR 3

SDG 18063 Page 23 / 6666

SC18063 By

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:

- [X] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed:

TAT results required is 5 day TAT

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Ave
Rochester, NY

Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME

P.O No.: Quote #:

Project No: 52115-16
Site Name: McAlpin
Location: 50 Balfour Dr, Rochester State: NY
Sampler(s): Heather McLennan
Scan Reese

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs+TICs 8260	TCL SVOCs+TICs 8270	TAL Metals 6010 7471	Cyanide 9012	Pesticides 8081	PCBs 8082	TPH 8100	Check if chlorinated	QA/QC Reporting Notes: * additional charges may appply
SC18063-21	020-SS-6 (0-1)	2/9/2016	10:50	G	SO	3	2									X	☐	hold additional sample
22	021-SS-7 (0-1)	2/9/2016	11:35	G	SO	3	2									X	☐	hold additional sample
23	022-SS-7 (1-2)	2/9/2016	11:40	G	SO	3	2			X	X	X	X			X	☐	hold additional sample
24	023-TP-A (0-1)	2/9/2016	13:45	G	SO	3	2			X	X	X	X			X	☐	hold additional sample
25	FB-02-09-2016	2/9/2016	15:05			3	2		2	X	X	X	X	~~X~~	~~X~~	X	☐	PCBs and Pest cancelled per client request BN 2/12.
																	☐	
																	☐	
																	☐	
																	☐	
																	☐	$5.6 10 5.6 IR 3 2

List Preservative Code below: 4

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Annette Achtermann	Amy Conzza	2/10/16	11:06	Observed 2.4
Amy Conzza		2/11/16	1230	Correction Factor 0
				Corrected 2.4
				IR ID # 02

☑ EDD format: NYSDEC equis
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SDG 18063 Page 24 / 6666

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18063

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18063

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8260C, SW846 8260C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 5030 Water MS.

Soil/Sediment samples were prepared according to SW846 5035A Soil (high level).

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

Soil/Sediment samples were prepared according to SW846 5035A Soil (low level).

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8260C, SW846 8260C:

HPV2 details: GC/MS Tekmar Atomx auto sampler / concentrator
Stratum #9 U trap and conditions used
Agilent 7890A series gas chromatograph
Agilent 5975C Mass Selective Detector
Column - DB-VRX, 20 meters, 0.18mm diameter 1.0um film

HPV3 details: GC/MS Tekmar ALS 2016 and ALS 2032 purge and trap autosamplers
Tekmar 3100 sample concentrator Supelco vocarb 3000 (K) trap and
conditions used Agilent 7890A series gas chromatograph
Agilent 5975C Mass Selective Detector Column – DB-VRX,

20 meters, 0.18mm diameter 1.0um film

HPV9 details: GC/MS EST Model 8100 autosampler EST Encon sample concentrator
Supelco vocarb 3000 (K) trap and conditions used Agilent 6890N series
gas chromatograph Agilent 5975 Mass Selective Detector
Column – DB-VRX, 20 meters, 0.18mm diameter 1.0um film

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1512048:

The following analytes, Acetone, 2-Butanone (MEK), 1,2-Dibromo-3-Chloropropane, 2-Hexanone (MBK), 4-Methyl-2-Pentanone (MIBK), are flagged on Form VI – Initial Calibration Data, for ICAL 1512048/S9122815.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2-Dibromo-3-chloropropane, 1,4-Dioxane, 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromoform, cis-1,3-Dichloropropene, Dibromochloromethane, Naphthalene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene

This affected the following samples:

1602695-BS1, 003-SSE-1 (0-0.18), 006-SSE-3 (0-0.18), 009-SSE-4 (0-0.18), 010-SSE-5 (0-0.18), 012-MW-1R (0-1), 017-TB-H (0-1), 018-MW-19 (0-1), 019-SS-5 (0-1), 022-SS-7 (1-2), 002-SS-3 (0-1), 1602695-BLK1, S601441-CCV1, 1602695-BSD1, 1602695-MS1, 1602695-MSD1, 1603050-BLK1, 1603050-BS1, 1603050-BSD1, DUP1-02-09-2016, S511606-ICV1, S601220-CCV1, 023-TP-A (0-1)

In calibration 1601003:

The following analytes, Acetone, 2-Butanone (MEK), 2-Hexanone (MBK) and Tetrachloroethene, are flagged on Form VI – Initial Calibration Data, for ICAL 1601003/V2010416.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane (EDB), 1,2-Dichlorobenzene, 1,3,5-Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dioxane, 2,2-Dichloropropane, 2-Chlorotoluene, 2-Hexanone (MBK), 4-Chlorotoluene, 4-Isopropyltoluene, 4-Methyl-2-pentanone (MIBK), Acrylonitrile, Bromodichloromethane, Bromoform, Carbon tetrachloride, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Di-isopropyl ether, Ethanol, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m,p-Xylene, Methylcyclohexane, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrahydrofuran, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene

This affected the following samples:

S601171-CCV1, S600048-ICV1, FB-02-09-2016, 1602604-BSD1, 1602604-BS1, 1602604-BLK1

In calibration 1602014:

The following analytes, Acetone, 2-Butanone (MEK), 2-Hexanone (MBK) and Tetrachloroethene, are flagged on Form VI – Initial Calibration Data, for ICAL 1602014/V3020516.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 2-Butanone (MEK), Bromoform, Dibromochloromethane, Naphthalene

This affected the following samples:

S601023-ICV1

In sample S600048-ICV1:

Analyte percent recovery is outside individual acceptance criteria (80-120).

Methyl acetate (79%)

This affected the following samples:

1602604-BLK1, 1602604-BS1, 1602604-BSD1, FB-02-09-2016, S601171-CCV1

In sample S601171-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (26.3%)
Bromobenzene (24.4%)
Carbon disulfide (20.5%)
Tetrachloroethene (23.4%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,3-Dichlorobenzene (26.1%)
2,2-Dichloropropane (23.4%)
Bromoform (23.4%)
Hexachlorobutadiene (24.2%)
sec-Butylbenzene (21.2%)

This affected the following samples:

1602604-BLK1, 1602604-BS1, 1602604-BSD1, FB-02-09-2016

In sample S601220-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2,3-Trichlorobenzene (-24.3%)
1,2,4-Trichlorobenzene (-34.1%)
1,3,5-Trichlorobenzene (-25.3%)
Ethanol (27.2%)
Hexachlorobutadiene (-20.6%)
n-Butylbenzene (-22.3%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Naphthalene (-32.2%)

This affected the following samples:

003-SSE-1 (0-0.18), 006-SSE-3 (0-0.18), 009-SSE-4 (0-0.18), 010-SSE-5 (0-0.18), 017-TB-H (0-1), 019-SS-5 (0-1), 022-SS-7 (1-2), 023-TP-A (0-1), 1602695-BLK1, 1602695-BS1, 1602695-BSD1, 1602695-MS1, 1602695-MSD1, DUP1-02-09-2016

In sample S601441-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2,4-Trichlorobenzene (-22.2%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Naphthalene (-26.8%)

This affected the following samples:

002-SS-3 (0-1), 012-MW-1R (0-1), 018-MW-19 (0-1), 1603050-BLK1, 1603050-BS1, 1603050-BSD1

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1602604, sample 1602604-BLK1: None found

Methylene chloride in batch 1602604, sample 1602604-BLK1: This compound is a common laboratory contaminant.

Tentatively Identified Compounds in batch 1602695, sample 1602695-BLK1: None found

Methylene chloride in batch 1602894, sample 1602894-BLK1: This compound is a common laboratory contaminant.

Tentatively Identified Compounds in batch 1603050, sample 1603050-BLK1: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

In batch 1603050 BS/BSD:

Acetone percent recoveries (118/134) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

002-SS-3 (0-1), 012-MW-1R (0-1), 018-MW-19 (0-1)

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1602695 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1602695 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1602894 from source sample 017-TB-H (0-1) (SC18063-17RE1).

All method criteria were met with the following exceptions:

1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1,2-Trichlorotrifluoroethane (Freon 113), 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane (EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 1,4-Dioxane, 2,2-Dichloropropane, 2-Butanone (MEK), 2-Chlorotoluene, 2-Hexanone (MBK), 4-Chlorotoluene, 4-Isopropyltoluene, 4-Methyl-2-pentanone (MIBK), Acrylonitrile, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane (Freon12), Di-isopropyl ether, Ethanol, Ethyl ether, Ethyl tert-butyl ether, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m,p-Xylene, Methyl tert-butyl ether, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, sec-Butylbenzene, Styrene, Tert-amyl methyl ether, Tert-Butanol / butyl alcohol, tert-Butylbenzene, Tetrachloroethene, Tetrahydrofuran, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene, Trichloroethene, Trichlorofluoromethane (Freon 11), Vinyl chloride in batch 1602695, lab sample 1602695-MS1 from source sample 017-TB-H (0-1) (SC18063-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1,2-Trichlorotrifluoroethane (Freon 113), 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane (EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 1,4-Dioxane, 2,2-Dichloropropane, 2-Butanone (MEK), 2-Chlorotoluene, 2-Hexanone (MBK), 4-Chlorotoluene, 4-Isopropyltoluene, 4-Methyl-2-pentanone (MIBK), Acetone, Acrylonitrile, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane,

Chloroform, Chloromethane, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane (Freon12), Di-isopropyl ether, Ethanol, Ethyl ether, Ethyl tert-butyl ether, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m,p-Xylene, Methyl tert-butyl ether, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, sec-Butylbenzene, Styrene, Tert-amyl methyl ether, Tert-Butanol / butyl alcohol, tert-Butylbenzene, Tetrachloroethene, Tetrahydrofuran, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene, Trichlorofluoromethane (Freon 11), Vinyl chloride in batch 1602695, lab sample 1602695-MSD1 from source sample 017-TB-H (0-1) (SC18063-17): RPD out of acceptance range.

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3,5-Trichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,4-Dioxane, 2-Butanone (MEK), 2-Chlorotoluene, 2-Hexanone (MBK), 4-Chlorotoluene, Acetone, Acrylonitrile, Bromobenzene, Ethanol, Hexachlorobutadiene, Naphthalene, n-Butylbenzene, Tert-Butanol / butyl alcohol, Tetrahydrofuran, Trichloroethene in batch 1602695, lab sample 1602695-MSD1 from source sample 017-TB-H (0-1) (SC18063-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Chloromethane, Hexachlorobutadiene in batch 1602894, lab sample 1602894-MS1 from source sample 017-TB-H (0-1) (SC18063-17RE1): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Chloromethane, Hexachlorobutadiene, Methylcyclohexane, n-Butylbenzene, Tetrachloroethene in batch 1602894, lab sample 1602894-MSD1 from source sample 017-TB-H (0-1) (SC18063-17RE1): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

Dimethyl sulfide in batch 1602695, sample 010-SSE-5 (0-0.18) (SC18063-10): (Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

In batch 1602894, sample 017-TB-H (0-1) (SC18063-17RE1): Sample data reported for QC purposes only.

Methylene chloride in batch 1602894, sample 017-TB-H (0-1) (SC18063-17RE1): This compound is a common laboratory contaminant.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18063

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18063

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8270D.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8270D:

HPS4 details: Agilent 6890 with 5973 MS: Phenomenex ZB-Semivolatiles (30M, 0.25mm, 0.25um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1601040:

The following analytes, Bis(2-chloroethyl)ether, 2-Methylphenol and N-Nitrosodi-n-propylamine, are flagged on Form VI – Initial Calibration Data, for ICAL 1601040/SV40126R.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitrophenol, Benzidine

This affected the following samples:

S601338-CCV1, S600677-ICV1, FB-02-09-2016, 1602733-BSD1, 1602733-BS1, 1602733-BLK1

In sample S601338-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,6-Dinitrotoluene (23.2%)
3-Nitroaniline (27.7%)
4-Chloroaniline (22.8%)
4-Nitroaniline (27.4%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

4-Nitrophenol (42.4%)

This affected the following samples:

1602733-BLK1, 1602733-BS1, 1602733-BSD1, FB-02-09-2016

In sample S601349-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

3-Nitroaniline (35.4%)
4-Chloroaniline (22.0%)
4-Nitroaniline (29.2%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

4-Nitrophenol (40.9%)
Benzidine (31.3%)

This affected the following samples:

002-SS-3 (0-1), 003-SSE-1 (0-0.18), 006-SSE-3 (0-0.18), 007-SS-4 (0-1), 008-SS-4 (1.2), 009-SSE-4 (0-0.18), 010-SSE-5 (0-0.18), 012-MW-1R (0-1), 013-SS-9 (0-1), 015-SS-8 (0-1), 016-SS-8 (1.8), 017-TB-H (0-1), 018-MW-19 (0-1), 022-SS-7 (1-2), 023-TP-A (0-1), 1602577-BLK1, 1602577-BS1, 1602577-DUP1, 1602577-MS1, 1602577-MSD1

In sample S601426-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

3-Nitroaniline (22.8%)
4-Nitroaniline (21.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

4-Nitrophenol (38.5%)

This affected the following samples:

018-MW-19 (0-1), 019-SS-5 (0-1), 022-SS-7 (1-2), DUP1-02-09-2016

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1602577, sample 1602577-BLK1: None found

Tentatively Identified Compounds in batch 1602733, sample 1602733-BLK1: None found

C. Surrogates:

All method criteria were met with the following exceptions:

2-Fluorophenol in batch 1602577, sample 002-SS-3 (0-1) (SC18063-02): Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.

The surrogate recovery of 2,4,6-Tribromophenol was outside of established control in S601338-CCV1. Surrogate recoveries are set based on sample extraction. However, for CCVs, the surrogates are directly injected and will result in higher recoveries.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

Benzidine in batch 1602733, samples 1602733-BS1, 1602733-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

4-Nitroaniline in batch 1602733, sample 1602733-BSD1: RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

<u>In batch 1602733 BS/BSD:</u>

Benzidine percent recoveries (146/159) are outside individual acceptance criteria (40-140), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

FB-02-09-2016

<u>In batch 1602733 BSD:</u>

4-Nitroaniline RPD 25% (20%) is outside individual acceptance criteria.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1602577 from source sample 017-TB-H (0-1) (SC18063-17).

All method criteria were met with the following exceptions:

1,3-Dichlorobenzene, 3,3´-Dichlorobenzidine, 4-Chloroaniline, Aniline, Benzidine, Bis(2-chloroethyl)ether, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane,

Pentachlorophenol, Pyridine in batch 1602577, lab sample 1602577-MS1 from source sample 017-TB-H (0-1) (SC18063-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Hexachlorocyclopentadiene, Indeno (1,2,3-cd) pyrene in batch 1602577, lab sample 1602577-MSD1 from source sample 017-TB-H (0-1) (SC18063-17): RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

3,3´-Dichlorobenzidine, Aniline, Benzidine, Hexachlorocyclopentadiene, Pyridine in batch 1602577, lab sample 1602577-MSD1 from source sample 017-TB-H (0-1) (SC18063-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

A duplicate was analyzed.

In batch 1602577 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1602577 from source sample 017-TB-H (0-1) (SC18063-17).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

1,19-Eicosadiene, 1-Hexacosanol, Benz[e]acephenanthrylene, Benzo[e]pyrene in batch 1602577, samples 012-MW-1R (0-1) (SC18063-12), 013-SS-9 (0-1) (SC18063-13), 022-SS-7 (1-2) (SC18063-23), 022-SS-7 (1-2) (SC18063-23RE1), 023-TP-A (0-1) (SC18063-24): (Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

In batch 1602577, samples 012-MW-1R (0-1) (SC18063-12), 013-SS-9 (0-1) (SC18063-13), 022-SS-7 (1-2) (SC18063-23): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

In batch 1602577, samples 002-SS-3 (0-1) (SC18063-02), 003-SSE-1 (0-0.18) (SC18063-03), 006-SSE-3 (0-0.18) (SC18063-06), 009-SSE-4 (0-0.18) (SC18063-09), 010-SSE-5 (0-0.18) (SC18063-10), 015-SS-8 (0-1) (SC18063-15), 016-SS-8 (1.8) (SC18063-16), 018-MW-19 (0-1) (SC18063-18), 018-MW-19 (0-1) (SC18063-18RE1), 022-SS-7 (1-2) (SC18063-23RE1): The Reporting Limit has been raised to account for matrix interference.

Fluoranthene in batch 1602577, sample 022-SS-7 (1-2) (SC18063-23): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18063

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18063

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8082A.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8082A:

HPS11 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) and DB-5MS column ((30m, 0.53mmID 1.50 df)

HPS12 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) & RTX-CLPesticides2 Column (30m, 0.53mmID, 0.42um df)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1602581 from source sample 017-TB-H (0-1) (SC18063-17).

All method criteria were met.

E. Duplicates:

A duplicate was analyzed.

In batch 1602581 from source sample 017-TB-H (0-1) (SC18063-17).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18063

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18063

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8081B.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8081B:

HPS14 details: Agilent 6890 RTX-CLPesticides 2 column (30m, 0.53mmID, 0.42um)
RTX-CLP confirmation column (30m, 0.53mmID, 0.5um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met with the following exceptions:

Decachlorobiphenyl (Sr) in batch 1603030, sample 012-MW-1R (0-1) (SC18063-12): The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1602735 from source sample 017-TB-H (0-1) (SC18063-17).

All method criteria were met.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

4,4'-DDT (p,p') [2C] in batch 1602735, sample 019-SS-5 (0-1) (SC18063-19): Difference between the two GC columns is greater than 40%.

4,4'-DDD (p,p'), Chlordane [2C], gamma-Chlordane [2C] in batch 1603030, sample 002-SS-3 (0-1) (SC18063-02): Difference between the two GC columns is greater than 40%.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18063

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18063

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8100Mod..

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

Soil/Sediment samples were prepared according to SW846 3550C.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8100Mod.:

HPS15 details: Agilent 6890 Agilent HP-5 (30M, 0.32mm, 0.25um)

HPS16 details: Agilent 6890 Agilent HP-5 (30M, 0.32mm, 0.25um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met with the following exceptions:

1-Chlorooctadecane in batch 1602576, samples 002-SS-3 (0-1) (SC18063-02), 011-SS-10 (0-1) (SC18063-11), 012-MW-1R (0-1) (SC18063-12), 013-SS-9 (0-1) (SC18063-13), 021-SS-7 (0-1) (SC18063-22), 022-SS-7 (1-2) (SC18063-23): The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Samples:

All method criteria were met with the following exceptions:

In batch 1602576, samples 012-MW-1R (0-1) (SC18063-12), 015-SS-8 (0-1) (SC18063-15), 018-MW-19 (0-1) (SC18063-18): The Reporting Limit has been raised to account for matrix interference.

Samples SC18063-02, SC18063-04, SC18063-05, SC18063-11, SC18063-12, SC18063-13, SC18063-14, SC18063-15, SC18063-17, SC18063-18, SC18063-19, SC18063-20, SC18063-21, SC18063-22, SC18063-23 and SC18063-24 were qualified with *TPH, which represents that the contamination most closely resembles that of Other Oil.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18063

Client: Day Environmental, Inc.

Project: McAplin - Rochester, NY / 5211S-16

SDG #: 18063

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 6010C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3005A.

Soil/Sediment samples were prepared according to SW846 3050B.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 6010C:

ICAP2 details: Thermo ICAP 6000 series CETAC Autosampler

ICAP4 details: Thermo ICAP 6000 series CETAC Autosampler

All sample data within this SDG was generated after ICP-AES interelement corrections and background corrections were applied.

Samples are diluted when concentrations exceed the highest calibration standard in the associated curve, therefore Linear Ranges are not performed.

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In sample S601551-CRL1:

Data was accepted based on CRL2 passing prior to data being run.

Zinc

In sample S601581-CRL1:

Low level calibration check failed, reporting limit has been elevated.

Zinc

In sample S601581-IFA1:

IFA1 was rerun as IFB2, which passed within method criteria.

Manganese

In sample S601581-IFA3:

Reporting limit has been elevated.

Manganese

In sample S601611-CRL3:

Low level calibration check failed, reporting limit has been elevated.

Sodium

In sample S601611-CRL5:

Low level calibration check failed, reporting limit has been elevated.

Iron
Magnesium

In sample S601611-CRL6:

Low level calibration check failed, reporting limit has been elevated.

Iron

In sample S601611-CRL7:

Low level calibration check failed, reporting limit has been elevated.

Calcium
Iron
Magnesium

In sample S601611-ICV1:

ICV1 was rerun as ICV2, which passed within method criteria.

Sodium

In sample S601581-CCV2:

Chromium in sequence S601581, sample S601581-CCV2: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Magnesium in batch S601611, samples S601611-CCB7, S601611-CCB8: The CCB contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

Iron in batch 1603013, sample 1603013-BSD1: The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Iron in batch 1603013, sample 1603013-BS1: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

In batch 1603013 BS/BSD:

Iron percent recoveries (149/100) are outside individual acceptance criteria (85-115), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

FB-02-09-2016

In batch 1603013 BSD:

Iron RPD 39% (20%) is outside individual acceptance criteria.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1602672 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1602674 from source sample FB-02-09-2016 (SC18063-25).

In batch 1603013 from source sample FB-02-09-2016 (SC18063-25).

In batch 1603039 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1603134 from source sample 023-TP-A (0-1) (SC18063-24).

All method criteria were met with the following exceptions:

Aluminum in batch 1602672, lab sample 1602672-MS1 from source sample 017-TB-H (0-1) (SC18063-17): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Antimony, Manganese, Potassium in batch 1602672, lab sample 1602672-MS1 from source sample 017-TB-H (0-1) (SC18063-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aluminum in batch 1602672, lab sample 1602672-MSD1 from source sample 017-TB-H (0-1) (SC18063-17): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Antimony, Potassium in batch 1602672, lab sample 1602672-MSD1 from source sample 017-TB-H (0-1) (SC18063-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Iron, Magnesium, Nickel in batch 1603039, lab sample 1603039-MS1 from source sample 017-TB-H (0-1) (SC18063-17): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Cadmium, Silver in batch 1603039, lab sample 1603039-MS1 from source sample 017-TB-H (0-1) (SC18063-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Calcium in batch 1603039, lab sample 1603039-MS1 from source sample 017-TB-H (0-1) (SC18063-17): The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Iron, Magnesium, Nickel in batch 1603039, lab sample 1603039-MSD1 from source sample 017-TB-H (0-1) (SC18063-17): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Cadmium, Silver in batch 1603039, lab sample 1603039-MSD1 from source sample 017-TB-H (0-1) (SC18063-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Calcium in batch 1603039, lab sample 1603039-MSD1 from source sample 017-TB-H (0-1) (SC18063-17): The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1602674 from source sample FB-02-09-2016 (SC18063-25).

In batch 1603134 from source sample 023-TP-A (0-1) (SC18063-24).

All method criteria were met with the following exceptions:

Beryllium in batch 1602674, lab sample 1602674-PS1 from source sample FB-02-09-2016 (SC18063-25): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Cadmium in batch 1603134, lab sample 1603134-PS1 from source sample 023-TP-A (0-1) (SC18063-24): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

4. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1602672 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1602674 from source sample FB-02-09-2016 (SC18063-25).

In batch 1603013 from source sample FB-02-09-2016 (SC18063-25).

In batch 1603039 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1603134 from source sample 023-TP-A (0-1) (SC18063-24).

All method criteria were met with the following exceptions:

Barium, Calcium, Zinc in batch 1602674, sample 1602674-DUP1 from source sample FB-02-09-2016 (SC18063-25): Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Manganese, Zinc in batch 1602674, sample 1602674-DUP1 from source sample FB-02-09-2016 (SC18063-25): MRL raised to correlate to batch QC reporting limits.

Iron in batch 1603013, sample 1603013-DUP1 from source sample FB-02-09-2016 (SC18063-25): Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Calcium, Iron, Magnesium in batch 1603039, sample 1603039-DUP1 from source sample 017-TB-H (0-1) (SC18063-17): MRL raised to correlate to batch QC reporting limits.

Nickel in batch 1603039, sample 1603039-DUP1 from source sample 017-TB-H (0-1) (SC18063-17): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Calcium in batch 1603039, sample 1603039-DUP1 from source sample 017-TB-H (0-1) (SC18063-17): The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

E. Serial Dilutions:

In batch S601551, lab sample S601551-SRD1 from source sample 002-SS-3 (0-1) (SC18063-02): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Aluminum (14%), Barium (15%), Chromium (16%), Lead (23%), Manganese (17%), Potassium (16%), Zinc (22%)

In batch S601611, lab sample S601611-SRD1 from source sample 002-SS-3 (0-1) (SC18063-02): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Calcium (16%), Copper (11%), Iron (15%), Magnesium (18%), Nickel (19%)

F. Samples:

All method criteria were met with the following exceptions:

Manganese, Zinc in batch 1602674, sample FB-02-09-2016 (SC18063-25): MRL raised to correlate to batch QC reporting limits.

Calcium, Iron, Magnesium in batch 1603039, samples 002-SS-3 (0-1) (SC18063-02), 003-SSE-1 (0-0.18) (SC18063-03), 006-SSE-3 (0-0.18) (SC18063-06), 007-SS-4 (0-1) (SC18063-07), 008-SS-4 (1.2) (SC18063-08), 009-SSE-4 (0-0.18) (SC18063-09), 010-SSE-5 (0-0.18) (SC18063-10), 012-MW-1R (0-1) (SC18063-12), 013-SS-9 (0-1) (SC18063-13), 015-SS-8 (0-1) (SC18063-15), 016-SS-8 (1.8) (SC18063-16), 017-TB-H (0-1) (SC18063-17), 018-MW-19 (0-1) (SC18063-18), 019-SS-5 (0-1) (SC18063-19), 022-SS-7 (1-2) (SC18063-23), 023-TP-A (0-1) (SC18063-24), DUP1-02-09-2016 (SC18063-20): MRL raised to correlate to batch QC reporting limits.

Calcium, Magnesium, Nickel in batch 1603039, samples 009-SSE-4 (0-0.18) (SC18063-09), 013-SS-9 (0-1) (SC18063-13), 015-SS-8 (0-1) (SC18063-15), 017-TB-H (0-1) (SC18063-17), 018-MW-19 (0-1) (SC18063-18): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Cadmium, Calcium, Copper, Iron, Magnesium, Nickel, Silver, Sodium, Thallium in batch 1603039, samples 012-MW-1R (0-1) (SC18063-12), 018-MW-19 (0-1) (SC18063-18): The Reporting Limit has been raised to account for matrix interference.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18063

Client: Day Environmental, Inc.

Project: McAplin - Rochester, NY / 5211S-16

SDG #: 18063

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 245.1/7470A, SW846 7471B.

IV. PREPARATION

Aqueous samples were prepared according to EPA200/SW7000 Series.

Soil/Sediment samples were prepared according to EPA200/SW7000 Series.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 245.1/7470A, SW846 7471B:

Mercury4 details: Leeman Labs Hydra IIAA Mercury Analyzer

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In sample S601465-CRL1:

CRL1 was rerun as CRL2, which passed within the 30% method criteria.

Mercury

In sample S601465-CRL3:

CRL3 was rerun as CRL4, which passed within the 30% method criteria.

Mercury

In sample S601465-CRL4:

CRL4 is flagging to due to a rounding/significant figure discrepancy between the LIMS system and the instrument software. See raw data file for verification.

Mercury

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1602673 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1602675 from source sample FB-02-09-2016 (SC18063-25).

All method criteria were met.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1602673 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1602675 from source sample FB-02-09-2016 (SC18063-25).

All method criteria were met.

4. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1602673 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1602675 from source sample FB-02-09-2016 (SC18063-25).

All method criteria were met.

E. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18063

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18063

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 335.4 / SW846 9012B, SW846 9012B.

IV. PREPARATION

Aqueous samples were prepared according to General Preparation.

Soil/Sediment samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 335.4 / SW846 9012B, SW846 9012B:

Lachat2 details: Lachat Quikchem 8500

Lachat2 details: Lachat Quikchem 8500

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1602893 from source sample 006-SSE-3 (0-0.18) (SC18063-06).

In batch 1602976 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1603025 from source sample 022-SS-7 (1-2) (SC18063-23).

In batch 1603027 from source sample FB-02-09-2016 (SC18063-25).

All method criteria were met with the following exceptions:

Cyanide (total) in batch 1602893, lab sample 1602893-MS1 from source sample 006-SSE-3 (0-0.18) (SC18063-06): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Cyanide (total) in batch 1602893, lab sample 1602893-MSD1 from source sample 006-SSE-3 (0-0.18) (SC18063-06): RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Cyanide (total) in batch 1602893, lab sample 1602893-MSD1 from source sample 006-SSE-3 (0-0.18) (SC18063-06): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1602893 from source sample 006-SSE-3 (0-0.18) (SC18063-06).

All method criteria were met.

4. Reference:

All method criteria were met with the following exceptions:

Cyanide (total) in batch 1602893: This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

D. Duplicates:

A duplicate was analyzed.

In batch 1602893 from source sample 006-SSE-3 (0-0.18) (SC18063-06).

In batch 1602976 from source sample 017-TB-H (0-1) (SC18063-17).

In batch 1603025 from source sample 022-SS-7 (1-2) (SC18063-23).

In batch 1603027 from source sample FB-02-09-2016 (SC18063-25).

All method criteria were met with the following exceptions:

Cyanide (total) in batch 1602893, sample 1602893-DUP1 from source sample 006-SSE-3 (0-0.18) (SC18063-06): Data confirmed with duplicate analysis.

E. Samples:

All method criteria were met with the following exceptions:

Cyanide (total) in batch 1602893, sample 006-SSE-3 (0-0.18) (SC18063-06): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

DATA USABILITY SUMMARY REPORT

For

MCALPIN - ROCHESTER, NY / 5211S-16
SOIL & WATER SAMPLES

Volatiles, Semi-volatiles, Pesticides, PCBs, Metals, Mercury and Cyanide

SDG No: SC18246
Sampling Dates: February 12, 2016

Submitted to:

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Prepared by:
Environmental Occupational & Public Health Consultants Inc. (EOPHC, Inc.)
Environmental Data Validation Inc (EDV, Inc.)
1326 Orangewood Ave
Pittsburgh, PA 15216
(412) 341-5281

DATA USABILITY SUMMARY REPORT
Volatiles, Semi-volatiles, Pesticides, PCB, Metals & Cyanide
USEPA REGION II

Site: McAlpin SDG #: SC18246

Client: Day Environmental, Inc. Date: June 1, 2016

Laboratory: Spectrum Analytical Reviewer: L. Wright

Sample Identification Table

Client Sample ID	Laboratory ID	Matrix	VOCs	SVOC	Pest/ PCB	Metals/ Mercury	Cyanide
024-SSE-2 (0-0.18)	SC18246-01	Water	X	X	X	X	X
FB-02-12-2016	SC18246-02	Water			X		

The data package contained one soils and one field blank. The samples were analyzed via Method SW-846 8260C, 8270D, 8081B, 8082A 6010C, 7471A and 9012B. The adherence of laboratory analytical performance to this method's analytical specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (DER-10, 11/09). USEPA Region II checklists were used as guidance documents. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, laboratory controls, surrogate recoveries, spike recoveries, and sample data. All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): All criteria were met. The deficiencies noted in the case narrative have been discussed in applicable sections.

Chain of Custody (COC): All were present.

Holding Time: Holding times were within acceptable criterion for all samples and analyses.

Blanks Quality Control: Blanks are acceptable.

Calibration Quality Control: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC18246-01	1,1,2-Trichlorotrifluoroethane (Freon 113) 1,1-Dichloroethene 1,1-Dichloropropene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5-Trichlorobenzene Carbon disulfide Carbon tetrachloride Cyclohexane Ethanol Hexachlorobutadiene Methylcyclohexane	UJ

Sample Identification	Compound	Qualifier
	n-Butylbenzene Tetrachloroethene trans-1,2-Dichloroethene	
SC18246-01	3-Nitroaniline	UJ

Laboratory Control Sample (LCS): The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC18246-01	4-Chloroaniline	UJ

Surrogates: Some recoveries were outside QC limits, but there was no impact on data quality.

Matrix Spike: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC18246-01	Arsenic	J-
SC18246-01	Antimony	UJ

Matrix Duplicate: The results were acceptable.

Serial Dilution: The following were qualified;

Sample Identification	Compound	Qualifier
SC18246-01	Iron, magnesium, nickel, zinc, chromium, potassium, lead, barium, copper	J

Internal Standards: The internal standards did not report any deficiencies and are acceptable.

Compound Quantitation: Quantitation was acceptable.

Additional Comments: None

Data usability: Data qualified with the "UJ" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "J" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "R" qualifier are not usable due to severe quality control issues. Data qualified with the "U" qualifier are usable as there are no quality control issues.

ATTACHMENT A

FORM 1s

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	1824601.D
Sampled:	02/12/16 10:50	Prepared:	02/19/16 09:23	Analyzed:	02/20/16 05:40
% Solids:	73.87	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.36 g / 5 ml
Batch:	1602946	Sequence:	S601379	Calibration:	1512048
Instrument:	HPV9				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.2	2.2	5.8	U
67-64-1	Acetone	6.4	6.4	58.2	U
107-13-1	Acrylonitrile	2.2	2.2	5.8	U
71-43-2	Benzene	1.1	1.1	5.8	U
108-86-1	Bromobenzene	1.1	1.1	5.8	U
74-97-5	Bromochloromethane	2.3	2.3	5.8	U
75-27-4	Bromodichloromethane	1.5	1.5	5.8	U
75-25-2	Bromoform	1.6	1.6	5.8	U
74-83-9	Bromomethane	3.3	3.3	11.6	U
78-93-3	2-Butanone (MEK)	3.4	3.4	58.2	U
104-51-8	n-Butylbenzene	0.9	0.9	5.8	U
135-98-8	sec-Butylbenzene	1.3	1.3	5.8	U
98-06-6	tert-Butylbenzene	2.4	2.4	5.8	U
75-15-0	Carbon disulfide	1.3	1.3	11.6	U
56-23-5	Carbon tetrachloride	1.3	1.3	5.8	U
108-90-7	Chlorobenzene	0.9	0.9	5.8	U
75-00-3	Chloroethane	2.0	2.0	11.6	U
67-66-3	Chloroform	1.9	1.9	5.8	U
74-87-3	Chloromethane	1.9	1.9	11.6	U
95-49-8	2-Chlorotoluene	1.5	1.5	5.8	U
106-43-4	4-Chlorotoluene	1.1	1.1	5.8	U
96-12-8	1,2-Dibromo-3-chloropropane	4.3	4.3	11.6	U
124-48-1	Dibromochloromethane	1.3	1.3	5.8	U
106-93-4	1,2-Dibromoethane (EDB)	1.2	1.2	5.8	U
74-95-3	Dibromomethane	1.2	1.2	5.8	U
95-50-1	1,2-Dichlorobenzene	1.0	1.0	5.8	U
541-73-1	1,3-Dichlorobenzene	0.9	0.9	5.8	U
106-46-7	1,4-Dichlorobenzene	1.4	1.4	5.8	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.9	1.9	11.6	U
75-34-3	1,1-Dichloroethane	1.8	1.8	5.8	U
107-06-2	1,2-Dichloroethane	1.4	1.4	5.8	U
75-35-4	1,1-Dichloroethene	2.8	2.8	5.8	U
156-59-2	cis-1,2-Dichloroethene	2.1	2.1	5.8	U
156-60-5	trans-1,2-Dichloroethene	2.5	2.5	5.8	U
78-87-5	1,2-Dichloropropane	2.3	2.3	5.8	U
142-28-9	1,3-Dichloropropane	1.1	1.1	5.8	U
594-20-7	2,2-Dichloropropane	2.8	2.8	5.8	U
563-58-6	1,1-Dichloropropene	1.5	1.5	5.8	U
10061-01-5	cis-1,3-Dichloropropene	1.5	1.5	5.8	U

lw 6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	1824601.D
Sampled:	02/12/16 10:50	Prepared:	02/19/16 09:23	Analyzed:	02/20/16 05:40
% Solids:	73.87	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.36 g / 5 ml
Batch:	1602946	Sequence:	S601379	Calibration:	1512048
Instrument:	HPV9				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	2.0	2.0	5.8	U
100-41-4	Ethylbenzene	1.0	1.0	5.8	U
87-68-3	Hexachlorobutadiene	1.2	1.2	5.8	U
591-78-6	2-Hexanone (MBK)	3.9	3.9	58.2	U
98-82-8	Isopropylbenzene	1.1	1.1	5.8	U
99-87-6	4-Isopropyltoluene	5.5	5.5	5.8	U
1634-04-4	Methyl tert-butyl ether	2.2	2.2	5.8	U
108-10-1	4-Methyl-2-pentanone (MIBK)	3.1	3.1	58.2	U
75-09-2	Methylene chloride	1.7	1.7	11.6	U
91-20-3	Naphthalene	1.0	1.0	5.8	U
103-65-1	n-Propylbenzene	5.6	5.6	5.8	U
100-42-5	Styrene	1.0	1.0	5.8	U
630-20-6	1,1,1,2-Tetrachloroethane	1.2	1.2	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	3.2	3.2	5.8	U
127-18-4	Tetrachloroethene	2.2	2.2	5.8	U
108-88-3	Toluene	1.3	1.3	5.8	U
87-61-6	1,2,3-Trichlorobenzene	1.3	1.3	5.8	U
120-82-1	1,2,4-Trichlorobenzene	1.7	1.7	5.8	U
71-55-6	1,1,1-Trichloroethane	1.5	1.5	5.8	U
108-70-3	1,3,5-Trichlorobenzene	1.2	1.2	5.8	U
79-00-5	1,1,2-Trichloroethane	1.6	1.6	5.8	U
79-01-6	Trichloroethene	1.0	1.0	5.8	U
75-69-4	Trichlorofluoromethane (Freon 11)	2.1	2.1	5.8	U
96-18-4	1,2,3-Trichloropropane	1.1	1.1	5.8	U
95-63-6	1,2,4-Trimethylbenzene	1.5	1.5	5.8	U
108-67-8	1,3,5-Trimethylbenzene	1.7	1.7	5.8	U
75-01-4	Vinyl chloride	2.1	2.1	5.8	U
179601-23-1	m,p-Xylene	1.1	1.1	11.6	U
95-47-6	o-Xylene	1.2	1.2	5.8	U
109-99-9	Tetrahydrofuran	6.2	6.2	11.6	U
60-29-7	Ethyl ether	1.3	1.3	5.8	U
994-05-8	Tert-amyl methyl ether	1.8	1.8	5.8	U
637-92-3	Ethyl tert-butyl ether	1.9	1.9	5.8	U
108-20-3	Di-isopropyl ether	0.9	0.9	5.8	U
75-65-0	Tert-Butanol / butyl alcohol	33.9	33.9	58.2	U
110-57-6	trans-1,4-Dichloro-2-butene	7.5	7.5	29.1	U
110-82-7	Cyclohexane	1.4	1.4	29.1	U
1330-20-7	Total Xylenes	1.1	1.1	5.8	U
79-20-9	Methyl acetate	1.8	1.8	29.1	U

lw 6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/17/16 12:30		
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	1824601.D		
Sampled:	02/12/16 10:50	Prepared:	02/19/16 09:23	Analyzed:	02/20/16 05:40		
% Solids:	73.87	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.36 g / 5 ml		
Batch:	1602946	Sequence:	S601379	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.4	1.4	29.1	U J
123-91-1	1,4-Dioxane	65.4	65.4	116	U
64-17-5	Ethanol	134	134	2330	U J

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/17/16 12:30		
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	1824601.D		
Sampled:	02/12/16 10:50	Prepared:	02/19/16 09:23	Analyzed:	02/20/16 05:40		
% Solids:	73.87	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.36 g / 5 ml		
Batch:	1602946	Sequence:	S601379	Calibration:	1512048	Instrument:	HPV9
Reported to:	MDL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	C1824601.D
Sampled:	02/12/16 10:50	Prepared:	02/18/16 13:03	Analyzed:	02/23/16 20:32
% Solids:	73.87	Preparation:	SW846 3545A	Initial/Final:	30.0964 g / 1 ml
Batch:	1602863	Sequence:	S601519	Calibration:	1601040
Instrument:	HPS4				
Reported to:	MDL	Dilution:	5		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	652	105	450	
208-96-8	Acenaphthylene	117	95.5	450	J
62-53-3	Aniline	459	459	2230	U
120-12-7	Anthracene	1520	103	450	
103-33-3	Azobenzene/Diphenyldiazene	537	537	2230	U
92-87-5	Benzidine	545	545	2230	U
56-55-3	Benzo (a) anthracene	6690	93.2	450	
50-32-8	Benzo (a) pyrene	5910	93.8	450	
205-99-2	Benzo (b) fluoranthene	8810	103	450	
191-24-2	Benzo (g,h,i) perylene	2630	97.5	450	
207-08-9	Benzo (k) fluoranthene	2680	103	450	
65-85-0	Benzoic acid	520	520	2230	U
100-51-6	Benzyl alcohol	409	409	2230	U
111-91-1	Bis(2-chloroethoxy)methane	407	407	2230	U
111-44-4	Bis(2-chloroethyl)ether	405	405	1130	U
108-60-1	Bis(2-chloroisopropyl)ether	404	404	1130	U
117-81-7	Bis(2-ethylhexyl)phthalate	556	556	1130	U
101-55-3	4-Bromophenyl phenyl ether	450	450	2230	U
85-68-7	Butyl benzyl phthalate	494	494	2230	U
86-74-8	Carbazole	1750	572	1130	
59-50-7	4-Chloro-3-methylphenol	462	462	2230	U
106-47-8	4-Chloroaniline	460	460	1130	U
91-58-7	2-Chloronaphthalene	392	392	2230	U
95-57-8	2-Chlorophenol	398	398	1130	U
7005-72-3	4-Chlorophenyl phenyl ether	418	418	2230	U
218-01-9	Chrysene	6210	110	450	
53-70-3	Dibenzo (a,h) anthracene	742	82.7	450	
132-64-9	Dibenzofuran	335	82.7	1130	J
95-50-1	1,2-Dichlorobenzene	374	374	2230	U
541-73-1	1,3-Dichlorobenzene	395	395	2230	U
106-46-7	1,4-Dichlorobenzene	369	369	2230	U
91-94-1	3,3´-Dichlorobenzidine	452	452	2230	U
120-83-2	2,4-Dichlorophenol	383	383	1130	U
84-66-2	Diethyl phthalate	465	465	2230	U
131-11-3	Dimethyl phthalate	439	439	2230	U
105-67-9	2,4-Dimethylphenol	382	382	2230	U
84-74-2	Di-n-butyl phthalate	500	500	2230	U
534-52-1	4,6-Dinitro-2-methylphenol	592	592	2230	U
51-28-5	2,4-Dinitrophenol	586	586	2230	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/17/16 12:30		
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	C1824601.D		
Sampled:	02/12/16 10:50	Prepared:	02/18/16 13:03	Analyzed:	02/23/16 20:32		
% Solids:	73.87	Preparation:	SW846 3545A	Initial/Final:	30.0964 g / 1 ml		
Batch:	1602863	Sequence:	S601519	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	464	464	1130	U
606-20-2	2,6-Dinitrotoluene	437	437	1130	U
117-84-0	Di-n-octyl phthalate	481	481	2230	U
206-44-0	Fluoranthene	13300	113	450	
86-73-7	Fluorene	535	108	450	
118-74-1	Hexachlorobenzene	492	492	1130	U
87-68-3	Hexachlorobutadiene	358	358	1130	U
77-47-4	Hexachlorocyclopentadiene	411	411	1130	U
67-72-1	Hexachloroethane	433	433	1130	U
193-39-5	Indeno (1,2,3-cd) pyrene	3310	92.0	450	
78-59-1	Isophorone	393	393	1130	U
91-57-6	2-Methylnaphthalene	171	92.8	450	J
95-48-7	2-Methylphenol	400	400	2230	U
108-39-4, 106-44	3 & 4-Methylphenol	501	501	2230	U
91-20-3	Naphthalene	245	91.7	450	J
88-74-4	2-Nitroaniline	446	446	2230	U
99-09-2	3-Nitroaniline	533	533	2230	U J
100-01-6	4-Nitroaniline	644	644	1130	U
98-95-3	Nitrobenzene	437	437	1130	U
88-75-5	2-Nitrophenol	373	373	1130	U
100-02-7	4-Nitrophenol	602	602	8910	U
62-75-9	N-Nitrosodimethylamine	442	442	1130	U
621-64-7	N-Nitrosodi-n-propylamine	479	479	1130	U
86-30-6	N-Nitrosodiphenylamine	524	524	2230	U
87-86-5	Pentachlorophenol	530	530	2230	U
85-01-8	Phenanthrene	6630	110	450	
108-95-2	Phenol	405	405	2230	U
129-00-0	Pyrene	10800	95.9	450	
110-86-1	Pyridine	482	482	2230	U
120-82-1	1,2,4-Trichlorobenzene	354	354	2230	U
90-12-0	1-Methylnaphthalene	169	114	450	J
95-95-4	2,4,5-Trichlorophenol	461	461	2230	U
88-06-2	2,4,6-Trichlorophenol	427	427	1130	U
82-68-8	Pentachloronitrobenzene	477	477	2230	U
95-94-3	1,2,4,5-Tetrachlorobenzene	404	404	2230	U

lw-6/1/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	02/17/16 12:30		
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	C1824601.D		
Sampled:	02/12/16 10:50	Prepared:	02/18/16 13:03	Analyzed:	02/23/16 20:32		
% Solids:	73.87	Preparation:	SW846 3545A	Initial/Final:	30.0964 g / 1 ml		
Batch:	1602863	Sequence:	S601519	Calibration:	1601040	Instrument:	HPS4
Reported to:	MDL	Dilution:	5				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000192-97-2	Benzo[e]pyrene	14.579	4200	JN

lw-6/1/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	1824601.D
Sampled:	02/12/16 10:50	Prepared:	02/18/16 13:16	Analyzed:	02/18/16 21:41
% Solids:	73.87	Preparation:	SW846 3550C	Initial/Final:	10.0739 g / 10 ml
Batch:	1602868	Sequence:	S601431	Calibration:	1601013
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	24.2	24.2	26.9	U
11104-28-2	Aroclor-1221	20.6	20.6	26.9	U
11141-16-5	Aroclor-1232	24.1	24.1	26.9	U
53469-21-9	Aroclor-1242	16.7	16.7	26.9	U
12672-29-6	Aroclor-1248	16.8	16.8	26.9	U
11097-69-1	Aroclor-1254	18.5	18.5	26.9	U
11096-82-5	Aroclor-1260	18.8	18.8	26.9	U
37324-23-5	Aroclor-1262	24.1	24.1	26.9	U
11100-14-4	Aroclor-1268	26.4	26.4	26.9	U

lw-6/1/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

FB-02-12-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Aqueous	Laboratory ID:	SC18246-02	File ID:	1824602.D
Sampled:	02/12/16 12:00	Prepared:	02/19/16 07:10	Analyzed:	02/23/16 16:00
% Solids:		Preparation:	SW846 3510C	Initial/Final:	950 ml / 10 ml

Batch: 1602943 Sequence: S601523 Calibration: 1601013 Instrument: HPS11

Injection Volume (uL): 2.00

Reported to: MDL Dilution: 1

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
12674-11-2	Aroclor-1016	0.120	0.120	0.211	U
11104-28-2	Aroclor-1221	0.114	0.114	0.211	U
11141-16-5	Aroclor-1232	0.132	0.132	0.211	U
53469-21-9	Aroclor-1242	0.0821	0.0821	0.211	U
12672-29-6	Aroclor-1248	0.119	0.119	0.211	U
11097-69-1	Aroclor-1254	0.0789	0.0789	0.211	U
11096-82-5	Aroclor-1260	0.0653	0.0653	0.211	U
37324-23-5	Aroclor-1262	0.103	0.103	0.211	U
11100-14-4	Aroclor-1268	0.143	0.143	0.211	U

lw-6/1/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	1824601P.D
Sampled:	02/12/16 10:50	Prepared:	02/22/16 06:56	Analyzed:	02/24/16 16:53
% Solids:	73.87	Preparation:	SW846 3545A	Initial/Final:	20.4886 g / 10 ml
Batch:	1603030	Sequence:	S601555	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	1.59	1.59	6.61	U
319-85-7	beta-BHC	1.87	1.87	6.61	U
319-86-8	delta-BHC	1.68	1.68	6.61	U
58-89-9	gamma-BHC (Lindane)	1.71	1.71	3.96	U
76-44-8	Heptachlor	1.73	1.73	6.61	U
309-00-2	Aldrin	1.79	1.79	6.61	U
1024-57-3	Heptachlor epoxide	1.83	1.83	6.61	U
959-98-8	Endosulfan I	1.91	1.91	6.61	U
60-57-1	Dieldrin	1.85	1.85	6.61	U
72-55-9	4,4'-DDE (p,p')	1.77	1.77	6.61	U
72-20-8	Endrin	2.04	2.04	10.6	U
33213-65-9	Endosulfan II	1.96	1.96	10.6	U
72-54-8	4,4'-DDD (p,p')	1.89	1.89	10.6	U
1031-07-8	Endosulfan sulfate	2.08	2.08	10.6	U
50-29-3	4,4'-DDT (p,p')	1.94	1.94	10.6	U
72-43-5	Methoxychlor	2.03	2.03	10.6	U
53494-70-5	Endrin ketone	2.01	2.01	10.6	U
7421-93-4	Endrin aldehyde	1.84	1.84	10.6	U
5103-71-9	alpha-Chlordane	1.91	1.91	6.61	U
5566-34-7	gamma-Chlordane	1.74	1.74	6.61	U
8001-35-2	Toxaphene	57.5	57.5	132	U
57-74-9	Chlordane	24.6	24.6	26.4	U
15972-60-8	Alachlor	1.77	1.77	6.61	U

lw-6/1/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

FB-02-12-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Aqueous	Laboratory ID:	SC18246-02	File ID:	1824602P.D
Sampled:	02/12/16 12:00	Prepared:	02/19/16 07:13	Analyzed:	02/22/16 15:50
% Solids:		Preparation:	SW846 3510C	Initial/Final:	950 ml / 10 ml
Batch:	1602944	Sequence:	S601467	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MDL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
319-84-6	alpha-BHC	0.019	0.019	0.021	U
319-85-7	beta-BHC	0.018	0.018	0.021	U
319-86-8	delta-BHC	0.019	0.019	0.021	U
58-89-9	gamma-BHC (Lindane)	0.020	0.020	0.021	U
76-44-8	Heptachlor	0.020	0.020	0.021	U
309-00-2	Aldrin	0.018	0.018	0.021	U
1024-57-3	Heptachlor epoxide	0.016	0.016	0.021	U
959-98-8	Endosulfan I	0.018	0.018	0.021	U
60-57-1	Dieldrin	0.013	0.013	0.021	U
72-55-9	4,4'-DDE (p,p')	0.016	0.016	0.021	U
72-20-8	Endrin	0.024	0.024	0.042	U
33213-65-9	Endosulfan II	0.016	0.016	0.042	U
72-54-8	4,4'-DDD (p,p')	0.016	0.016	0.042	U
1031-07-8	Endosulfan sulfate	0.015	0.015	0.042	U
50-29-3	4,4'-DDT (p,p')	0.022	0.022	0.042	U
72-43-5	Methoxychlor	0.022	0.022	0.042	U
53494-70-5	Endrin ketone	0.020	0.020	0.042	U
7421-93-4	Endrin aldehyde	0.013	0.013	0.042	U
5103-71-9	alpha-Chlordane	0.014	0.014	0.021	U
5566-34-7	gamma-Chlordane	0.019	0.019	0.021	U
8001-35-2	Toxaphene	0.324	0.324	0.526	U
57-74-9	Chlordane	0.068	0.068	0.068	U
15972-60-8	Alachlor	0.018	0.018	0.021	U

lw-6/1/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	20160226-155
Sampled:	02/12/16 10:50	Prepared:	02/24/16 12:30		
% Solids:	73.87	Preparation:	SW846 3050B	Initial/Final:	1.1415 g / 50 ml
Batch:	1603220	Sequence:	S601730	Calibration:	1603001
Instrument:	ICAP2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-89-6	Iron	13400	1	1.71	4.74	
7439-92-1	Lead	137	1	0.548	1.78	
7439-95-4	Magnesium	3280	1	2.43	5.93	
7439-96-5	Manganese	228	1	0.395	1.25	
7440-02-0	Nickel	26.5	1	0.218	1.19	
7440-09-7	Potassium	1320	1	9.02	59.3	
7440-23-5	Sodium	73.1	1	7.31	29.6	
7440-66-6	Zinc	173	1	0.491	1.19	
7429-90-5	Aluminum	9880	1	1.59	5.93	
7440-36-0	Antimony	0.881	1	0.881	5.93	U
7440-38-2	Arsenic	6.40	1	0.476	1.78	
7440-39-3	Barium	103	1	0.431	1.19	
7440-41-7	Beryllium	0.484	1	0.172	0.593	J
7440-43-9	Cadmium	0.347	1	0.140	0.593	J
7440-70-2	Calcium	8330	1	11.5	31.1	
7440-47-3	Chromium	20.0	1	0.352	1.19	
7440-48-4	Cobalt	4.63	1	0.337	1.25	
7440-50-8	Copper	88.9	1	0.374	1.19	
7782-49-2	Selenium	0.522	1	0.473	1.78	J
7440-22-4	Silver	0.984	1	0.524	1.78	J
7440-28-0	Thallium	0.916	1	0.916	3.56	U
7440-62-2	Vanadium	15.9	1	0.579	1.78	

lw-6/1/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	022516-018
Sampled:	02/12/16 10:50	Prepared:	02/24/16 12:30		
% Solids:	73.87	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6908 g / 29.9 ml
Batch:	1603221	Sequence:	S601736	Calibration:	1603003
Instrument:	Mercury4				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.142	1	0.0111	0.0353	

lw-6/1/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	OM_2-20-2016_03-52-19PM-024
Sampled:	02/12/16 10:50	Prepared:	02/20/16 12:26	Analyzed:	02/20/16 16:13
% Solids:	73.87	Preparation:	General Preparation	Initial/Final:	0.5085 g / 50 ml
Batch:	1603025	Sequence:	S601418	Calibration:	1602042
Instrument:	Lachat2				
Reported to:	MDL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.589	1	0.589	0.666	U

lw-6/1/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

024-SSE-2 (0-0.18)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	18246
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	02/17/16 12:30
Matrix:	Soil	Laboratory ID:	SC18246-01	File ID:	
Sampled:	02/12/16 10:50	Prepared:	02/23/16 16:12	Analyzed:	02/23/16 17:24
% Solids:	73.87	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1603197	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MDL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	73.9	1			

lw-6/1/16

ATTACHMENT B

CASE NARRATIVE & COC

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18246

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18246

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8260C, SW846 8260C.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 5035A Soil (low level).

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8260C, SW846 8260C:

HPV9 details: GC/MS EST Model 8100 autosampler EST Encon sample concentrator
Supelco vocarb 3000 (K) trap and conditions used Agilent 6890N series
gas chromatograph Agilent 5975 Mass Selective Detector
Column – DB-VRX, 20 meters, 0.18mm diameter 1.0um film

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1512048:

The following analytes, Acetone, 2-Butanone (MEK), 1,2-Dibromo-3-Chloropropane, 2-Hexanone (MBK) and 4-Methyl-2-Pentanone (MIBK) are flagged on Form VI – Initial Calibration Data, for ICAL 1512048/S9122815.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2-Dibromo-3-chloropropane, 1,4-Dioxane, 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromoform, cis-1,3-Dichloropropene, Dibromochloromethane, Naphthalene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene

This affected the following samples:

S601379-CCV1, S511606-ICV1, 1602946-BSD1, 1602946-BS1, 1602946-BLK1, 024-SSE-2 (0-0.18)

In sample S601379-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (-25.3%)
1,1-Dichloroethene (-25.6%)
1,1-Dichloropropene (-24.2%)
1,2,3-Trichlorobenzene (-21.7%)
1,2,4-Trichlorobenzene (-31.6%)
1,3,5-Trichlorobenzene (-22.5%)
Carbon disulfide (-28.3%)
Carbon tetrachloride (-22.8%)
Cyclohexane (-22.2%)
Ethanol (27.2%)
Hexachlorobutadiene (-21.7%)
Methylcyclohexane (-25.8%)
n-Butylbenzene (-21.9%)
Tetrachloroethene (-21.8%)
trans-1,2-Dichloroethene (-22.2%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

4-Methyl-2-pentanone (MIBK) (-21.0%)
Naphthalene (-30.0%)

This affected the following samples:

024-SSE-2 (0-0.18), 1602946-BLK1, 1602946-BS1, 1602946-BSD1

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1602946, sample 1602946-BLK1: None found

C. Surrogates:

All method criteria were met with the following exceptions:

1,2-Dichloroethane-d4 in batch 1602946, sample 024-SSE-2 (0-0.18) (SC18246-01): Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates with three required by program methods.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

1,2,4-Trichlorobenzene in batch 1602946, sample 1602946-BS1: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

In batch 1602946 BS/BSD:

1,2,4-Trichlorobenzene percent recoveries (68/70) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

024-SSE-2 (0-0.18)

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18246

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18246

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8270D, SW846 8270D.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8270D, SW846 8270D:

HPS4 details: Agilent 6890 with 5973 MS: Phenomenex ZB-Semivolatiles (30M, 0.25mm, 0.25um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1601040:

The following analytes, Bis(2-chloroethyl)ether, 2-Methylphenol & N-Nitrosodi-n-propylamine, are flagged on Form VI – Initial Calibration Data, for ICAL 1601040/SV40126R.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitrophenol, Benzidine

This affected the following samples:

S600677-ICV1

In sample S601409-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

3-Nitroaniline (22.8%)
4-Nitroaniline (21.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

4-Nitrophenol (38.5%)

This affected the following samples:

1602863-BLK1, 1602863-BS1

In sample S601519-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Methylnaphthalene (26.9%)
3-Nitroaniline (24.7%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

4-Nitrophenol (40.7%)

This affected the following samples:

024-SSE-2 (0-0.18)

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1602863, sample 1602863-BLK1: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

4-Chloroaniline in batch 1602863, sample 1602863-BS1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

In batch 1602863 BS:

4-Chloroaniline percent recovery 38 (40-140) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

024-SSE-2 (0-0.18)

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

Benzo[e]pyrene in batch 1602863, sample 024-SSE-2 (0-0.18) (SC18246-01): (Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

In batch 1602863, sample 024-SSE-2 (0-0.18) (SC18246-01): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18246

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18246

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8082A.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

Soil/Sediment samples were prepared according to SW846 3550C.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8082A:

HPS11 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) and DB-5MS column ((30m, 0.53mmID 1.50 df)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

A duplicate was analyzed.

In batch 1602943 from source sample FB-02-12-2016 (SC18246-02).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18246

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18246

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8081B.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8081B:

HPS14 details: Agilent 6890 RTX-CLPesticides 2 column (30m, 0.53mmID, 0.42um)
RTX-CLP confirmation column (30m, 0.53mmID, 0.5um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met with the following exceptions:

Decachlorobiphenyl (Sr) in batch 1603030, samples 024-SSE-2 (0-0.18) (SC18246-01), 1603030-DUP1, 1603030-MS1, 1603030-MSD1: Duplicate analysis confirmed surrogate failure due to matrix effects.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1603030 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

All method criteria were met with the following exceptions:

Aldrin, Methoxychlor in batch 1603030, lab sample 1603030-MS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aldrin, Methoxychlor in batch 1603030, lab sample 1603030-MSD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

E. Duplicates:

A duplicate was analyzed.

In batch 1602944 from source sample FB-02-12-2016 (SC18246-02).

In batch 1603030 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18246

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18246

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 6010C.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3050B.

Soil/Sediment samples were prepared according to SW846 3051A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 6010C:

ICAP2 details: Thermo ICAP 6000 series CETAC Autosampler

ICAP4 details: Thermo ICAP 6000 series CETAC Autosampler

All sample data within this SDG was generated after ICP-AES interelement corrections and background corrections were applied.

Samples are diluted when concentrations exceed the highest calibration standard in the associated curve, therefore Linear Ranges are not performed.

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

Selenium, Silver in sequence S601730, samples S601730-CCV2, S601730-CCV3: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1603220 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

In batch 1603484 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

In batch 1603539 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

All method criteria were met with the following exceptions:

Aluminum, Iron, Magnesium in batch 1603220, lab sample 1603220-MS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Antimony in batch 1603220, lab sample 1603220-MS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Arsenic in batch 1603220, lab sample 1603220-MS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aluminum, Iron, Magnesium in batch 1603220, lab sample 1603220-MSD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Antimony in batch 1603220, lab sample 1603220-MSD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Copper, Potassium in batch 1603484, lab sample 1603484-MS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Lead in batch 1603484, lab sample 1603484-MS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Copper in batch 1603484, lab sample 1603484-MSD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.

Potassium in batch 1603484, lab sample 1603484-MSD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Lead in batch 1603484, lab sample 1603484-MSD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Calcium in batch 1603539, lab sample 1603539-MS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Calcium in batch 1603539, lab sample 1603539-MSD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1603220 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

In batch 1603484 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

In batch 1603539 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

All method criteria were met with the following exceptions:

Aluminum, Iron, Magnesium in batch 1603220, lab sample 1603220-PS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Arsenic in batch 1603220, lab sample 1603220-PS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Calcium in batch 1603539, lab sample 1603539-PS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Manganese in batch 1603539, lab sample 1603539-PS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

4. Reference:

All method criteria were met with the following exceptions:

Arsenic, Nickel in batch 1603220: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Copper in batch 1603484: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

D. Duplicates:

A duplicate was analyzed.

In batch 1603220 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

In batch 1603484 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

In batch 1603539 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

All method criteria were met with the following exceptions:

Selenium in batch 1603220, sample 1603220-DUP1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Calcium in batch 1603539, sample 1603539-DUP1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

E. Serial Dilutions:

In batch S601730, lab sample S601730-SRD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Aluminum (12%), Chromium (18%), Iron (18%), Magnesium (18%), Nickel (22%), Zinc (23%)

In batch S601731, lab sample S601731-SRD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Barium (14%), Copper (13%), Lead (25%), Potassium (16%)

In batch S601732, lab sample S601732-SRD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Calcium (11%)

F. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18246

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18246

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 7471B.

IV. PREPARATION

Soil/Sediment samples were prepared according to EPA200/SW7000 Series.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 7471B:

Mercury4 details: Leeman Labs Hydra IIAA Mercury Analyzer

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In sample S601736-CRL1:

CRL1 was rerun as CRL2, which passed within the 30% method criteria.

Mercury

In sample S601736-ICV1:

ICV1 was rerurn as ICV2 to meet the method requirement for a 5% recovery in either the ICV or CCV in the initial QCs.

Mercury

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1603221 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

All method criteria were met with the following exceptions:

Mercury in batch 1603221, lab sample 1603221-MSD1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1603221 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

All method criteria were met with the following exceptions:

Mercury in batch 1603221, lab sample 1603221-PS1 from source sample 024-SSE-2 (0-0.18) (SC18246-01): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

4. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1603221 from source sample 024-SSE-2 (0-0.18) (SC18246-01).

All method criteria were met.

E. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC18246

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 18246

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 9012B.

IV. PREPARATION

Soil/Sediment samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 9012B:

Lachat2 details: Lachat Quikchem 8000

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

3. Reference:

All method criteria were met.

D. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

E. Samples:

All method criteria were met.

SC18246 EDD

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [X] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Ave
Rochester, NY 14606

Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME

P.O No.: _____ Quote #: _____

Project No: 52115-16
Site Name: McAlpin
Location: 50 Balfour Drive, Rochester State: NY
Sampler(s): Sean Reese

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	Check if chlorinated
SC18246-01	SB24-SSE-2(0-0.18)	2/12/2016	10:50	G	SO	3	2			X	X	X	X	X	X	☐
-02	FB-02-12-2016	2/12/2016	12:00	C	DI		2							X	X	☐
																☐
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List Preservative Code below: 7

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☒ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

VOC vials frozen at 12:10 2/12/2016

client notified of matrix addition e 2/18/16

5.8 10 5.8 IR 3 CAS 2/17/16

Relinquished by:	Received by:	Date:	Time:
[signature]	Tony Cognigni	2/17/16	12:30
[signature]	[signature]	2/18/16	1147

Temp °C: Observed 3.1; Correction Factor 0; Corrected 3.1; IR ID # C1

☑ EDD format: NYS DOC Equis
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☒ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☒ DI VOA Frozen ☐ Soil Jar Frozen

DATA USABILITY SUMMARY REPORT

For

McALPIN - ROCHESTER, NY / 5211S-16
SOIL & WATER SAMPLES

Volatiles, Semi-volatiles, Pesticides, PCBs, Metals, Mercury and Cyanide

SDG No: SC19901
Sampling Dates: April 4-5, 2016

Submitted to:

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Prepared by:
Environmental Occupational & Public Health Consultants Inc. (EOPHC, Inc.)
Environmental Data Validation Inc (EDV, Inc.)
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DATA USABILITY SUMMARY REPORT
Volatiles, Semi-volatiles, Pesticide, PCB, Metals & Cyanides
USEPA REGION II

Site: McAlpin SDG #: SC19901

Client: Day Environmental, Inc. Date: June 6, 2016

Laboratory: Spectrum Analytical Reviewer: L. Wright

Sample Identification Table

Client Sample ID	Laboratory ID	Matrix	VOCs	SVOC	Pest/ PCB	Metals/ Mercury	Cyanide
043-DUP4	SC19901-01	Soil	X	X	X	X	X
044-TB-A (4.5-7.5)	SC19901-03	Soil	X	X	X	X	X
045-TB-B (4-6)	SC19901-05	Soil	X	X	X	X	X
046-TB-C (4-6)	SC19901-07	Soil	X	X	X	X	X
047-TB-D (9-12)	SC19901-11	Soil	X	X	X	X	X
048-TB-E (5-7)	SC19901-13	Soil	X	X	X	X	X
049-TB-EE (1-4)	SC19901-15	Soil	X	X	X	X	X
050-TB-F (4-7)	SC19901-18	Soil	X	X	X	X	X
051-TB-L (7-9.5)	SC19901-22	Soil	X	X	X	X	X
052-FB-04-05-2016	SC19901-23	Water	X	X	X	X	X

The data package contained nine (9) soils and one (1) water sample. The samples were analyzed via Method SW-846 8260C, 8270D, 8081B, 8082A, 6010C and 9012. The adherence of laboratory analytical performance to this method's analytical specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (DER-10, 11/09). USEPA Region II checklists were used as guidance documents. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, laboratory controls, surrogate recoveries, spike recoveries, and sample data. All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): All criteria were met. The deficiencies noted in the case narrative have been discussed in applicable sections.

Chain of Custody (COC): All were present.

Preservation: Method 5035A collection and preservation was acceptable.

Holding Time: Holding times were within acceptable criterion for all samples and analyses.

Blanks Quality Control: The results were acceptable.

Calibration Quality Control: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19901-23	2-Chlorotoluene	UJ

Sample Identification	Compound	Qualifier
	Carbon tetrachloride Ethanol Isopropylbenzene Trichlorofluoromethane (Freon 11)	
SC19901-03 SC19901-07 SC19901-15	2-Hexanone (MBK) Naphthalene	UJ
SC19901-15	Dichlorodifluoromethane (Freon12) Methyl acetate	UJ
SC19901-05 SC19901-11 SC19901-13	1,2-Dibromo-3-chloropropane 4-Methyl-2-pentanone (MIBK) Bromoform Tert-Butanol / butyl alcohol Tetrachloroethene Tetrahydrofuran	UJ
SC19901-18	1,1,2-Trichlorotrifluoroethane (Freon 113) 1,1-Dichloroethene sec-Butylbenzene tert-Butylbenzene Trichlorofluoromethane (Freon 11)	UJ
SC19901-01 SC19901-03 SC19901-05 SC19901-07 SC19901-11 SC19901-13 SC19901-15 SC19901-18 SC19901-22	1-Methylnaphthalene 2,4-Dinitrotoluene 2-Nitroaniline 4-Chloro-3-methylphenol Hexachlorocyclopentadiene Indeno (1,2,3-cd) pyrene	UJ
SC19901-15	Indeno (1,2,3-cd) pyrene 1-Methylnaphthalene	J
052-FB-04-05-2016	2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,6-Dinitrotoluene 2-Nitroaniline 4-Chloro-3-methylphenol 4-Nitroaniline Butyl benzyl phthalate Hexachlorocyclopentadiene Indeno (1,2,3-cd) pyrene 2,4-Dinitrophenol Benzidine	UJ

Laboratory Control Sample (LCS): The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19901-05 SC19901-11 SC19901-13	DBCP, acetone, trichloroethene	UJ
SC19901-23	4-Nitrophenol Benzoic acid Pyridine	UJ

Surrogates: The results were acceptable.

Matrix Spike: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19901-01	Lead, nickel, potassium, cobalt	J
	Antimony, cadmium, silver	UJ
SC19901-03, SC19901-05 SC19901-07 SC19901-11 SC19901-13	Lead, nickel, potassium, cobalt	J
	Antimony, cadmium, silver	UJ
SC19901-15	Lead, nickel, potassium, cadmium, cobalt	J
	Antimony, silver	UJ
SC19901-18	Lead, nickel, potassium, cobalt	J
	Antimony, silver	UJ
SC19901-22	Lead, nickel, potassium, cobalt	J
	Antimony, cadmium, silver	UJ

Serial Dilution: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19901-01 SC19901-03 SC19901-05 SC19901-07	Manganese, barium, aluminum, calcium, chromium, copper, iron, vanadium	J

Sample Identification	Compound	Qualifier
SC19901-11 SC19901-13 SC19901-15 SC19901-18 SC19901-22		

Internal Standards: The internal standards did not report any deficiencies and are acceptable.

Field Duplicates: The following are the RPDs for data points not previously qualified.

Compound/ element	Duplicate	Sample			RPD
cis-1,2-Dichloroethene	4.3	5	0.7	7.15	10%
Magnesium	121000	127000	6000	187500	3%
Sodium	110	113	3	168	2%
Zinc	35.7	36	0.3	53.85	1%
Arsenic	5.05	4.96	-0.09	7.485	-1%

Compound Quantitation: The results are acceptable.

Additional Comments: The “D” qualifier was removed from the high level analyses. The aqueous MS/MSD was performed on a QC sample. The results were not applicable to the associated sample as a MS/MSD should not be performed on QC sample.

Data usability: Data qualified with the “UJ” qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the “J” qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the “R” qualifier are not usable due to severe quality control issues. Data qualified with the “U” qualifier are usable as there are no quality control issues.

ATTACHMENT A

FORM 1s

eurofins | Spectrum Analytical

Form I Summary Pack

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	1990101.D		
Sampled:	04/04/16 18:30	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 10:44		
% Solids:	80.81	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.35 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.9	1.9	4.9	U
67-64-1	Acetone	27.1	5.4	48.9	J
107-13-1	Acrylonitrile	4.9	1.2	4.9	U
71-43-2	Benzene	4.9	0.7	4.9	U
108-86-1	Bromobenzene	4.9	0.9	4.9	U
74-97-5	Bromochloromethane	4.9	1.9	4.9	U
75-27-4	Bromodichloromethane	4.9	1.0	4.9	U
75-25-2	Bromoform	4.9	1.3	4.9	U
74-83-9	Bromomethane	9.8	2.4	9.8	U
78-93-3	2-Butanone (MEK)	48.9	2.8	48.9	U
104-51-8	n-Butylbenzene	4.9	0.7	4.9	U
135-98-8	sec-Butylbenzene	4.9	1.1	4.9	U
98-06-6	tert-Butylbenzene	4.9	2.1	4.9	U
75-15-0	Carbon disulfide	2.5	1.3	9.8	J
56-23-5	Carbon tetrachloride	4.9	1.1	4.9	U
108-90-7	Chlorobenzene	4.9	0.7	4.9	U
75-00-3	Chloroethane	9.8	1.7	9.8	U
67-66-3	Chloroform	4.9	1.6	4.9	U
74-87-3	Chloromethane	9.8	1.4	9.8	U
95-49-8	2-Chlorotoluene	4.9	1.3	4.9	U
106-43-4	4-Chlorotoluene	4.9	1.0	4.9	U
96-12-8	1,2-Dibromo-3-chloropropane	9.8	3.6	9.8	U
124-48-1	Dibromochloromethane	4.9	1.0	4.9	U
106-93-4	1,2-Dibromoethane (EDB)	4.9	1.0	4.9	U
74-95-3	Dibromomethane	4.9	1.4	4.9	U
95-50-1	1,2-Dichlorobenzene	4.9	0.8	4.9	U
541-73-1	1,3-Dichlorobenzene	4.9	0.8	4.9	U
106-46-7	1,4-Dichlorobenzene	4.9	0.9	4.9	U
75-71-8	Dichlorodifluoromethane (Freon12)	9.8	1.4	9.8	U
75-34-3	1,1-Dichloroethane	4.9	1.5	4.9	U
107-06-2	1,2-Dichloroethane	4.9	1.2	4.9	U
75-35-4	1,1-Dichloroethene	4.9	1.5	4.9	U
156-59-2	cis-1,2-Dichloroethene	5.0	1.8	4.9	
156-60-5	trans-1,2-Dichloroethene	4.9	2.1	4.9	U
78-87-5	1,2-Dichloropropane	4.9	1.7	4.9	U
142-28-9	1,3-Dichloropropane	4.9	1.0	4.9	U
594-20-7	2,2-Dichloropropane	4.9	2.3	4.9	U
563-58-6	1,1-Dichloropropene	4.9	1.2	4.9	U
10061-01-5	cis-1,3-Dichloropropene	4.9	0.9	4.9	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	1990101.D		
Sampled:	04/04/16 18:30	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 10:44		
% Solids:	80.81	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.35 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.9	1.6	4.9	U
100-41-4	Ethylbenzene	4.9	0.9	4.9	U
87-68-3	Hexachlorobutadiene	4.9	1.0	4.9	U
591-78-6	2-Hexanone (MBK)	48.9	3.3	48.9	U
98-82-8	Isopropylbenzene	4.9	0.9	4.9	U
99-87-6	4-Isopropyltoluene	4.9	0.6	4.9	U
1634-04-4	Methyl tert-butyl ether	4.9	1.1	4.9	U
108-10-1	4-Methyl-2-pentanone (MIBK)	48.9	2.4	48.9	U
75-09-2	Methylene chloride	9.8	1.4	9.8	U
91-20-3	Naphthalene	4.9	2.7	4.9	U
103-65-1	n-Propylbenzene	4.9	0.7	4.9	U
100-42-5	Styrene	4.9	0.8	4.9	U
630-20-6	1,1,1,2-Tetrachloroethane	4.9	0.6	4.9	U
79-34-5	1,1,2,2-Tetrachloroethane	4.9	2.7	4.9	U
127-18-4	Tetrachloroethene	4.9	1.9	4.9	U
108-88-3	Toluene	4.9	1.1	4.9	U
87-61-6	1,2,3-Trichlorobenzene	4.9	2.8	4.9	U
120-82-1	1,2,4-Trichlorobenzene	4.9	1.6	4.9	U
71-55-6	1,1,1-Trichloroethane	4.9	1.3	4.9	U
108-70-3	1,3,5-Trichlorobenzene	4.9	1.0	4.9	U
79-00-5	1,1,2-Trichloroethane	4.9	0.9	4.9	U
79-01-6	Trichloroethene	4.9	0.7	4.9	U
75-69-4	Trichlorofluoromethane (Freon 11)	4.9	1.8	4.9	U
96-18-4	1,2,3-Trichloropropane	4.9	1.6	4.9	U
95-63-6	1,2,4-Trimethylbenzene	4.9	0.7	4.9	U
108-67-8	1,3,5-Trimethylbenzene	4.9	0.6	4.9	U
75-01-4	Vinyl chloride	4.9	1.9	4.9	U
179601-23-1	m,p-Xylene	9.8	1.0	9.8	U
95-47-6	o-Xylene	4.9	1.0	4.9	U
109-99-9	Tetrahydrofuran	9.8	5.2	9.8	U
60-29-7	Ethyl ether	4.9	1.1	4.9	U
994-05-8	Tert-amyl methyl ether	4.9	1.9	4.9	U
637-92-3	Ethyl tert-butyl ether	4.9	1.9	4.9	U
108-20-3	Di-isopropyl ether	4.9	0.7	4.9	U
75-65-0	Tert-Butanol / butyl alcohol	48.9	20.7	48.9	U
110-57-6	trans-1,4-Dichloro-2-butene	24.5	6.3	24.5	U
110-82-7	Cyclohexane	24.5	1.1	24.5	U
1330-20-7	Total Xylenes	4.9	1.0	4.9	U
79-20-9	Methyl acetate	24.5	2.0	24.5	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	1990101.D		
Sampled:	04/04/16 18:30	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 10:44		
% Solids:	80.81	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.35 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	24.5	1.2	24.5	U
123-91-1	1,4-Dioxane	97.9	54.0	97.9	U
64-17-5	Ethanol	1960	113	1960	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	1990101.D		
Sampled:	04/04/16 18:30	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 10:44		
% Solids:	80.81	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.35 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	1990103.D
Sampled:	04/04/16 18:30	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 11:14
% Solids:	79.82	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.55 g / 5 ml
Batch:	1606025	Sequence:	S602944	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5.4	2.1	5.4	U
67-64-1	Acetone	46.3	6.0	54.1	J
107-13-1	Acrylonitrile	5.4	1.3	5.4	U
71-43-2	Benzene	5.4	0.8	5.4	U
108-86-1	Bromobenzene	5.4	1.0	5.4	U
74-97-5	Bromochloromethane	5.4	2.1	5.4	U
75-27-4	Bromodichloromethane	5.4	1.1	5.4	U
75-25-2	Bromoform	5.4	1.4	5.4	U
74-83-9	Bromomethane	10.8	2.6	10.8	U
78-93-3	2-Butanone (MEK)	54.1	3.1	54.1	J
104-51-8	n-Butylbenzene	5.4	0.8	5.4	U
135-98-8	sec-Butylbenzene	5.4	1.2	5.4	U
98-06-6	tert-Butylbenzene	5.4	2.3	5.4	U
75-15-0	Carbon disulfide	2.7	1.4	10.8	J
56-23-5	Carbon tetrachloride	5.4	1.2	5.4	U
108-90-7	Chlorobenzene	5.4	0.8	5.4	U
75-00-3	Chloroethane	10.8	1.9	10.8	U
67-66-3	Chloroform	5.4	1.8	5.4	U
74-87-3	Chloromethane	10.8	1.5	10.8	U
95-49-8	2-Chlorotoluene	5.4	1.4	5.4	U
106-43-4	4-Chlorotoluene	5.4	1.1	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	10.8	4.0	10.8	U
124-48-1	Dibromochloromethane	5.4	1.1	5.4	U
106-93-4	1,2-Dibromoethane (EDB)	5.4	1.1	5.4	U
74-95-3	Dibromomethane	5.4	1.5	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	0.9	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	0.9	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	1.0	5.4	U
75-71-8	Dichlorodifluoromethane (Freon12)	10.8	1.6	10.8	U
75-34-3	1,1-Dichloroethane	5.4	1.7	5.4	U
107-06-2	1,2-Dichloroethane	5.4	1.3	5.4	U
75-35-4	1,1-Dichloroethene	5.4	1.7	5.4	U
156-59-2	cis-1,2-Dichloroethene	4.3	2.0	5.4	J
156-60-5	trans-1,2-Dichloroethene	5.4	2.3	5.4	U
78-87-5	1,2-Dichloropropane	5.4	1.9	5.4	U
142-28-9	1,3-Dichloropropane	5.4	1.1	5.4	U
594-20-7	2,2-Dichloropropane	5.4	2.6	5.4	U
563-58-6	1,1-Dichloropropene	5.4	1.3	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	1.0	5.4	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	1990103.D
Sampled:	04/04/16 18:30	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 11:14
% Solids:	79.82	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.55 g / 5 ml
Batch:	1606025	Sequence:	S602944	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	5.4	1.8	5.4	U
100-41-4	Ethylbenzene	5.4	1.0	5.4	U
87-68-3	Hexachlorobutadiene	5.4	1.1	5.4	U
591-78-6	2-Hexanone (MBK)	54.1	3.6	54.1	U J
98-82-8	Isopropylbenzene	5.4	1.0	5.4	U
99-87-6	4-Isopropyltoluene	5.4	0.7	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	1.2	5.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	54.1	2.6	54.1	U
75-09-2	Methylene chloride	10.8	1.6	10.8	U
91-20-3	Naphthalene	5.4	3.0	5.4	U J
103-65-1	n-Propylbenzene	5.4	0.8	5.4	U
100-42-5	Styrene	5.4	0.9	5.4	U
630-20-6	1,1,1,2-Tetrachloroethane	5.4	0.7	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	2.9	5.4	U
127-18-4	Tetrachloroethene	5.4	2.1	5.4	U
108-88-3	Toluene	5.4	1.2	5.4	U
87-61-6	1,2,3-Trichlorobenzene	5.4	3.1	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	1.7	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	1.4	5.4	U
108-70-3	1,3,5-Trichlorobenzene	5.4	1.1	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	1.0	5.4	U
79-01-6	Trichloroethene	5.4	0.8	5.4	U
75-69-4	Trichlorofluoromethane (Freon 11)	5.4	2.0	5.4	U
96-18-4	1,2,3-Trichloropropane	5.4	1.7	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	0.8	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	0.7	5.4	U
75-01-4	Vinyl chloride	5.4	2.1	5.4	U
179601-23-1	m,p-Xylene	10.8	1.1	10.8	U
95-47-6	o-Xylene	5.4	1.2	5.4	U
109-99-9	Tetrahydrofuran	10.8	5.8	10.8	U
60-29-7	Ethyl ether	5.4	1.3	5.4	U
994-05-8	Tert-amyl methyl ether	5.4	2.1	5.4	U
637-92-3	Ethyl tert-butyl ether	5.4	2.1	5.4	U
108-20-3	Di-isopropyl ether	5.4	0.8	5.4	U
75-65-0	Tert-Butanol / butyl alcohol	54.1	22.9	54.1	U
110-57-6	trans-1,4-Dichloro-2-butene	27.1	7.0	27.1	U
110-82-7	Cyclohexane	27.1	1.3	27.1	U
1330-20-7	Total Xylenes	5.4	1.1	5.4	U
79-20-9	Methyl acetate	27.1	2.2	27.1	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	1990103.D		
Sampled:	04/04/16 18:30	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 11:14		
% Solids:	79.82	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.55 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	27.1	1.3	27.1	U
123-91-1	1,4-Dioxane	108	59.7	108	U
64-17-5	Ethanol	2160	125	2160	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	1990103.D		
Sampled:	04/04/16 18:30	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 11:14		
% Solids:	79.82	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.55 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	1990105.D
Sampled:	04/04/16 20:45	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 11:43
% Solids:	79.67	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.35 g / 5 ml
Batch:	1606025	Sequence:	S602944	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5.0	1.9	5.0	U
67-64-1	Acetone	50.3	5.6	50.3	U
107-13-1	Acrylonitrile	5.0	1.2	5.0	U
71-43-2	Benzene	5.0	0.7	5.0	U
108-86-1	Bromobenzene	5.0	0.9	5.0	U
74-97-5	Bromochloromethane	5.0	2.0	5.0	U
75-27-4	Bromodichloromethane	5.0	1.0	5.0	U
75-25-2	Bromoform	5.0	1.3	5.0	U
74-83-9	Bromomethane	10.1	2.4	10.1	U
78-93-3	2-Butanone (MEK)	50.3	2.9	50.3	U
104-51-8	n-Butylbenzene	5.0	0.7	5.0	U
135-98-8	sec-Butylbenzene	5.0	1.1	5.0	U
98-06-6	tert-Butylbenzene	5.0	2.1	5.0	U
75-15-0	Carbon disulfide	10.1	1.3	10.1	U
56-23-5	Carbon tetrachloride	5.0	1.1	5.0	U
108-90-7	Chlorobenzene	5.0	0.7	5.0	U
75-00-3	Chloroethane	10.1	1.7	10.1	U
67-66-3	Chloroform	5.0	1.7	5.0	U
74-87-3	Chloromethane	10.1	1.4	10.1	U
95-49-8	2-Chlorotoluene	5.0	1.3	5.0	U
106-43-4	4-Chlorotoluene	5.0	1.0	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	10.1	3.7	10.1	U
124-48-1	Dibromochloromethane	5.0	1.0	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	5.0	1.0	5.0	U
74-95-3	Dibromomethane	5.0	1.4	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	0.8	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	0.8	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	0.9	5.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	10.1	1.5	10.1	U
75-34-3	1,1-Dichloroethane	5.0	1.6	5.0	U
107-06-2	1,2-Dichloroethane	5.0	1.2	5.0	U
75-35-4	1,1-Dichloroethene	5.0	1.6	5.0	U
156-59-2	cis-1,2-Dichloroethene	13.1	1.9	5.0	
156-60-5	trans-1,2-Dichloroethene	3.2	2.2	5.0	J
78-87-5	1,2-Dichloropropane	5.0	1.7	5.0	U
142-28-9	1,3-Dichloropropane	5.0	1.0	5.0	U
594-20-7	2,2-Dichloropropane	5.0	2.4	5.0	U
563-58-6	1,1-Dichloropropene	5.0	1.3	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	1.0	5.0	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	1990105.D
Sampled:	04/04/16 20:45	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 11:43
% Solids:	79.67	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.35 g / 5 ml
Batch:	1606025	Sequence:	S602944	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	5.0	1.7	5.0	U
100-41-4	Ethylbenzene	5.0	0.9	5.0	U
87-68-3	Hexachlorobutadiene	5.0	1.0	5.0	U
591-78-6	2-Hexanone (MBK)	50.3	3.4	50.3	U J
98-82-8	Isopropylbenzene	5.0	1.0	5.0	U
99-87-6	4-Isopropyltoluene	5.0	0.6	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	1.1	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	50.3	2.4	50.3	U
75-09-2	Methylene chloride	10.1	1.5	10.1	U
91-20-3	Naphthalene	5.0	2.8	5.0	U J
103-65-1	n-Propylbenzene	5.0	0.8	5.0	U
100-42-5	Styrene	5.0	0.9	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	0.6	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	2.7	5.0	U
127-18-4	Tetrachloroethene	5.0	1.9	5.0	U
108-88-3	Toluene	5.0	1.2	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	2.9	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	1.6	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	1.3	5.0	U
108-70-3	1,3,5-Trichlorobenzene	5.0	1.0	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	1.0	5.0	U
79-01-6	Trichloroethene	364	0.8	5.0	E
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	1.8	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	1.6	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	0.7	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	0.6	5.0	U
75-01-4	Vinyl chloride	5.0	1.9	5.0	U
179601-23-1	m,p-Xylene	10.1	1.0	10.1	U
95-47-6	o-Xylene	5.0	1.1	5.0	U
109-99-9	Tetrahydrofuran	10.1	5.4	10.1	U
60-29-7	Ethyl ether	5.0	1.2	5.0	U
994-05-8	Tert-amyl methyl ether	5.0	1.9	5.0	U
637-92-3	Ethyl tert-butyl ether	5.0	1.9	5.0	U
108-20-3	Di-isopropyl ether	5.0	0.7	5.0	U
75-65-0	Tert-Butanol / butyl alcohol	50.3	21.3	50.3	U
110-57-6	trans-1,4-Dichloro-2-butene	25.2	6.5	25.2	U
110-82-7	Cyclohexane	25.2	1.2	25.2	U
1330-20-7	Total Xylenes	5.0	1.0	5.0	U
79-20-9	Methyl acetate	25.2	2.0	25.2	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	1990105.D		
Sampled:	04/04/16 20:45	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 11:43		
% Solids:	79.67	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.35 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	25.2	1.2	25.2	U
123-91-1	1,4-Dioxane	101	55.5	101	U
64-17-5	Ethanol	2010	116	2010	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	1990105.D
Sampled:	04/04/16 20:45	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 11:43
% Solids:	79.67	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.35 g / 5 ml
Batch:	1606025	Sequence:	S602944	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05RE1	File ID:	1990105RE1.D
Sampled:	04/04/16 20:45	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 14:43
% Solids:	79.67	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.09 g / 15 ml
Batch:	1606326	Sequence:	S603071	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	129	49.1	129	UD
67-64-1	Acetone	1290	143	1290	UD
107-13-1	Acrylonitrile	129	31.6	129	UD
71-43-2	Benzene	129	19.2	129	UD
108-86-1	Bromobenzene	129	23.6	129	UD
74-97-5	Bromochloromethane	129	51.0	129	UD
75-27-4	Bromodichloromethane	129	26.7	129	UD
75-25-2	Bromoform	129	34.0	129	UD
74-83-9	Bromomethane	258	62.1	258	UD
78-93-3	2-Butanone (MEK)	1290	75.0	1290	UD
104-51-8	n-Butylbenzene	129	19.2	129	UD
135-98-8	sec-Butylbenzene	129	29.1	129	UD
98-06-6	tert-Butylbenzene	129	54.4	129	UD
75-15-0	Carbon disulfide	258	34.3	258	UD
56-23-5	Carbon tetrachloride	129	28.1	129	UD
108-90-7	Chlorobenzene	129	18.3	129	UD
75-00-3	Chloroethane	258	44.8	258	UD
67-66-3	Chloroform	129	42.7	129	UD
74-87-3	Chloromethane	258	35.9	258	UD
95-49-8	2-Chlorotoluene	129	33.6	129	UD
106-43-4	4-Chlorotoluene	129	25.2	129	UD
96-12-8	1,2-Dibromo-3-chloropropane	258	95.4	258	UD
124-48-1	Dibromochloromethane	129	26.5	129	UD
106-93-4	1,2-Dibromoethane (EDB)	129	25.8	129	UD
74-95-3	Dibromomethane	129	36.2	129	UD
95-50-1	1,2-Dichlorobenzene	129	20.9	129	UD
541-73-1	1,3-Dichlorobenzene	129	20.8	129	UD
106-46-7	1,4-Dichlorobenzene	129	116	129	UD
75-71-8	Dichlorodifluoromethane (Freon12)	258	38.1	258	UD
75-34-3	1,1-Dichloroethane	129	40.8	129	UD
107-06-2	1,2-Dichloroethane	129	31.4	129	UD
75-35-4	1,1-Dichloroethene	129	40.0	129	UD
156-59-2	cis-1,2-Dichloroethene	129	47.5	129	UD
156-60-5	trans-1,2-Dichloroethene	129	55.5	129	UD
78-87-5	1,2-Dichloropropane	129	44.8	129	UD
142-28-9	1,3-Dichloropropane	129	25.3	129	UD
594-20-7	2,2-Dichloropropane	129	60.9	129	UD
563-58-6	1,1-Dichloropropene	129	32.1	129	UD
10061-01-5	cis-1,3-Dichloropropene	129	24.5	129	UD

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05RE1	File ID:	1990105RE1.D
Sampled:	04/04/16 20:45	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 14:43
% Solids:	79.67	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.09 g / 15 ml
Batch:	1606326	Sequence:	S603071	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	129	43.5	129	UD
100-41-4	Ethylbenzene	129	22.7	129	UD
87-68-3	Hexachlorobutadiene	129	25.3	129	UD
591-78-6	2-Hexanone (MBK)	1290	87.0	1290	UD
98-82-8	Isopropylbenzene	129	24.5	129	UD
99-87-6	4-Isopropyltoluene	129	16.3	129	UD
1634-04-4	Methyl tert-butyl ether	129	28.0	129	UD
108-10-1	4-Methyl-2-pentanone (MIBK)	1290	62.6	1290	UD
75-09-2	Methylene chloride	258	37.6	258	UD
91-20-3	Naphthalene	129	71.7	129	UD
103-65-1	n-Propylbenzene	129	19.5	129	UD
100-42-5	Styrene	129	22.2	129	UD
630-20-6	1,1,1,2-Tetrachloroethane	129	16.0	129	UD
79-34-5	1,1,2,2-Tetrachloroethane	129	70.2	129	UD
127-18-4	Tetrachloroethene	129	49.2	129	UD
108-88-3	Toluene	129	29.7	129	UD
87-61-6	1,2,3-Trichlorobenzene	129	73.9	129	UD
120-82-1	1,2,4-Trichlorobenzene	129	41.7	129	UD
71-55-6	1,1,1-Trichloroethane	129	33.3	129	UD
108-70-3	1,3,5-Trichlorobenzene	129	25.4	129	UD
79-00-5	1,1,2-Trichloroethane	129	24.9	129	UD
79-01-6	Trichloroethene	791	19.8	129	D
75-69-4	Trichlorofluoromethane (Freon 11)	129	46.6	129	UD
96-18-4	1,2,3-Trichloropropane	129	40.9	129	UD
95-63-6	1,2,4-Trimethylbenzene	129	18.3	129	UD
108-67-8	1,3,5-Trimethylbenzene	129	16.4	129	UD
75-01-4	Vinyl chloride	129	49.1	129	UD
179601-23-1	m,p-Xylene	258	25.4	258	UD
95-47-6	o-Xylene	129	27.5	129	UD
109-99-9	Tetrahydrofuran	258	138	258	UD
60-29-7	Ethyl ether	129	29.8	129	UD
994-05-8	Tert-amyl methyl ether	129	49.2	129	UD
637-92-3	Ethyl tert-butyl ether	129	49.8	129	UD
108-20-3	Di-isopropyl ether	129	19.0	129	UD
75-65-0	Tert-Butanol / butyl alcohol	1290	546	1290	UD
110-57-6	trans-1,4-Dichloro-2-butene	646	167	646	UD
64-17-5	Ethanol	51600	2980	51600	UD
110-82-7	Cyclohexane	646	30.0	646	UD
1330-20-7	Total Xylenes	129	25.4	129	UD

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-05RE1	File ID:	1990105RE1.D		
Sampled:	04/04/16 20:45	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 14:43		
% Solids:	79.67	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.09 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	646	52.3	646	UD
108-87-2	Methylcyclohexane	646	30.6	646	UD
123-91-1	1,4-Dioxane	2580	1420	2580	UD

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-05RE1	File ID:	1990105RE1.D		
Sampled:	04/04/16 20:45	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 14:43		
% Solids:	79.67	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.09 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	1990107.D		
Sampled:	04/04/16 19:10	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 12:13		
% Solids:	79.56	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.67 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5.4	2.0	5.4	U
67-64-1	Acetone	53.8	6.0	53.8	U
107-13-1	Acrylonitrile	5.4	1.3	5.4	U
71-43-2	Benzene	5.4	0.8	5.4	U
108-86-1	Bromobenzene	5.4	1.0	5.4	U
74-97-5	Bromochloromethane	5.4	2.1	5.4	U
75-27-4	Bromodichloromethane	5.4	1.1	5.4	U
75-25-2	Bromoform	5.4	1.4	5.4	U
74-83-9	Bromomethane	10.8	2.6	10.8	U
78-93-3	2-Butanone (MEK)	53.8	3.1	53.8	U
104-51-8	n-Butylbenzene	5.4	0.8	5.4	U
135-98-8	sec-Butylbenzene	5.4	1.2	5.4	U
98-06-6	tert-Butylbenzene	5.4	2.3	5.4	U
75-15-0	Carbon disulfide	10.8	1.4	10.8	U
56-23-5	Carbon tetrachloride	5.4	1.2	5.4	U
108-90-7	Chlorobenzene	5.4	0.8	5.4	U
75-00-3	Chloroethane	10.8	1.9	10.8	U
67-66-3	Chloroform	5.4	1.8	5.4	U
74-87-3	Chloromethane	10.8	1.5	10.8	U
95-49-8	2-Chlorotoluene	5.4	1.4	5.4	U
106-43-4	4-Chlorotoluene	5.4	1.0	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	10.8	4.0	10.8	U
124-48-1	Dibromochloromethane	5.4	1.1	5.4	U
106-93-4	1,2-Dibromoethane (EDB)	5.4	1.1	5.4	U
74-95-3	Dibromomethane	5.4	1.5	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	0.9	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	0.9	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	1.0	5.4	U
75-71-8	Dichlorodifluoromethane (Freon12)	10.8	1.6	10.8	U
75-34-3	1,1-Dichloroethane	5.4	1.7	5.4	U
107-06-2	1,2-Dichloroethane	5.4	1.3	5.4	U
75-35-4	1,1-Dichloroethene	5.4	1.7	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	2.0	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	2.3	5.4	U
78-87-5	1,2-Dichloropropane	5.4	1.9	5.4	U
142-28-9	1,3-Dichloropropane	5.4	1.1	5.4	U
594-20-7	2,2-Dichloropropane	5.4	2.5	5.4	U
563-58-6	1,1-Dichloropropene	5.4	1.3	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	1.0	5.4	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	1990107.D		
Sampled:	04/04/16 19:10	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 12:13		
% Solids:	79.56	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.67 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	5.4	1.8	5.4	U
100-41-4	Ethylbenzene	5.4	0.9	5.4	U
87-68-3	Hexachlorobutadiene	5.4	1.1	5.4	U
591-78-6	2-Hexanone (MBK)	53.8	3.6	53.8	U J
98-82-8	Isopropylbenzene	5.4	1.0	5.4	U
99-87-6	4-Isopropyltoluene	5.4	0.7	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	1.2	5.4	U
108-10-1	4-Methyl-2-pentanone (MIBK)	53.8	2.6	53.8	U
75-09-2	Methylene chloride	10.8	1.6	10.8	U
91-20-3	Naphthalene	5.4	3.0	5.4	U J
103-65-1	n-Propylbenzene	5.4	0.8	5.4	U
100-42-5	Styrene	5.4	0.9	5.4	U
630-20-6	1,1,1,2-Tetrachloroethane	5.4	0.7	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	2.9	5.4	U
127-18-4	Tetrachloroethene	5.4	2.1	5.4	U
108-88-3	Toluene	5.4	1.2	5.4	U
87-61-6	1,2,3-Trichlorobenzene	5.4	3.1	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	1.7	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	1.4	5.4	U
108-70-3	1,3,5-Trichlorobenzene	5.4	1.1	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	1.0	5.4	U
79-01-6	Trichloroethene	5.4	0.8	5.4	U
75-69-4	Trichlorofluoromethane (Freon 11)	5.4	1.9	5.4	U
96-18-4	1,2,3-Trichloropropane	5.4	1.7	5.4	U
95-63-6	1,2,4-Trimethylbenzene	5.4	0.8	5.4	U
108-67-8	1,3,5-Trimethylbenzene	5.4	0.7	5.4	U
75-01-4	Vinyl chloride	5.4	2.0	5.4	U
179601-23-1	m,p-Xylene	10.8	1.1	10.8	U
95-47-6	o-Xylene	5.4	1.1	5.4	U
109-99-9	Tetrahydrofuran	10.8	5.8	10.8	U
60-29-7	Ethyl ether	5.4	1.2	5.4	U
994-05-8	Tert-amyl methyl ether	5.4	2.1	5.4	U
637-92-3	Ethyl tert-butyl ether	5.4	2.1	5.4	U
108-20-3	Di-isopropyl ether	5.4	0.8	5.4	U
75-65-0	Tert-Butanol / butyl alcohol	53.8	22.8	53.8	U
110-57-6	trans-1,4-Dichloro-2-butene	26.9	7.0	26.9	U
110-82-7	Cyclohexane	26.9	1.2	26.9	U
1330-20-7	Total Xylenes	5.4	1.1	5.4	U
79-20-9	Methyl acetate	26.9	2.2	26.9	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	1990107.D
Sampled:	04/04/16 19:10	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 12:13
% Solids:	79.56	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.67 g / 5 ml
Batch:	1606025	Sequence:	S602944	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	26.9	1.3	26.9	U
123-91-1	1,4-Dioxane	108	59.4	108	U
64-17-5	Ethanol	2150	124	2150	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	1990107.D		
Sampled:	04/04/16 19:10	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 12:13		
% Solids:	79.56	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.67 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	1990111.D		
Sampled:	04/04/16 21:30	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 15:12		
% Solids:	85.59	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.57 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	124	47.2	124	U
67-64-1	Acetone	1240	137	1240	U J
107-13-1	Acrylonitrile	124	30.4	124	U
71-43-2	Benzene	124	18.5	124	U
108-86-1	Bromobenzene	124	22.7	124	U
74-97-5	Bromochloromethane	124	49.0	124	U
75-27-4	Bromodichloromethane	124	25.7	124	U
75-25-2	Bromoform	124	32.7	124	U J
74-83-9	Bromomethane	248	59.7	248	U
78-93-3	2-Butanone (MEK)	1240	72.1	1240	U
104-51-8	n-Butylbenzene	60.8	18.5	124	J
135-98-8	sec-Butylbenzene	64.6	27.9	124	J
98-06-6	tert-Butylbenzene	124	52.3	124	U
75-15-0	Carbon disulfide	248	33.0	248	U
56-23-5	Carbon tetrachloride	124	27.1	124	U
108-90-7	Chlorobenzene	124	17.6	124	U
75-00-3	Chloroethane	248	43.1	248	U
67-66-3	Chloroform	124	41.1	124	U
74-87-3	Chloromethane	248	34.5	248	U
95-49-8	2-Chlorotoluene	124	32.3	124	U
106-43-4	4-Chlorotoluene	124	24.2	124	U
96-12-8	1,2-Dibromo-3-chloropropane	248	91.8	248	U J
124-48-1	Dibromochloromethane	124	25.5	124	U
106-93-4	1,2-Dibromoethane (EDB)	124	24.8	124	U
74-95-3	Dibromomethane	124	34.8	124	U
95-50-1	1,2-Dichlorobenzene	124	20.1	124	U
541-73-1	1,3-Dichlorobenzene	124	20.0	124	U
106-46-7	1,4-Dichlorobenzene	124	112	124	U
75-71-8	Dichlorodifluoromethane (Freon12)	248	36.6	248	U
75-34-3	1,1-Dichloroethane	124	39.2	124	U
107-06-2	1,2-Dichloroethane	124	30.2	124	U
75-35-4	1,1-Dichloroethene	124	38.5	124	U
156-59-2	cis-1,2-Dichloroethene	124	45.7	124	U
156-60-5	trans-1,2-Dichloroethene	124	53.4	124	U
78-87-5	1,2-Dichloropropane	124	43.1	124	U
142-28-9	1,3-Dichloropropane	124	24.3	124	U
594-20-7	2,2-Dichloropropane	124	58.6	124	U
563-58-6	1,1-Dichloropropene	124	30.9	124	U
10061-01-5	cis-1,3-Dichloropropene	124	23.6	124	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	1990111.D		
Sampled:	04/04/16 21:30	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 15:12		
% Solids:	85.59	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.57 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	124	41.8	124	U
100-41-4	Ethylbenzene	124	21.9	124	U
87-68-3	Hexachlorobutadiene	124	24.3	124	U
591-78-6	2-Hexanone (MBK)	1240	83.7	1240	U
98-82-8	Isopropylbenzene	124	23.6	124	U
99-87-6	4-Isopropyltoluene	45.9	15.6	124	J
1634-04-4	Methyl tert-butyl ether	124	26.9	124	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1240	60.2	1240	U J
75-09-2	Methylene chloride	248	36.1	248	U
91-20-3	Naphthalene	124	68.9	124	U
103-65-1	n-Propylbenzene	74.5	18.7	124	J
100-42-5	Styrene	124	21.4	124	U
630-20-6	1,1,1,2-Tetrachloroethane	124	15.4	124	U
79-34-5	1,1,2,2-Tetrachloroethane	124	67.5	124	U
127-18-4	Tetrachloroethene	124	47.3	124	U J
108-88-3	Toluene	124	28.6	124	U
87-61-6	1,2,3-Trichlorobenzene	124	71.0	124	U
120-82-1	1,2,4-Trichlorobenzene	124	40.1	124	U
71-55-6	1,1,1-Trichloroethane	124	32.0	124	U
108-70-3	1,3,5-Trichlorobenzene	124	24.5	124	U
79-00-5	1,1,2-Trichloroethane	124	24.0	124	U
79-01-6	Trichloroethene	459	19.0	124	J
75-69-4	Trichlorofluoromethane (Freon 11)	124	44.8	124	U
96-18-4	1,2,3-Trichloropropane	124	39.4	124	U
95-63-6	1,2,4-Trimethylbenzene	394	17.6	124	
108-67-8	1,3,5-Trimethylbenzene	191	15.8	124	
75-01-4	Vinyl chloride	124	47.2	124	U
179601-23-1	m,p-Xylene	248	24.5	248	U
95-47-6	o-Xylene	124	26.4	124	U
109-99-9	Tetrahydrofuran	248	133	248	U J
60-29-7	Ethyl ether	124	28.7	124	U
994-05-8	Tert-amyl methyl ether	124	47.3	124	U
637-92-3	Ethyl tert-butyl ether	124	47.9	124	U
108-20-3	Di-isopropyl ether	124	18.3	124	U
75-65-0	Tert-Butanol / butyl alcohol	1240	525	1240	U J
110-57-6	trans-1,4-Dichloro-2-butene	621	161	621	U
64-17-5	Ethanol	49700	2860	49700	U
110-82-7	Cyclohexane	621	28.8	621	U
1330-20-7	Total Xylenes	124	24.5	124	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	1990111.D		
Sampled:	04/04/16 21:30	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 15:12		
% Solids:	85.59	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.57 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	621	50.3	621	U
108-87-2	Methylcyclohexane	621	29.4	621	U
123-91-1	1,4-Dioxane	2480	1370	2480	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	1990111.D		
Sampled:	04/04/16 21:30	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 15:12		
% Solids:	85.59	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.57 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	1990113.D
Sampled:	04/04/16 20:00	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 13:12
% Solids:	82.78	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.37 g / 5 ml
Batch:	1606025	Sequence:	S603944	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.6	1.8	4.6	U
67-64-1	Acetone	46.5	5.1	46.5	U
107-13-1	Acrylonitrile	4.6	1.1	4.6	U
71-43-2	Benzene	4.6	0.7	4.6	U
108-86-1	Bromobenzene	4.6	0.9	4.6	U
74-97-5	Bromochloromethane	4.6	1.8	4.6	U
75-27-4	Bromodichloromethane	4.6	1.0	4.6	U
75-25-2	Bromoform	4.6	1.2	4.6	U
74-83-9	Bromomethane	9.3	2.2	9.3	U
78-93-3	2-Butanone (MEK)	46.5	2.7	46.5	U
104-51-8	n-Butylbenzene	4.6	0.7	4.6	U
135-98-8	sec-Butylbenzene	4.6	1.0	4.6	U
98-06-6	tert-Butylbenzene	4.6	2.0	4.6	U
75-15-0	Carbon disulfide	9.3	1.2	9.3	U
56-23-5	Carbon tetrachloride	4.6	1.0	4.6	U
108-90-7	Chlorobenzene	4.6	0.7	4.6	U
75-00-3	Chloroethane	9.3	1.6	9.3	U
67-66-3	Chloroform	4.6	1.5	4.6	U
74-87-3	Chloromethane	9.3	1.3	9.3	U
95-49-8	2-Chlorotoluene	4.6	1.2	4.6	U
106-43-4	4-Chlorotoluene	4.6	0.9	4.6	U
96-12-8	1,2-Dibromo-3-chloropropane	9.3	3.4	9.3	U
124-48-1	Dibromochloromethane	4.6	1.0	4.6	U
106-93-4	1,2-Dibromoethane (EDB)	4.6	0.9	4.6	U
74-95-3	Dibromomethane	4.6	1.3	4.6	U
95-50-1	1,2-Dichlorobenzene	4.6	0.8	4.6	U
541-73-1	1,3-Dichlorobenzene	4.6	0.7	4.6	U
106-46-7	1,4-Dichlorobenzene	4.6	0.9	4.6	U
75-71-8	Dichlorodifluoromethane (Freon12)	9.3	1.4	9.3	U
75-34-3	1,1-Dichloroethane	4.6	1.5	4.6	U
107-06-2	1,2-Dichloroethane	4.6	1.1	4.6	U
75-35-4	1,1-Dichloroethene	4.6	1.4	4.6	U
156-59-2	cis-1,2-Dichloroethene	2.0	1.7	4.6	J
156-60-5	trans-1,2-Dichloroethene	4.6	2.0	4.6	U
78-87-5	1,2-Dichloropropane	4.6	1.6	4.6	U
142-28-9	1,3-Dichloropropane	4.6	0.9	4.6	U
594-20-7	2,2-Dichloropropane	4.6	2.2	4.6	U
563-58-6	1,1-Dichloropropene	4.6	1.2	4.6	U
10061-01-5	cis-1,3-Dichloropropene	4.6	0.9	4.6	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	1990113.D		
Sampled:	04/04/16 20:00	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 13:12		
% Solids:	82.78	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.37 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.6	1.6	4.6	U
100-41-4	Ethylbenzene	4.6	0.8	4.6	U
87-68-3	Hexachlorobutadiene	4.6	0.9	4.6	U
591-78-6	2-Hexanone (MBK)	46.5	3.1	46.5	U
98-82-8	Isopropylbenzene	4.6	0.9	4.6	U
99-87-6	4-Isopropyltoluene	4.6	0.6	4.6	U
1634-04-4	Methyl tert-butyl ether	4.6	1.0	4.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	46.5	2.3	46.5	U
75-09-2	Methylene chloride	9.3	1.4	9.3	U
91-20-3	Naphthalene	4.6	2.6	4.6	U
103-65-1	n-Propylbenzene	4.6	0.7	4.6	U
100-42-5	Styrene	4.6	0.8	4.6	U
630-20-6	1,1,1,2-Tetrachloroethane	4.6	0.6	4.6	U
79-34-5	1,1,2,2-Tetrachloroethane	4.6	2.5	4.6	U
127-18-4	Tetrachloroethene	4.6	1.8	4.6	U
108-88-3	Toluene	4.6	1.1	4.6	U
87-61-6	1,2,3-Trichlorobenzene	4.6	2.7	4.6	U
120-82-1	1,2,4-Trichlorobenzene	4.6	1.5	4.6	U
71-55-6	1,1,1-Trichloroethane	4.6	1.2	4.6	U
108-70-3	1,3,5-Trichlorobenzene	4.6	0.9	4.6	U
79-00-5	1,1,2-Trichloroethane	4.6	0.9	4.6	U
79-01-6	Trichloroethene	464	0.7	4.6	E
75-69-4	Trichlorofluoromethane (Freon 11)	4.6	1.7	4.6	U
96-18-4	1,2,3-Trichloropropane	4.6	1.5	4.6	U
95-63-6	1,2,4-Trimethylbenzene	4.6	0.7	4.6	U
108-67-8	1,3,5-Trimethylbenzene	4.6	0.6	4.6	U
75-01-4	Vinyl chloride	4.6	1.8	4.6	U
179601-23-1	m,p-Xylene	9.3	0.9	9.3	U
95-47-6	o-Xylene	4.6	1.0	4.6	U
109-99-9	Tetrahydrofuran	9.3	5.0	9.3	U
60-29-7	Ethyl ether	4.6	1.1	4.6	U
994-05-8	Tert-amyl methyl ether	4.6	1.8	4.6	U
637-92-3	Ethyl tert-butyl ether	4.6	1.8	4.6	U
108-20-3	Di-isopropyl ether	4.6	0.7	4.6	U
75-65-0	Tert-Butanol / butyl alcohol	46.5	19.7	46.5	U
110-57-6	trans-1,4-Dichloro-2-butene	23.2	6.0	23.2	U
110-82-7	Cyclohexane	23.2	1.1	23.2	U
1330-20-7	Total Xylenes	4.6	0.9	4.6	U
79-20-9	Methyl acetate	23.2	1.9	23.2	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	1990113.D
Sampled:	04/04/16 20:00	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 13:12
% Solids:	82.78	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.37 g / 5 ml
Batch:	1606025	Sequence:	S602944	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	23.2	1.1	23.2	U
123-91-1	1,4-Dioxane	93.0	51.3	93.0	U
64-17-5	Ethanol	1860	107	1860	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	1990113.D		
Sampled:	04/04/16 20:00	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 13:12		
% Solids:	82.78	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.37 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13RE1	File ID:	1990113RE1.D
Sampled:	04/04/16 20:00	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 15:41
% Solids:	82.78	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.15 g / 15 ml
Batch:	1606326	Sequence:	S603071	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	122	46.2	122	UD
67-64-1	Acetone	1220	135	1220	UD
107-13-1	Acrylonitrile	122	29.8	122	UD
71-43-2	Benzene	122	18.1	122	UD
108-86-1	Bromobenzene	122	22.2	122	UD
74-97-5	Bromochloromethane	122	48.0	122	UD
75-27-4	Bromodichloromethane	122	25.2	122	UD
75-25-2	Bromoform	122	32.0	122	UD
74-83-9	Bromomethane	243	58.5	243	UD
78-93-3	2-Butanone (MEK)	1220	70.6	1220	UD
104-51-8	n-Butylbenzene	122	18.1	122	UD
135-98-8	sec-Butylbenzene	122	27.4	122	UD
98-06-6	tert-Butylbenzene	122	51.2	122	UD
75-15-0	Carbon disulfide	243	32.3	243	UD
56-23-5	Carbon tetrachloride	122	26.5	122	UD
108-90-7	Chlorobenzene	122	17.3	122	UD
75-00-3	Chloroethane	243	42.2	243	UD
67-66-3	Chloroform	122	40.2	122	UD
74-87-3	Chloromethane	243	33.8	243	UD
95-49-8	2-Chlorotoluene	122	31.6	122	UD
106-43-4	4-Chlorotoluene	122	23.7	122	UD
96-12-8	1,2-Dibromo-3-chloropropane	243	89.8	243	UD
124-48-1	Dibromochloromethane	122	24.9	122	UD
106-93-4	1,2-Dibromoethane (EDB)	122	24.3	122	UD
74-95-3	Dibromomethane	122	34.0	122	UD
95-50-1	1,2-Dichlorobenzene	122	19.7	122	UD
541-73-1	1,3-Dichlorobenzene	122	19.6	122	UD
106-46-7	1,4-Dichlorobenzene	122	109	122	UD
75-71-8	Dichlorodifluoromethane (Freon12)	243	35.9	243	UD
75-34-3	1,1-Dichloroethane	122	38.4	122	UD
107-06-2	1,2-Dichloroethane	122	29.5	122	UD
75-35-4	1,1-Dichloroethene	122	37.7	122	UD
156-59-2	cis-1,2-Dichloroethene	122	44.7	122	UD
156-60-5	trans-1,2-Dichloroethene	122	52.3	122	UD
78-87-5	1,2-Dichloropropane	122	42.2	122	UD
142-28-9	1,3-Dichloropropane	122	23.8	122	UD
594-20-7	2,2-Dichloropropane	122	57.4	122	UD
563-58-6	1,1-Dichloropropene	122	30.3	122	UD
10061-01-5	cis-1,3-Dichloropropene	122	23.1	122	UD

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13RE1	File ID:	1990113RE1.D
Sampled:	04/04/16 20:00	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 15:41
% Solids:	82.78	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.15 g / 15 ml
Batch:	1606326	Sequence:	S603071	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	122	41.0	122	UD
100-41-4	Ethylbenzene	122	21.4	122	UD
87-68-3	Hexachlorobutadiene	122	23.8	122	UD
591-78-6	2-Hexanone (MBK)	1220	81.9	1220	UD
98-82-8	Isopropylbenzene	122	23.1	122	UD
99-87-6	4-Isopropyltoluene	122	15.3	122	UD
1634-04-4	Methyl tert-butyl ether	122	26.4	122	UD
108-10-1	4-Methyl-2-pentanone (MIBK)	1220	59.0	1220	UD J
75-09-2	Methylene chloride	243	35.4	243	UD
91-20-3	Naphthalene	122	67.5	122	UD
103-65-1	n-Propylbenzene	122	18.4	122	UD
100-42-5	Styrene	122	20.9	122	UD
630-20-6	1,1,1,2-Tetrachloroethane	122	15.1	122	UD
79-34-5	1,1,2,2-Tetrachloroethane	122	66.1	122	UD
127-18-4	Tetrachloroethene	122	46.3	122	UD J
108-88-3	Toluene	122	28.0	122	UD
87-61-6	1,2,3-Trichlorobenzene	122	69.5	122	UD
120-82-1	1,2,4-Trichlorobenzene	122	39.3	122	UD
71-55-6	1,1,1-Trichloroethane	122	31.4	122	UD
108-70-3	1,3,5-Trichlorobenzene	122	23.9	122	UD
79-00-5	1,1,2-Trichloroethane	122	23.5	122	UD
79-01-6	Trichloroethene	520	18.6	122	D J
75-69-4	Trichlorofluoromethane (Freon 11)	122	43.9	122	UD
96-18-4	1,2,3-Trichloropropane	122	38.5	122	UD
95-63-6	1,2,4-Trimethylbenzene	122	17.3	122	UD
108-67-8	1,3,5-Trimethylbenzene	122	15.4	122	UD
75-01-4	Vinyl chloride	122	46.2	122	UD
179601-23-1	m,p-Xylene	243	23.9	243	UD
95-47-6	o-Xylene	122	25.9	122	UD
109-99-9	Tetrahydrofuran	243	130	243	UD J
60-29-7	Ethyl ether	122	28.1	122	UD
994-05-8	Tert-amyl methyl ether	122	46.3	122	UD
637-92-3	Ethyl tert-butyl ether	122	46.9	122	UD
108-20-3	Di-isopropyl ether	122	17.9	122	UD
75-65-0	Tert-Butanol / butyl alcohol	1220	514	1220	UD J
110-57-6	trans-1,4-Dichloro-2-butene	608	158	608	UD
64-17-5	Ethanol	48600	2800	48600	UD
110-82-7	Cyclohexane	608	28.2	608	UD
1330-20-7	Total Xylenes	122	23.9	122	UD

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-13RE1	File ID:	1990113RE1.D		
Sampled:	04/04/16 20:00	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 15:41		
% Solids:	82.78	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.15 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	608	49.2	608	UD
108-87-2	Methylcyclohexane	608	28.8	608	UD
123-91-1	1,4-Dioxane	2430	1340	2430	UD

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-13RE1	File ID:	1990113RE1.D		
Sampled:	04/04/16 20:00	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 15:41		
% Solids:	82.78	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.15 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	1990115.D		
Sampled:	04/04/16 15:05	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 13:46		
% Solids:	80.69	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.68 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5.2	2.0	5.2	U
67-64-1	Acetone	52.3	5.8	52.3	U
107-13-1	Acrylonitrile	5.2	1.3	5.2	U
71-43-2	Benzene	5.2	0.8	5.2	U
108-86-1	Bromobenzene	5.2	1.0	5.2	U
74-97-5	Bromochloromethane	5.2	2.1	5.2	U
75-27-4	Bromodichloromethane	5.2	1.1	5.2	U
75-25-2	Bromoform	5.2	1.4	5.2	U
74-83-9	Bromomethane	10.5	2.5	10.5	U
78-93-3	2-Butanone (MEK)	52.3	3.0	52.3	U
104-51-8	n-Butylbenzene	5.2	0.8	5.2	U
135-98-8	sec-Butylbenzene	5.2	1.2	5.2	U
98-06-6	tert-Butylbenzene	5.2	2.2	5.2	U
75-15-0	Carbon disulfide	10.5	1.4	10.5	U
56-23-5	Carbon tetrachloride	5.2	1.1	5.2	U
108-90-7	Chlorobenzene	5.2	0.7	5.2	U
75-00-3	Chloroethane	10.5	1.8	10.5	U
67-66-3	Chloroform	5.2	1.7	5.2	U
74-87-3	Chloromethane	10.5	1.5	10.5	U
95-49-8	2-Chlorotoluene	5.2	1.4	5.2	U
106-43-4	4-Chlorotoluene	5.2	1.0	5.2	U
96-12-8	1,2-Dibromo-3-chloropropane	10.5	3.9	10.5	U
124-48-1	Dibromochloromethane	5.2	1.1	5.2	U
106-93-4	1,2-Dibromoethane (EDB)	5.2	1.0	5.2	U
74-95-3	Dibromomethane	5.2	1.5	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	0.8	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	0.8	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	1.0	5.2	U
75-71-8	Dichlorodifluoromethane (Freon12)	10.5	1.5	10.5	U J
75-34-3	1,1-Dichloroethane	5.2	1.7	5.2	U
107-06-2	1,2-Dichloroethane	5.2	1.3	5.2	U
75-35-4	1,1-Dichloroethene	5.2	1.6	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	1.9	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	2.2	5.2	U
78-87-5	1,2-Dichloropropane	5.2	1.8	5.2	U
142-28-9	1,3-Dichloropropane	5.2	1.0	5.2	U
594-20-7	2,2-Dichloropropane	5.2	2.5	5.2	U
563-58-6	1,1-Dichloropropene	5.2	1.3	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	1.0	5.2	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	1990115.D		
Sampled:	04/04/16 15:05	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 13:46		
% Solids:	80.69	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.68 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	5.2	1.8	5.2	U
100-41-4	Ethylbenzene	5.2	0.9	5.2	U
87-68-3	Hexachlorobutadiene	5.2	1.0	5.2	U
591-78-6	2-Hexanone (MBK)	52.3	3.5	52.3	U J
98-82-8	Isopropylbenzene	5.2	1.0	5.2	U
99-87-6	4-Isopropyltoluene	5.2	0.7	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	1.1	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	52.3	2.5	52.3	U
75-09-2	Methylene chloride	10.5	1.5	10.5	U
91-20-3	Naphthalene	5.2	2.9	5.2	U J
103-65-1	n-Propylbenzene	5.2	0.8	5.2	U
100-42-5	Styrene	5.2	0.9	5.2	U
630-20-6	1,1,1,2-Tetrachloroethane	5.2	0.6	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	2.8	5.2	U
127-18-4	Tetrachloroethene	5.2	2.0	5.2	U
108-88-3	Toluene	5.2	1.2	5.2	U
87-61-6	1,2,3-Trichlorobenzene	5.2	3.0	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	1.7	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	1.3	5.2	U
108-70-3	1,3,5-Trichlorobenzene	5.2	1.0	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	1.0	5.2	U
79-01-6	Trichloroethene	15.4	0.8	5.2	
75-69-4	Trichlorofluoromethane (Freon 11)	5.2	1.9	5.2	U
96-18-4	1,2,3-Trichloropropane	5.2	1.7	5.2	U
95-63-6	1,2,4-Trimethylbenzene	5.2	0.7	5.2	U
108-67-8	1,3,5-Trimethylbenzene	5.2	0.7	5.2	U
75-01-4	Vinyl chloride	5.2	2.0	5.2	U
179601-23-1	m,p-Xylene	10.5	1.0	10.5	U
95-47-6	o-Xylene	5.2	1.1	5.2	U
109-99-9	Tetrahydrofuran	10.5	5.6	10.5	U
60-29-7	Ethyl ether	5.2	1.2	5.2	U
994-05-8	Tert-amyl methyl ether	5.2	2.0	5.2	U
637-92-3	Ethyl tert-butyl ether	5.2	2.0	5.2	U
108-20-3	Di-isopropyl ether	5.2	0.8	5.2	U
75-65-0	Tert-Butanol / butyl alcohol	52.3	22.1	52.3	U
110-57-6	trans-1,4-Dichloro-2-butene	26.2	6.8	26.2	U
110-82-7	Cyclohexane	26.2	1.2	26.2	U
1330-20-7	Total Xylenes	5.2	1.0	5.2	U
79-20-9	Methyl acetate	26.2	2.1	26.2	U J

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	1990115.D		
Sampled:	04/04/16 15:05	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 13:46		
% Solids:	80.69	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.68 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	26.2	1.2	26.2	U
123-91-1	1,4-Dioxane	105	57.7	105	U
64-17-5	Ethanol	2090	121	2090	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	1990115.D		
Sampled:	04/04/16 15:05	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 13:46		
% Solids:	80.69	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.68 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-15RE1	File ID:	1990115RE1.D
Sampled:	04/04/16 15:05	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 17:22
% Solids:	80.69	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.5 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.8	1.8	4.8	U
67-64-1	Acetone	48.4	5.4	48.4	U
107-13-1	Acrylonitrile	4.8	1.2	4.8	U
71-43-2	Benzene	4.8	0.7	4.8	U
108-86-1	Bromobenzene	4.8	0.9	4.8	U
74-97-5	Bromochloromethane	4.8	1.9	4.8	U
75-27-4	Bromodichloromethane	4.8	1.0	4.8	U
75-25-2	Bromoform	4.8	1.3	4.8	U
74-83-9	Bromomethane	9.7	2.3	9.7	U
78-93-3	2-Butanone (MEK)	48.4	2.8	48.4	U
104-51-8	n-Butylbenzene	4.8	0.7	4.8	U
135-98-8	sec-Butylbenzene	4.8	1.1	4.8	U
98-06-6	tert-Butylbenzene	4.8	2.0	4.8	U
75-15-0	Carbon disulfide	9.7	1.3	9.7	U
56-23-5	Carbon tetrachloride	4.8	1.1	4.8	U
108-90-7	Chlorobenzene	4.8	0.7	4.8	U
75-00-3	Chloroethane	9.7	1.7	9.7	U
67-66-3	Chloroform	4.8	1.6	4.8	U
74-87-3	Chloromethane	9.7	1.3	9.7	U
95-49-8	2-Chlorotoluene	4.8	1.3	4.8	U
106-43-4	4-Chlorotoluene	4.8	0.9	4.8	U
96-12-8	1,2-Dibromo-3-chloropropane	9.7	3.6	9.7	U
124-48-1	Dibromochloromethane	4.8	1.0	4.8	U
106-93-4	1,2-Dibromoethane (EDB)	4.8	1.0	4.8	U
74-95-3	Dibromomethane	4.8	1.4	4.8	U
95-50-1	1,2-Dichlorobenzene	4.8	0.8	4.8	U
541-73-1	1,3-Dichlorobenzene	4.8	0.8	4.8	U
106-46-7	1,4-Dichlorobenzene	4.8	0.9	4.8	U
75-71-8	Dichlorodifluoromethane (Freon12)	9.7	1.4	9.7	U
75-34-3	1,1-Dichloroethane	4.8	1.5	4.8	U
107-06-2	1,2-Dichloroethane	4.8	1.2	4.8	U
75-35-4	1,1-Dichloroethene	4.8	1.5	4.8	U
156-59-2	cis-1,2-Dichloroethene	4.8	1.8	4.8	U
156-60-5	trans-1,2-Dichloroethene	4.8	2.1	4.8	U
78-87-5	1,2-Dichloropropane	4.8	1.7	4.8	U
142-28-9	1,3-Dichloropropane	4.8	0.9	4.8	U
594-20-7	2,2-Dichloropropane	4.8	2.3	4.8	U
563-58-6	1,1-Dichloropropene	4.8	1.2	4.8	U
10061-01-5	cis-1,3-Dichloropropene	4.8	0.9	4.8	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-15RE1	File ID:	1990115RE1.D
Sampled:	04/04/16 15:05	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 17:22
% Solids:	80.69	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.5 g / 5 ml
Batch:	1606215	Sequence:	S608017	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.8	1.6	4.8	U
100-41-4	Ethylbenzene	4.8	0.9	4.8	U
87-68-3	Hexachlorobutadiene	4.8	0.9	4.8	U
591-78-6	2-Hexanone (MBK)	48.4	3.3	48.4	U
98-82-8	Isopropylbenzene	4.8	0.9	4.8	U
99-87-6	4-Isopropyltoluene	4.8	0.6	4.8	U
1634-04-4	Methyl tert-butyl ether	4.8	1.1	4.8	U
108-10-1	4-Methyl-2-pentanone (MIBK)	48.4	2.3	48.4	U
75-09-2	Methylene chloride	9.7	1.4	9.7	U
91-20-3	Naphthalene	4.8	2.7	4.8	U
103-65-1	n-Propylbenzene	4.8	0.7	4.8	U
100-42-5	Styrene	4.8	0.8	4.8	U
630-20-6	1,1,1,2-Tetrachloroethane	4.8	0.6	4.8	U
79-34-5	1,1,2,2-Tetrachloroethane	4.8	2.6	4.8	U
127-18-4	Tetrachloroethene	4.8	1.8	4.8	U
108-88-3	Toluene	4.8	1.1	4.8	U
87-61-6	1,2,3-Trichlorobenzene	4.8	2.8	4.8	U
120-82-1	1,2,4-Trichlorobenzene	4.8	1.6	4.8	U
71-55-6	1,1,1-Trichloroethane	4.8	1.2	4.8	U
108-70-3	1,3,5-Trichlorobenzene	4.8	1.0	4.8	U
79-00-5	1,1,2-Trichloroethane	4.8	0.9	4.8	U
79-01-6	Trichloroethene	16.5	0.7	4.8	
75-69-4	Trichlorofluoromethane (Freon 11)	4.8	1.7	4.8	U
96-18-4	1,2,3-Trichloropropane	4.8	1.5	4.8	U
95-63-6	1,2,4-Trimethylbenzene	4.8	0.7	4.8	U
108-67-8	1,3,5-Trimethylbenzene	4.8	0.6	4.8	U
75-01-4	Vinyl chloride	4.8	1.8	4.8	U
179601-23-1	m,p-Xylene	9.7	1.0	9.7	U
95-47-6	o-Xylene	4.8	1.0	4.8	U
109-99-9	Tetrahydrofuran	9.7	5.2	9.7	U
60-29-7	Ethyl ether	4.8	1.1	4.8	U
994-05-8	Tert-amyl methyl ether	4.8	1.8	4.8	U
637-92-3	Ethyl tert-butyl ether	4.8	1.9	4.8	U
108-20-3	Di-isopropyl ether	4.8	0.7	4.8	U
75-65-0	Tert-Butanol / butyl alcohol	48.4	20.5	48.4	U
110-57-6	trans-1,4-Dichloro-2-butene	24.2	6.3	24.2	U
110-82-7	Cyclohexane	24.2	1.1	24.2	U
1330-20-7	Total Xylenes	4.8	1.0	4.8	U
79-20-9	Methyl acetate	24.2	2.0	24.2	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-15RE1	File ID:	1990115RE1.D
Sampled:	04/04/16 15:05	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 17:22
% Solids:	80.69	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.5 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	24.2	1.1	24.2	U
123-91-1	1,4-Dioxane	96.8	53.4	96.8	U
64-17-5	Ethanol	1940	112	1940	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	1990118.D
Sampled:	04/04/16 16:15	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 14:16
% Solids:	83.74	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.92 g / 5 ml
Batch:	1606025	Sequence:	S602944	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.3	1.6	4.3	U J
67-64-1	Acetone	43.2	4.8	43.2	U
107-13-1	Acrylonitrile	4.3	1.1	4.3	U
71-43-2	Benzene	4.3	0.6	4.3	U
108-86-1	Bromobenzene	4.3	0.8	4.3	U
74-97-5	Bromochloromethane	4.3	1.7	4.3	U
75-27-4	Bromodichloromethane	4.3	0.9	4.3	U
75-25-2	Bromoform	4.3	1.1	4.3	U
74-83-9	Bromomethane	8.6	2.1	8.6	U
78-93-3	2-Butanone (MEK)	43.2	2.5	43.2	U
104-51-8	n-Butylbenzene	4.3	0.6	4.3	U
135-98-8	sec-Butylbenzene	4.3	1.0	4.3	U J
98-06-6	tert-Butylbenzene	4.3	1.8	4.3	U J
75-15-0	Carbon disulfide	8.6	1.1	8.6	U
56-23-5	Carbon tetrachloride	4.3	0.9	4.3	U
108-90-7	Chlorobenzene	4.3	0.6	4.3	U
75-00-3	Chloroethane	8.6	1.5	8.6	U
67-66-3	Chloroform	4.3	1.4	4.3	U
74-87-3	Chloromethane	8.6	1.2	8.6	U
95-49-8	2-Chlorotoluene	4.3	1.1	4.3	U
106-43-4	4-Chlorotoluene	4.3	0.8	4.3	U
96-12-8	1,2-Dibromo-3-chloropropane	8.6	3.2	8.6	U
124-48-1	Dibromochloromethane	4.3	0.9	4.3	U
106-93-4	1,2-Dibromoethane (EDB)	4.3	0.9	4.3	U
74-95-3	Dibromomethane	4.3	1.2	4.3	U
95-50-1	1,2-Dichlorobenzene	4.3	0.7	4.3	U
541-73-1	1,3-Dichlorobenzene	4.3	0.7	4.3	U
106-46-7	1,4-Dichlorobenzene	4.3	0.8	4.3	U
75-71-8	Dichlorodifluoromethane (Freon12)	8.6	1.3	8.6	U
75-34-3	1,1-Dichloroethane	4.3	1.4	4.3	U
107-06-2	1,2-Dichloroethane	4.3	1.0	4.3	U
75-35-4	1,1-Dichloroethene	4.3	1.3	4.3	U J
156-59-2	cis-1,2-Dichloroethene	4.3	1.6	4.3	U
156-60-5	trans-1,2-Dichloroethene	4.3	1.9	4.3	U
78-87-5	1,2-Dichloropropane	4.3	1.5	4.3	U
142-28-9	1,3-Dichloropropane	4.3	0.8	4.3	U
594-20-7	2,2-Dichloropropane	4.3	2.0	4.3	U
563-58-6	1,1-Dichloropropene	4.3	1.1	4.3	U
10061-01-5	cis-1,3-Dichloropropene	4.3	0.8	4.3	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	1990118.D
Sampled:	04/04/16 16:15	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 14:16
% Solids:	83.74	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.92 g / 5 ml
Batch:	1606025	Sequence:	S602944	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.3	1.5	4.3	U
100-41-4	Ethylbenzene	4.3	0.8	4.3	U
87-68-3	Hexachlorobutadiene	4.3	0.8	4.3	U
591-78-6	2-Hexanone (MBK)	43.2	2.9	43.2	U
98-82-8	Isopropylbenzene	4.3	0.8	4.3	U
99-87-6	4-Isopropyltoluene	4.3	0.5	4.3	U
1634-04-4	Methyl tert-butyl ether	4.3	0.9	4.3	U
108-10-1	4-Methyl-2-pentanone (MIBK)	43.2	2.1	43.2	U
75-09-2	Methylene chloride	8.6	1.3	8.6	U
91-20-3	Naphthalene	4.3	2.4	4.3	U
103-65-1	n-Propylbenzene	4.3	0.7	4.3	U
100-42-5	Styrene	4.3	0.7	4.3	U
630-20-6	1,1,1,2-Tetrachloroethane	4.3	0.5	4.3	U
79-34-5	1,1,2,2-Tetrachloroethane	4.3	2.3	4.3	U
127-18-4	Tetrachloroethene	2.7	1.6	4.3	J
108-88-3	Toluene	4.3	1.0	4.3	U
87-61-6	1,2,3-Trichlorobenzene	4.3	2.5	4.3	U
120-82-1	1,2,4-Trichlorobenzene	4.3	1.4	4.3	U
71-55-6	1,1,1-Trichloroethane	4.3	1.1	4.3	U
108-70-3	1,3,5-Trichlorobenzene	4.3	0.9	4.3	U
79-00-5	1,1,2-Trichloroethane	4.3	0.8	4.3	U
79-01-6	Trichloroethene	303	0.7	4.3	E
75-69-4	Trichlorofluoromethane (Freon 11)	4.3	1.6	4.3	U
96-18-4	1,2,3-Trichloropropane	4.3	1.4	4.3	U
95-63-6	1,2,4-Trimethylbenzene	4.3	0.6	4.3	U
108-67-8	1,3,5-Trimethylbenzene	4.3	0.5	4.3	U
75-01-4	Vinyl chloride	4.3	1.6	4.3	U
179601-23-1	m,p-Xylene	8.6	0.9	8.6	U
95-47-6	o-Xylene	4.3	0.9	4.3	U
109-99-9	Tetrahydrofuran	8.6	4.6	8.6	U
60-29-7	Ethyl ether	4.3	1.0	4.3	U
994-05-8	Tert-amyl methyl ether	4.3	1.6	4.3	U
637-92-3	Ethyl tert-butyl ether	4.3	1.7	4.3	U
108-20-3	Di-isopropyl ether	4.3	0.6	4.3	U
75-65-0	Tert-Butanol / butyl alcohol	43.2	18.3	43.2	U
110-57-6	trans-1,4-Dichloro-2-butene	21.6	5.6	21.6	U
110-82-7	Cyclohexane	21.6	1.0	21.6	U
1330-20-7	Total Xylenes	4.3	0.9	4.3	U
79-20-9	Methyl acetate	21.6	1.7	21.6	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	1990118.D		
Sampled:	04/04/16 16:15	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 14:16		
% Solids:	83.74	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.92 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	21.6	1.0	21.6	U
123-91-1	1,4-Dioxane	86.4	47.6	86.4	U
64-17-5	Ethanol	1730	99.6	1730	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	1990118.D		
Sampled:	04/04/16 16:15	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 14:16		
% Solids:	83.74	Preparation:	SW846 5035A Soil (low leve	Initial/Final:	8.92 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18RE1	File ID:	1990118RE1.D
Sampled:	04/04/16 16:15	Prepared:	04/18/16 09:57	Analyzed:	04/18/16 13:33
% Solids:	83.74	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.39 g / 15 ml
Batch:	1606435	Sequence:	S603116	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	131	49.7	131	UD
67-64-1	Acetone	1310	145	1310	UD
107-13-1	Acrylonitrile	131	32.1	131	UD
71-43-2	Benzene	131	19.5	131	UD
108-86-1	Bromobenzene	131	24.0	131	UD
74-97-5	Bromochloromethane	131	51.7	131	UD
75-27-4	Bromodichloromethane	131	27.1	131	UD
75-25-2	Bromoform	131	34.4	131	UD
74-83-9	Bromomethane	262	63.0	262	UD
78-93-3	2-Butanone (MEK)	1310	76.1	1310	UD
104-51-8	n-Butylbenzene	131	19.5	131	UD
135-98-8	sec-Butylbenzene	131	29.5	131	UD
98-06-6	tert-Butylbenzene	131	55.1	131	UD
75-15-0	Carbon disulfide	262	34.8	262	UD
56-23-5	Carbon tetrachloride	131	28.5	131	UD
108-90-7	Chlorobenzene	131	18.6	131	UD
75-00-3	Chloroethane	262	45.4	262	UD
67-66-3	Chloroform	131	43.3	131	UD
74-87-3	Chloromethane	262	36.4	262	UD
95-49-8	2-Chlorotoluene	131	34.0	131	UD
106-43-4	4-Chlorotoluene	131	25.5	131	UD
96-12-8	1,2-Dibromo-3-chloropropane	262	96.7	262	UD
124-48-1	Dibromochloromethane	131	26.8	131	UD
106-93-4	1,2-Dibromoethane (EDB)	131	26.2	131	UD
74-95-3	Dibromomethane	131	36.7	131	UD
95-50-1	1,2-Dichlorobenzene	131	21.2	131	UD
541-73-1	1,3-Dichlorobenzene	131	21.1	131	UD
106-46-7	1,4-Dichlorobenzene	131	24.0	131	UD
75-71-8	Dichlorodifluoromethane (Freon12)	262	38.6	262	UD
75-34-3	1,1-Dichloroethane	131	41.4	131	UD
107-06-2	1,2-Dichloroethane	131	31.8	131	UD
75-35-4	1,1-Dichloroethene	131	40.6	131	UD
156-59-2	cis-1,2-Dichloroethene	131	48.2	131	UD
156-60-5	trans-1,2-Dichloroethene	131	56.3	131	UD
78-87-5	1,2-Dichloropropane	131	45.4	131	UD
142-28-9	1,3-Dichloropropane	131	25.7	131	UD
594-20-7	2,2-Dichloropropane	131	61.8	131	UD
563-58-6	1,1-Dichloropropene	131	32.6	131	UD
10061-01-5	cis-1,3-Dichloropropene	131	24.9	131	UD

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18RE1	File ID:	1990118RE1.D
Sampled:	04/04/16 16:15	Prepared:	04/18/16 09:57	Analyzed:	04/18/16 13:33
% Solids:	83.74	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.39 g / 15 ml
Batch:	1606435	Sequence:	S603116	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	131	44.1	131	UD
100-41-4	Ethylbenzene	131	23.0	131	UD
87-68-3	Hexachlorobutadiene	131	25.7	131	UD
591-78-6	2-Hexanone (MBK)	1310	88.2	1310	UD
98-82-8	Isopropylbenzene	131	24.9	131	UD
99-87-6	4-Isopropyltoluene	131	16.5	131	UD
1634-04-4	Methyl tert-butyl ether	131	28.4	131	UD
108-10-1	4-Methyl-2-pentanone (MIBK)	1310	63.5	1310	UD
75-09-2	Methylene chloride	262	38.1	262	UD
91-20-3	Naphthalene	131	72.6	131	UD
103-65-1	n-Propylbenzene	131	19.8	131	UD
100-42-5	Styrene	131	22.5	131	UD
630-20-6	1,1,1,2-Tetrachloroethane	131	16.2	131	UD
79-34-5	1,1,2,2-Tetrachloroethane	131	71.2	131	UD
127-18-4	Tetrachloroethene	131	49.9	131	UD
108-88-3	Toluene	131	30.1	131	UD
87-61-6	1,2,3-Trichlorobenzene	131	74.9	131	UD
120-82-1	1,2,4-Trichlorobenzene	131	42.3	131	UD
71-55-6	1,1,1-Trichloroethane	131	33.8	131	UD
108-70-3	1,3,5-Trichlorobenzene	131	25.8	131	UD
79-00-5	1,1,2-Trichloroethane	131	25.3	131	UD
79-01-6	Trichloroethene	764	20.0	131	D
75-69-4	Trichlorofluoromethane (Freon 11)	131	47.3	131	UD
96-18-4	1,2,3-Trichloropropane	131	41.5	131	UD
95-63-6	1,2,4-Trimethylbenzene	131	18.6	131	UD
108-67-8	1,3,5-Trimethylbenzene	131	16.6	131	UD
75-01-4	Vinyl chloride	131	49.7	131	UD
179601-23-1	m,p-Xylene	262	25.8	262	UD
95-47-6	o-Xylene	131	27.9	131	UD
109-99-9	Tetrahydrofuran	262	140	262	UD
60-29-7	Ethyl ether	131	30.2	131	UD
994-05-8	Tert-amyl methyl ether	131	49.9	131	UD
637-92-3	Ethyl tert-butyl ether	131	50.5	131	UD
108-20-3	Di-isopropyl ether	131	19.2	131	UD
75-65-0	Tert-Butanol / butyl alcohol	1310	554	1310	UD
110-57-6	trans-1,4-Dichloro-2-butene	654	170	654	UD
64-17-5	Ethanol	52400	3020	52400	UD
110-82-7	Cyclohexane	654	30.4	654	UD
1330-20-7	Total Xylenes	131	25.8	131	UD

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-18RE1	File ID:	1990118RE1.D		
Sampled:	04/04/16 16:15	Prepared:	04/18/16 09:57	Analyzed:	04/18/16 13:33		
% Solids:	83.74	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.39 g / 15 ml		
Batch:	1606435	Sequence:	S603116	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	654	53.0	654	UD
108-87-2	Methylcyclohexane	654	31.0	654	UD
123-91-1	1,4-Dioxane	2620	1440	2620	UD

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-18RE1	File ID:	1990118RE1.D		
Sampled:	04/04/16 16:15	Prepared:	04/18/16 09:57	Analyzed:	04/18/16 13:33		
% Solids:	83.74	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.39 g / 15 ml		
Batch:	1606435	Sequence:	S603116	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	1990122.D		
Sampled:	04/04/16 17:20	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 14:45		
% Solids:	83.99	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.38 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.5	1.7	4.5	U
67-64-1	Acetone	45.0	5.0	45.0	U
107-13-1	Acrylonitrile	4.5	1.1	4.5	U
71-43-2	Benzene	4.5	0.7	4.5	U
108-86-1	Bromobenzene	4.5	0.8	4.5	U
74-97-5	Bromochloromethane	4.5	1.8	4.5	U
75-27-4	Bromodichloromethane	4.5	0.9	4.5	U
75-25-2	Bromoform	4.5	1.2	4.5	U
74-83-9	Bromomethane	9.0	2.2	9.0	U
78-93-3	2-Butanone (MEK)	45.0	2.6	45.0	U
104-51-8	n-Butylbenzene	4.5	0.7	4.5	U
135-98-8	sec-Butylbenzene	4.5	1.0	4.5	U
98-06-6	tert-Butylbenzene	4.5	1.9	4.5	U
75-15-0	Carbon disulfide	2.8	1.2	9.0	J
56-23-5	Carbon tetrachloride	4.5	1.0	4.5	U
108-90-7	Chlorobenzene	4.5	0.6	4.5	U
75-00-3	Chloroethane	9.0	1.6	9.0	U
67-66-3	Chloroform	4.5	1.5	4.5	U
74-87-3	Chloromethane	9.0	1.3	9.0	U
95-49-8	2-Chlorotoluene	4.5	1.2	4.5	U
106-43-4	4-Chlorotoluene	4.5	0.9	4.5	U
96-12-8	1,2-Dibromo-3-chloropropane	9.0	3.3	9.0	U
124-48-1	Dibromochloromethane	4.5	0.9	4.5	U
106-93-4	1,2-Dibromoethane (EDB)	4.5	0.9	4.5	U
74-95-3	Dibromomethane	4.5	1.3	4.5	U
95-50-1	1,2-Dichlorobenzene	4.5	0.7	4.5	U
541-73-1	1,3-Dichlorobenzene	4.5	0.7	4.5	U
106-46-7	1,4-Dichlorobenzene	4.5	0.8	4.5	U
75-71-8	Dichlorodifluoromethane (Freon12)	9.0	1.3	9.0	U
75-34-3	1,1-Dichloroethane	4.5	1.4	4.5	U
107-06-2	1,2-Dichloroethane	4.5	1.1	4.5	U
75-35-4	1,1-Dichloroethene	4.5	1.4	4.5	U
156-59-2	cis-1,2-Dichloroethene	7.7	1.7	4.5	
156-60-5	trans-1,2-Dichloroethene	4.5	1.9	4.5	U
78-87-5	1,2-Dichloropropane	4.5	1.6	4.5	U
142-28-9	1,3-Dichloropropane	4.5	0.9	4.5	U
594-20-7	2,2-Dichloropropane	4.5	2.1	4.5	U
563-58-6	1,1-Dichloropropene	4.5	1.1	4.5	U
10061-01-5	cis-1,3-Dichloropropene	4.5	0.9	4.5	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	1990122.D		
Sampled:	04/04/16 17:20	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 14:45		
% Solids:	83.99	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.38 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.5	1.5	4.5	U
100-41-4	Ethylbenzene	4.5	0.8	4.5	U
87-68-3	Hexachlorobutadiene	4.5	0.9	4.5	U
591-78-6	2-Hexanone (MBK)	45.0	3.0	45.0	U
98-82-8	Isopropylbenzene	4.5	0.9	4.5	U
99-87-6	4-Isopropyltoluene	4.5	0.6	4.5	U
1634-04-4	Methyl tert-butyl ether	4.5	1.0	4.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	45.0	2.2	45.0	U
75-09-2	Methylene chloride	9.0	1.3	9.0	U
91-20-3	Naphthalene	4.5	2.5	4.5	U
103-65-1	n-Propylbenzene	4.5	0.7	4.5	U
100-42-5	Styrene	4.5	0.8	4.5	U
630-20-6	1,1,1,2-Tetrachloroethane	4.5	0.6	4.5	U
79-34-5	1,1,2,2-Tetrachloroethane	4.5	2.5	4.5	U
127-18-4	Tetrachloroethene	16.1	1.7	4.5	
108-88-3	Toluene	4.5	1.0	4.5	U
87-61-6	1,2,3-Trichlorobenzene	4.5	2.6	4.5	U
120-82-1	1,2,4-Trichlorobenzene	4.5	1.5	4.5	U
71-55-6	1,1,1-Trichloroethane	4.5	1.2	4.5	U
108-70-3	1,3,5-Trichlorobenzene	4.5	0.9	4.5	U
79-00-5	1,1,2-Trichloroethane	4.5	0.9	4.5	U
79-01-6	Trichloroethene	40.6	0.7	4.5	
75-69-4	Trichlorofluoromethane (Freon 11)	4.5	1.6	4.5	U
96-18-4	1,2,3-Trichloropropane	4.5	1.4	4.5	U
95-63-6	1,2,4-Trimethylbenzene	4.5	0.6	4.5	U
108-67-8	1,3,5-Trimethylbenzene	4.5	0.6	4.5	U
75-01-4	Vinyl chloride	4.5	1.7	4.5	U
179601-23-1	m,p-Xylene	9.0	0.9	9.0	U
95-47-6	o-Xylene	4.5	1.0	4.5	U
109-99-9	Tetrahydrofuran	9.0	4.8	9.0	U
60-29-7	Ethyl ether	4.5	1.0	4.5	U
994-05-8	Tert-amyl methyl ether	4.5	1.7	4.5	U
637-92-3	Ethyl tert-butyl ether	4.5	1.7	4.5	U
108-20-3	Di-isopropyl ether	4.5	0.7	4.5	U
75-65-0	Tert-Butanol / butyl alcohol	45.0	19.1	45.0	U
110-57-6	trans-1,4-Dichloro-2-butene	22.5	5.8	22.5	U
110-82-7	Cyclohexane	22.5	1.0	22.5	U
1330-20-7	Total Xylenes	4.5	0.9	4.5	U
79-20-9	Methyl acetate	3.4	1.8	22.5	J

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	1990122.D		
Sampled:	04/04/16 17:20	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 14:45		
% Solids:	83.99	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.38 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	22.5	1.1	22.5	U
123-91-1	1,4-Dioxane	90.1	49.7	90.1	U
64-17-5	Ethanol	1800	104	1800	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	1990122.D		
Sampled:	04/04/16 17:20	Prepared:	04/13/16 00:00	Analyzed:	04/13/16 14:45		
% Solids:	83.99	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.38 g / 5 ml		
Batch:	1606025	Sequence:	S602944	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	1990123.D		
Sampled:	04/05/16 20:00	Prepared:	04/09/16 11:28	Analyzed:	04/10/16 05:41		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1605919	Sequence:	S602855	Calibration:	1604005	Instrument:	HPV1
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	10.0	3.4	10.0	U
107-13-1	Acrylonitrile	0.5	0.4	0.5	U
71-43-2	Benzene	1.0	0.2	1.0	U
108-86-1	Bromobenzene	1.0	0.2	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.2	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.6	2.0	U
78-93-3	2-Butanone (MEK)	10.0	1.2	10.0	U
104-51-8	n-Butylbenzene	1.0	0.3	1.0	U
135-98-8	sec-Butylbenzene	1.0	0.3	1.0	U
98-06-6	tert-Butylbenzene	1.0	0.3	1.0	U
75-15-0	Carbon disulfide	2.0	0.3	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U J
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.5	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
95-49-8	2-Chlorotoluene	1.0	0.3	1.0	U J
106-43-4	4-Chlorotoluene	1.0	0.3	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
74-95-3	Dibromomethane	1.0	0.2	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.4	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.2	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
142-28-9	1,3-Dichloropropane	1.0	0.2	1.0	U
594-20-7	2,2-Dichloropropane	1.0	0.7	1.0	U
563-58-6	1,1-Dichloropropene	1.0	0.4	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	1990123.D		
Sampled:	04/05/16 20:00	Prepared:	04/09/16 11:28	Analyzed:	04/10/16 05:41		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1605919	Sequence:	S602855	Calibration:	1604005	Instrument:	HPV1
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.2	1.0	U
87-68-3	Hexachlorobutadiene	0.5	0.4	0.5	U
591-78-6	2-Hexanone (MBK)	10.0	1.2	10.0	U
98-82-8	Isopropylbenzene	1.0	0.3	1.0	U J
99-87-6	4-Isopropyltoluene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	10.0	0.9	10.0	U
75-09-2	Methylene chloride	2.0	0.8	2.0	U
91-20-3	Naphthalene	1.0	0.3	1.0	U
103-65-1	n-Propylbenzene	1.0	0.3	1.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	0.6	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
108-70-3	1,3,5-Trichlorobenzene	1.0	0.3	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.2	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U J
96-18-4	1,2,3-Trichloropropane	1.0	0.3	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	0.3	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	0.2	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
179601-23-1	m,p-Xylene	2.0	0.3	2.0	U
95-47-6	o-Xylene	1.0	0.5	1.0	U
109-99-9	Tetrahydrofuran	2.0	0.9	2.0	U
60-29-7	Ethyl ether	1.0	0.4	1.0	U
994-05-8	Tert-amyl methyl ether	1.0	0.5	1.0	U
637-92-3	Ethyl tert-butyl ether	1.0	0.2	1.0	U
108-20-3	Di-isopropyl ether	1.0	0.2	1.0	U
75-65-0	Tert-Butanol / butyl alcohol	10.0	6.0	10.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	3.1	5.0	U
110-82-7	Cyclohexane	5.0	4.7	5.0	U
1330-20-7	Total Xylenes	1.0	0.3	1.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	1990123.D		
Sampled:	04/05/16 20:00	Prepared:	04/09/16 11:28	Analyzed:	04/10/16 05:41		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1605919	Sequence:	S602855	Calibration:	1604005	Instrument:	HPV1
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
64-17-5	Ethanol	400	23.6	400	U J

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	1990123.D		
Sampled:	04/05/16 20:00	Prepared:	04/09/16 11:28	Analyzed:	04/10/16 05:41		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1605919	Sequence:	S602855	Calibration:	1604005	Instrument:	HPV1
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	C1990101.D
Sampled:	04/04/16 18:30	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 12:25
% Solids:	80.81	Preparation:	SW846 3545A	Initial/Final:	30.1176 g / 1 ml
Batch:	1606115	Sequence:	S603221	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	82.2	54.5	82.2	U
208-96-8	Acenaphthylene	82.2	55.1	82.2	U
62-53-3	Aniline	407	56.2	407	U
120-12-7	Anthracene	82.2	53.5	82.2	U
103-33-3	Azobenzene/Diphenyldiazene	407	50.5	407	U
92-87-5	Benzidine	407	175	407	U
56-55-3	Benzo (a) anthracene	82.2	46.0	82.2	U
50-32-8	Benzo (a) pyrene	82.2	50.4	82.2	U
205-99-2	Benzo (b) fluoranthene	82.2	45.3	82.2	U
191-24-2	Benzo (g,h,i) perylene	82.2	49.4	82.2	U
207-08-9	Benzo (k) fluoranthene	82.2	57.2	82.2	U
65-85-0	Benzoic acid	407	97.8	407	U
100-51-6	Benzyl alcohol	407	41.7	407	U
111-91-1	Bis(2-chloroethoxy)methane	407	47.7	407	U
111-44-4	Bis(2-chloroethyl)ether	206	46.0	206	U
108-60-1	Bis(2-chloroisopropyl)ether	206	47.3	206	U
117-81-7	Bis(2-ethylhexyl)phthalate	206	48.4	206	U
101-55-3	4-Bromophenyl phenyl ether	407	47.4	407	U
85-68-7	Butyl benzyl phthalate	407	50.9	407	U
86-74-8	Carbazole	206	53.7	206	U
59-50-7	4-Chloro-3-methylphenol	407	60.8	407	U J
106-47-8	4-Chloroaniline	206	59.7	206	U
91-58-7	2-Chloronaphthalene	407	52.0	407	U
95-57-8	2-Chlorophenol	206	47.1	206	U
7005-72-3	4-Chlorophenyl phenyl ether	407	54.2	407	U
218-01-9	Chrysene	82.2	42.3	82.2	U
53-70-3	Dibenzo (a,h) anthracene	82.2	58.3	82.2	U
132-64-9	Dibenzofuran	206	53.1	206	U
95-50-1	1,2-Dichlorobenzene	407	51.1	407	U
541-73-1	1,3-Dichlorobenzene	407	45.5	407	U
106-46-7	1,4-Dichlorobenzene	407	48.3	407	U
91-94-1	3,3´-Dichlorobenzidine	407	59.5	407	U
120-83-2	2,4-Dichlorophenol	206	51.3	206	U
84-66-2	Diethyl phthalate	407	49.6	407	U
131-11-3	Dimethyl phthalate	407	48.0	407	U
105-67-9	2,4-Dimethylphenol	407	47.2	407	U
84-74-2	Di-n-butyl phthalate	407	50.5	407	U
534-52-1	4,6-Dinitro-2-methylphenol	407	61.5	407	U
51-28-5	2,4-Dinitrophenol	407	71.7	407	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	C1990101.D		
Sampled:	04/04/16 18:30	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 12:25		
% Solids:	80.81	Preparation:	SW846 3545A	Initial/Final:	30.1176 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	206	61.9	206	U J
606-20-2	2,6-Dinitrotoluene	206	50.0	206	U
117-84-0	Di-n-octyl phthalate	407	59.7	407	U
206-44-0	Fluoranthene	82.2	46.1	82.2	U
86-73-7	Fluorene	82.2	50.9	82.2	U
118-74-1	Hexachlorobenzene	206	48.0	206	U
87-68-3	Hexachlorobutadiene	206	50.8	206	U
77-47-4	Hexachlorocyclopentadiene	206	74.2	206	U J
67-72-1	Hexachloroethane	206	45.2	206	U
193-39-5	Indeno (1,2,3-cd) pyrene	82.2	54.7	82.2	U J
78-59-1	Isophorone	206	47.1	206	U
91-57-6	2-Methylnaphthalene	82.2	49.5	82.2	U
95-48-7	2-Methylphenol	407	47.8	407	U
108-39-4, 106-44	3 & 4-Methylphenol	407	48.1	407	U
91-20-3	Naphthalene	82.2	49.4	82.2	U
88-74-4	2-Nitroaniline	407	68.2	407	U J
99-09-2	3-Nitroaniline	407	73.2	407	U
100-01-6	4-Nitroaniline	206	81.0	206	U
98-95-3	Nitrobenzene	206	49.9	206	U
88-75-5	2-Nitrophenol	206	53.0	206	U
100-02-7	4-Nitrophenol	1630	51.7	1630	U
62-75-9	N-Nitrosodimethylamine	206	46.6	206	U
621-64-7	N-Nitrosodi-n-propylamine	206	48.2	206	U
86-30-6	N-Nitrosodiphenylamine	407	56.5	407	U
87-86-5	Pentachlorophenol	407	66.4	407	U
85-01-8	Phenanthrene	82.2	49.6	82.2	U
108-95-2	Phenol	407	48.8	407	U
129-00-0	Pyrene	82.2	43.1	82.2	U
110-86-1	Pyridine	407	51.3	407	U
120-82-1	1,2,4-Trichlorobenzene	407	48.6	407	U
90-12-0	1-Methylnaphthalene	82.2	51.0	82.2	U J
95-95-4	2,4,5-Trichlorophenol	407	51.5	407	U
88-06-2	2,4,6-Trichlorophenol	206	49.3	206	U
82-68-8	Pentachloronitrobenzene	407	54.9	407	U
95-94-3	1,2,4,5-Tetrachlorobenzene	407	56.2	407	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	C1990101.D		
Sampled:	04/04/16 18:30	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 12:25		
% Solids:	80.81	Preparation:	SW846 3545A	Initial/Final:	30.1176 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000301-02-0	9-Octadecenamide, (Z)-	16.181	990	JN

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	C1990103.D
Sampled:	04/04/16 18:30	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 12:54
% Solids:	79.82	Preparation:	SW846 3545A	Initial/Final:	30.1553 g / 1 ml
Batch:	1606115	Sequence:	S603221	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	83.1	55.1	83.1	U
208-96-8	Acenaphthylene	83.1	55.7	83.1	U
62-53-3	Aniline	411	56.9	411	U
120-12-7	Anthracene	83.1	54.1	83.1	U
103-33-3	Azobenzene/Diphenyldiazene	411	51.1	411	U
92-87-5	Benzidine	411	177	411	U
56-55-3	Benzo (a) anthracene	83.1	46.5	83.1	U
50-32-8	Benzo (a) pyrene	83.1	50.9	83.1	U
205-99-2	Benzo (b) fluoranthene	83.1	45.8	83.1	U
191-24-2	Benzo (g,h,i) perylene	83.1	50.0	83.1	U
207-08-9	Benzo (k) fluoranthene	83.1	57.8	83.1	U
65-85-0	Benzoic acid	411	98.9	411	U
100-51-6	Benzyl alcohol	411	42.1	411	U
111-91-1	Bis(2-chloroethoxy)methane	411	48.2	411	U
111-44-4	Bis(2-chloroethyl)ether	208	46.6	208	U
108-60-1	Bis(2-chloroisopropyl)ether	208	47.8	208	U
117-81-7	Bis(2-ethylhexyl)phthalate	208	49.0	208	U
101-55-3	4-Bromophenyl phenyl ether	411	47.9	411	U
85-68-7	Butyl benzyl phthalate	411	51.5	411	U
86-74-8	Carbazole	208	54.3	208	U
59-50-7	4-Chloro-3-methylphenol	411	61.4	411	U
106-47-8	4-Chloroaniline	208	60.4	208	U
91-58-7	2-Chloronaphthalene	411	52.6	411	U
95-57-8	2-Chlorophenol	208	47.6	208	U
7005-72-3	4-Chlorophenyl phenyl ether	411	54.8	411	U
218-01-9	Chrysene	83.1	42.8	83.1	U
53-70-3	Dibenzo (a,h) anthracene	83.1	58.9	83.1	U
132-64-9	Dibenzofuran	208	53.6	208	U
95-50-1	1,2-Dichlorobenzene	411	51.6	411	U
541-73-1	1,3-Dichlorobenzene	411	46.0	411	U
106-46-7	1,4-Dichlorobenzene	411	48.8	411	U
91-94-1	3,3´-Dichlorobenzidine	411	60.1	411	U
120-83-2	2,4-Dichlorophenol	208	51.9	208	U
84-66-2	Diethyl phthalate	411	50.1	411	U
131-11-3	Dimethyl phthalate	411	48.5	411	U
105-67-9	2,4-Dimethylphenol	411	47.7	411	U
84-74-2	Di-n-butyl phthalate	411	51.1	411	U
534-52-1	4,6-Dinitro-2-methylphenol	411	62.2	411	U
51-28-5	2,4-Dinitrophenol	411	72.5	411	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	C1990103.D
Sampled:	04/04/16 18:30	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 12:54
% Solids:	79.82	Preparation:	SW846 3545A	Initial/Final:	30.1553 g / 1 ml
Batch:	1606115	Sequence:	S603221	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	208	62.5	208	U J
606-20-2	2,6-Dinitrotoluene	208	50.6	208	U
117-84-0	Di-n-octyl phthalate	411	60.4	411	U
206-44-0	Fluoranthene	83.1	46.6	83.1	U
86-73-7	Fluorene	83.1	51.5	83.1	U
118-74-1	Hexachlorobenzene	208	48.6	208	U
87-68-3	Hexachlorobutadiene	208	51.4	208	U
77-47-4	Hexachlorocyclopentadiene	208	75.0	208	U J
67-72-1	Hexachloroethane	208	45.7	208	U
193-39-5	Indeno (1,2,3-cd) pyrene	83.1	55.3	83.1	U J
78-59-1	Isophorone	208	47.6	208	U
91-57-6	2-Methylnaphthalene	83.1	50.1	83.1	U
95-48-7	2-Methylphenol	411	48.3	411	U
108-39-4, 106-44	3 & 4-Methylphenol	411	48.6	411	U
91-20-3	Naphthalene	83.1	49.9	83.1	U
88-74-4	2-Nitroaniline	411	68.9	411	U J
99-09-2	3-Nitroaniline	411	74.0	411	U
100-01-6	4-Nitroaniline	208	81.9	208	U
98-95-3	Nitrobenzene	208	50.5	208	U
88-75-5	2-Nitrophenol	208	53.6	208	U
100-02-7	4-Nitrophenol	1650	52.3	1650	U
62-75-9	N-Nitrosodimethylamine	208	47.1	208	U
621-64-7	N-Nitrosodi-n-propylamine	208	48.8	208	U
86-30-6	N-Nitrosodiphenylamine	411	57.1	411	U
87-86-5	Pentachlorophenol	411	67.2	411	U
85-01-8	Phenanthrene	83.1	50.1	83.1	U
108-95-2	Phenol	411	49.4	411	U
129-00-0	Pyrene	83.1	43.6	83.1	U
110-86-1	Pyridine	411	51.9	411	U
120-82-1	1,2,4-Trichlorobenzene	411	49.2	411	U
90-12-0	1-Methylnaphthalene	83.1	51.5	83.1	U J
95-95-4	2,4,5-Trichlorophenol	411	52.1	411	U
88-06-2	2,4,6-Trichlorophenol	208	49.8	208	U
82-68-8	Pentachloronitrobenzene	411	55.5	411	U
95-94-3	1,2,4,5-Tetrachlorobenzene	411	56.9	411	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	C1990103.D		
Sampled:	04/04/16 18:30	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 12:54		
% Solids:	79.82	Preparation:	SW846 3545A	Initial/Final:	30.1553 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000301-02-0	9-Octadecenamide, (Z)-	16.185	1200	JN

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	C1990105.D		
Sampled:	04/04/16 20:45	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 13:23		
% Solids:	79.67	Preparation:	SW846 3545A	Initial/Final:	30.1036 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	83.4	55.3	83.4	U
208-96-8	Acenaphthylene	83.4	55.9	83.4	U
62-53-3	Aniline	413	57.1	413	U
120-12-7	Anthracene	83.4	54.3	83.4	U
103-33-3	Azobenzene/Diphenyldiazene	413	51.3	413	U
92-87-5	Benzidine	413	178	413	U
56-55-3	Benzo (a) anthracene	83.4	46.7	83.4	U
50-32-8	Benzo (a) pyrene	83.4	51.1	83.4	U
205-99-2	Benzo (b) fluoranthene	48.3	46.0	83.4	J
191-24-2	Benzo (g,h,i) perylene	83.4	50.1	83.4	U
207-08-9	Benzo (k) fluoranthene	83.4	58.0	83.4	U
65-85-0	Benzoic acid	413	99.3	413	U
100-51-6	Benzyl alcohol	413	42.3	413	U
111-91-1	Bis(2-chloroethoxy)methane	413	48.4	413	U
111-44-4	Bis(2-chloroethyl)ether	209	46.7	209	U
108-60-1	Bis(2-chloroisopropyl)ether	209	48.0	209	U
117-81-7	Bis(2-ethylhexyl)phthalate	209	49.1	209	U
101-55-3	4-Bromophenyl phenyl ether	413	48.1	413	U
85-68-7	Butyl benzyl phthalate	413	51.7	413	U
86-74-8	Carbazole	209	54.5	209	U
59-50-7	4-Chloro-3-methylphenol	413	61.7	413	U J
106-47-8	4-Chloroaniline	209	60.6	209	U
91-58-7	2-Chloronaphthalene	413	52.8	413	U
95-57-8	2-Chlorophenol	209	47.8	209	U
7005-72-3	4-Chlorophenyl phenyl ether	413	55.0	413	U
218-01-9	Chrysene	83.4	42.9	83.4	U
53-70-3	Dibenzo (a,h) anthracene	83.4	59.2	83.4	U
132-64-9	Dibenzofuran	209	53.8	209	U
95-50-1	1,2-Dichlorobenzene	413	51.8	413	U
541-73-1	1,3-Dichlorobenzene	413	46.1	413	U
106-46-7	1,4-Dichlorobenzene	413	49.0	413	U
91-94-1	3,3´-Dichlorobenzidine	413	60.4	413	U
120-83-2	2,4-Dichlorophenol	209	52.1	209	U
84-66-2	Diethyl phthalate	413	50.3	413	U
131-11-3	Dimethyl phthalate	413	48.7	413	U
105-67-9	2,4-Dimethylphenol	413	47.9	413	U
84-74-2	Di-n-butyl phthalate	413	51.2	413	U
534-52-1	4,6-Dinitro-2-methylphenol	413	62.4	413	U
51-28-5	2,4-Dinitrophenol	413	72.8	413	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	C1990105.D		
Sampled:	04/04/16 20:45	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 13:23		
% Solids:	79.67	Preparation:	SW846 3545A	Initial/Final:	30.1036 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	209	62.8	209	U J
606-20-2	2,6-Dinitrotoluene	209	50.8	209	U
117-84-0	Di-n-octyl phthalate	413	60.6	413	U
206-44-0	Fluoranthene	78.3	46.8	83.4	J
86-73-7	Fluorene	83.4	51.7	83.4	U
118-74-1	Hexachlorobenzene	209	48.7	209	U
87-68-3	Hexachlorobutadiene	209	51.6	209	U
77-47-4	Hexachlorocyclopentadiene	209	75.3	209	U J
67-72-1	Hexachloroethane	209	45.9	209	U
193-39-5	Indeno (1,2,3-cd) pyrene	83.4	55.5	83.4	U J
78-59-1	Isophorone	209	47.7	209	U
91-57-6	2-Methylnaphthalene	83.4	50.2	83.4	U
95-48-7	2-Methylphenol	413	48.5	413	U
108-39-4, 106-44	3 & 4-Methylphenol	413	48.8	413	U
91-20-3	Naphthalene	83.4	50.1	83.4	U
88-74-4	2-Nitroaniline	413	69.2	413	U J
99-09-2	3-Nitroaniline	413	74.3	413	U
100-01-6	4-Nitroaniline	209	82.2	209	U
98-95-3	Nitrobenzene	209	50.6	209	U
88-75-5	2-Nitrophenol	209	53.8	209	U
100-02-7	4-Nitrophenol	1650	52.5	1650	U
62-75-9	N-Nitrosodimethylamine	209	47.3	209	U
621-64-7	N-Nitrosodi-n-propylamine	209	48.9	209	U
86-30-6	N-Nitrosodiphenylamine	413	57.3	413	U
87-86-5	Pentachlorophenol	413	67.4	413	U
85-01-8	Phenanthrene	83.4	50.3	83.4	U
108-95-2	Phenol	413	49.6	413	U
129-00-0	Pyrene	58.6	43.7	83.4	J
110-86-1	Pyridine	413	52.1	413	U
120-82-1	1,2,4-Trichlorobenzene	413	49.4	413	U
90-12-0	1-Methylnaphthalene	83.4	51.7	83.4	U J
95-95-4	2,4,5-Trichlorophenol	413	52.3	413	U
88-06-2	2,4,6-Trichlorophenol	209	50.0	209	U
82-68-8	Pentachloronitrobenzene	413	55.7	413	U
95-94-3	1,2,4,5-Tetrachlorobenzene	413	57.1	413	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	C1990105.D		
Sampled:	04/04/16 20:45	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 13:23		
% Solids:	79.67	Preparation:	SW846 3545A	Initial/Final:	30.1036 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
141-79-7	3-Penten-2-one, 4-methyl-	2.808	430	JN
000301-02-0	9-Octadecenamide, (Z)-	16.19	1700	JN

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	C1990107.D		
Sampled:	04/04/16 19:10	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 13:52		
% Solids:	79.56	Preparation:	SW846 3545A	Initial/Final:	30.1826 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	83.3	55.2	83.3	U
208-96-8	Acenaphthylene	83.3	55.8	83.3	U
62-53-3	Aniline	412	57.0	412	U
120-12-7	Anthracene	83.3	54.2	83.3	U
103-33-3	Azobenzene/Diphenyldiazene	412	51.2	412	U
92-87-5	Benzidine	412	178	412	U
56-55-3	Benzo (a) anthracene	83.3	46.6	83.3	U
50-32-8	Benzo (a) pyrene	83.3	51.0	83.3	U
205-99-2	Benzo (b) fluoranthene	83.3	45.9	83.3	U
191-24-2	Benzo (g,h,i) perylene	83.3	50.1	83.3	U
207-08-9	Benzo (k) fluoranthene	83.3	58.0	83.3	U
65-85-0	Benzoic acid	412	99.1	412	U
100-51-6	Benzyl alcohol	412	42.2	412	U
111-91-1	Bis(2-chloroethoxy)methane	412	48.3	412	U
111-44-4	Bis(2-chloroethyl)ether	209	46.7	209	U
108-60-1	Bis(2-chloroisopropyl)ether	209	47.9	209	U
117-81-7	Bis(2-ethylhexyl)phthalate	209	49.1	209	U
101-55-3	4-Bromophenyl phenyl ether	412	48.1	412	U
85-68-7	Butyl benzyl phthalate	412	51.6	412	U
86-74-8	Carbazole	209	54.5	209	U
59-50-7	4-Chloro-3-methylphenol	412	61.6	412	U J
106-47-8	4-Chloroaniline	209	60.6	209	U
91-58-7	2-Chloronaphthalene	412	52.7	412	U
95-57-8	2-Chlorophenol	209	47.7	209	U
7005-72-3	4-Chlorophenyl phenyl ether	412	54.9	412	U
218-01-9	Chrysene	83.3	42.9	83.3	U
53-70-3	Dibenzo (a,h) anthracene	83.3	59.1	83.3	U
132-64-9	Dibenzofuran	209	53.8	209	U
95-50-1	1,2-Dichlorobenzene	412	51.8	412	U
541-73-1	1,3-Dichlorobenzene	412	46.1	412	U
106-46-7	1,4-Dichlorobenzene	412	48.9	412	U
91-94-1	3,3´-Dichlorobenzidine	412	60.3	412	U
120-83-2	2,4-Dichlorophenol	209	52.0	209	U
84-66-2	Diethyl phthalate	412	50.2	412	U
131-11-3	Dimethyl phthalate	412	48.7	412	U
105-67-9	2,4-Dimethylphenol	412	47.8	412	U
84-74-2	Di-n-butyl phthalate	412	51.2	412	U
534-52-1	4,6-Dinitro-2-methylphenol	412	62.3	412	U
51-28-5	2,4-Dinitrophenol	412	72.7	412	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	C1990107.D		
Sampled:	04/04/16 19:10	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 13:52		
% Solids:	79.56	Preparation:	SW846 3545A	Initial/Final:	30.1826 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	209	62.7	209	U J
606-20-2	2,6-Dinitrotoluene	209	50.7	209	U
117-84-0	Di-n-octyl phthalate	412	60.5	412	U
206-44-0	Fluoranthene	83.3	46.7	83.3	U
86-73-7	Fluorene	83.3	51.6	83.3	U
118-74-1	Hexachlorobenzene	209	48.7	209	U
87-68-3	Hexachlorobutadiene	209	51.5	209	U
77-47-4	Hexachlorocyclopentadiene	209	75.2	209	U J
67-72-1	Hexachloroethane	209	45.8	209	U
193-39-5	Indeno (1,2,3-cd) pyrene	83.3	55.4	83.3	U J
78-59-1	Isophorone	209	47.7	209	U
91-57-6	2-Methylnaphthalene	83.3	50.2	83.3	U
95-48-7	2-Methylphenol	412	48.4	412	U
108-39-4, 106-44	3 & 4-Methylphenol	412	48.8	412	U
91-20-3	Naphthalene	83.3	50.0	83.3	U
88-74-4	2-Nitroaniline	412	69.1	412	U J
99-09-2	3-Nitroaniline	412	74.2	412	U
100-01-6	4-Nitroaniline	209	82.1	209	U
98-95-3	Nitrobenzene	209	50.6	209	U
88-75-5	2-Nitrophenol	209	53.7	209	U
100-02-7	4-Nitrophenol	1650	52.4	1650	U
62-75-9	N-Nitrosodimethylamine	209	47.2	209	U
621-64-7	N-Nitrosodi-n-propylamine	209	48.9	209	U
86-30-6	N-Nitrosodiphenylamine	412	57.2	412	U
87-86-5	Pentachlorophenol	412	67.3	412	U
85-01-8	Phenanthrene	83.3	50.3	83.3	U
108-95-2	Phenol	412	49.5	412	U
129-00-0	Pyrene	83.3	43.7	83.3	U
110-86-1	Pyridine	412	52.0	412	U
120-82-1	1,2,4-Trichlorobenzene	412	49.3	412	U
90-12-0	1-Methylnaphthalene	83.3	51.7	83.3	U J
95-95-4	2,4,5-Trichlorophenol	412	52.2	412	U
88-06-2	2,4,6-Trichlorophenol	209	49.9	209	U
82-68-8	Pentachloronitrobenzene	412	55.6	412	U
95-94-3	1,2,4,5-Tetrachlorobenzene	412	57.0	412	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	C1990107.D		
Sampled:	04/04/16 19:10	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 13:52		
% Solids:	79.56	Preparation:	SW846 3545A	Initial/Final:	30.1826 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
141-79-7	3-Penten-2-one, 4-methyl-	2.803	540	JN
000301-02-0	9-Octadecenamide, (Z)-	16.191	1800	JN

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	C1990111.D
Sampled:	04/04/16 21:30	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 14:20
% Solids:	85.59	Preparation:	SW846 3545A	Initial/Final:	30.0488 g / 1 ml
Batch:	1606115	Sequence:	S603221	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	10		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	778	516	778	U
208-96-8	Acenaphthylene	778	521	778	U
62-53-3	Aniline	3850	532	3850	U
120-12-7	Anthracene	778	506	778	U
103-33-3	Azobenzene/Diphenyldiazene	3850	478	3850	U
92-87-5	Benzidine	3850	1660	3850	U
56-55-3	Benzo (a) anthracene	778	435	778	U
50-32-8	Benzo (a) pyrene	778	476	778	U
205-99-2	Benzo (b) fluoranthene	778	429	778	U
191-24-2	Benzo (g,h,i) perylene	778	467	778	U
207-08-9	Benzo (k) fluoranthene	778	541	778	U
65-85-0	Benzoic acid	3850	926	3850	U
100-51-6	Benzyl alcohol	3850	394	3850	U
111-91-1	Bis(2-chloroethoxy)methane	3850	451	3850	U
111-44-4	Bis(2-chloroethyl)ether	1950	436	1950	U
108-60-1	Bis(2-chloroisopropyl)ether	1950	447	1950	U
117-81-7	Bis(2-ethylhexyl)phthalate	1950	458	1950	U
101-55-3	4-Bromophenyl phenyl ether	3850	449	3850	U
85-68-7	Butyl benzyl phthalate	3850	482	3850	U
86-74-8	Carbazole	1950	509	1950	U
59-50-7	4-Chloro-3-methylphenol	3850	575	3850	U J
106-47-8	4-Chloroaniline	1950	565	1950	U
91-58-7	2-Chloronaphthalene	3850	492	3850	U
95-57-8	2-Chlorophenol	1950	446	1950	U
7005-72-3	4-Chlorophenyl phenyl ether	3850	513	3850	U
218-01-9	Chrysene	778	400	778	U
53-70-3	Dibenzo (a,h) anthracene	778	552	778	U
132-64-9	Dibenzofuran	1950	502	1950	U
95-50-1	1,2-Dichlorobenzene	3850	483	3850	U
541-73-1	1,3-Dichlorobenzene	3850	430	3850	U
106-46-7	1,4-Dichlorobenzene	3850	457	3850	U
91-94-1	3,3´-Dichlorobenzidine	3850	563	3850	U
120-83-2	2,4-Dichlorophenol	1950	485	1950	U
84-66-2	Diethyl phthalate	3850	469	3850	U
131-11-3	Dimethyl phthalate	3850	454	3850	U
105-67-9	2,4-Dimethylphenol	3850	447	3850	U
84-74-2	Di-n-butyl phthalate	3850	478	3850	U
534-52-1	4,6-Dinitro-2-methylphenol	3850	582	3850	U
51-28-5	2,4-Dinitrophenol	3850	679	3850	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	C1990111.D		
Sampled:	04/04/16 21:30	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 14:20		
% Solids:	85.59	Preparation:	SW846 3545A	Initial/Final:	30.0488 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	10				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	1950	585	1950	U
606-20-2	2,6-Dinitrotoluene	1950	473	1950	U
117-84-0	Di-n-octyl phthalate	3850	565	3850	U
206-44-0	Fluoranthene	778	436	778	U
86-73-7	Fluorene	778	482	778	U
118-74-1	Hexachlorobenzene	1950	455	1950	U
87-68-3	Hexachlorobutadiene	1950	481	1950	U
77-47-4	Hexachlorocyclopentadiene	1950	702	1950	U
67-72-1	Hexachloroethane	1950	428	1950	U
193-39-5	Indeno (1,2,3-cd) pyrene	778	518	778	U
78-59-1	Isophorone	1950	445	1950	U
91-57-6	2-Methylnaphthalene	778	469	778	U
95-48-7	2-Methylphenol	3850	452	3850	U
108-39-4, 106-44	3 & 4-Methylphenol	3850	455	3850	U
91-20-3	Naphthalene	778	467	778	U
88-74-4	2-Nitroaniline	3850	645	3850	U
99-09-2	3-Nitroaniline	3850	693	3850	U
100-01-6	4-Nitroaniline	1950	767	1950	U
98-95-3	Nitrobenzene	1950	472	1950	U
88-75-5	2-Nitrophenol	1950	501	1950	U
100-02-7	4-Nitrophenol	15400	489	15400	U
62-75-9	N-Nitrosodimethylamine	1950	441	1950	U
621-64-7	N-Nitrosodi-n-propylamine	1950	456	1950	U
86-30-6	N-Nitrosodiphenylamine	3850	534	3850	U
87-86-5	Pentachlorophenol	3850	629	3850	U
85-01-8	Phenanthrene	778	469	778	U
108-95-2	Phenol	3850	462	3850	U
129-00-0	Pyrene	778	408	778	U
110-86-1	Pyridine	3850	486	3850	U
120-82-1	1,2,4-Trichlorobenzene	3850	460	3850	U
90-12-0	1-Methylnaphthalene	778	482	778	U
95-95-4	2,4,5-Trichlorophenol	3850	487	3850	U
88-06-2	2,4,6-Trichlorophenol	1950	466	1950	U
82-68-8	Pentachloronitrobenzene	3850	519	3850	U
95-94-3	1,2,4,5-Tetrachlorobenzene	3850	532	3850	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	C1990111.D		
Sampled:	04/04/16 21:30	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 14:20		
% Solids:	85.59	Preparation:	SW846 3545A	Initial/Final:	30.0488 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	10				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
062238-11-3	Decane, 2,3,5-trimethyl-	6.288	7700	JN
544-76-3	Hexadecane	10.064	8700	JN
1000160-39-8	Tetradecane, 2,2-dimethyl- (02)	6.463	27000	JN
017312-80-0	Undecane, 2,4-dimethyl- (02)	6.328	16000	JN

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	C1990113.D
Sampled:	04/04/16 20:00	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 14:48
% Solids:	82.78	Preparation:	SW846 3545A	Initial/Final:	30.0591 g / 1 ml
Batch:	1606115	Sequence:	S603221	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	80.4	53.3	80.4	U
208-96-8	Acenaphthylene	80.4	53.9	80.4	U
62-53-3	Aniline	398	55.0	398	U
120-12-7	Anthracene	80.4	52.3	80.4	U
103-33-3	Azobenzene/Diphenyldiazene	398	49.4	398	U
92-87-5	Benzidine	398	171	398	U
56-55-3	Benzo (a) anthracene	80.4	45.0	80.4	U
50-32-8	Benzo (a) pyrene	80.4	49.2	80.4	U
205-99-2	Benzo (b) fluoranthene	80.4	44.3	80.4	U
191-24-2	Benzo (g,h,i) perylene	80.4	48.3	80.4	U
207-08-9	Benzo (k) fluoranthene	80.4	56.0	80.4	U
65-85-0	Benzoic acid	398	95.7	398	U
100-51-6	Benzyl alcohol	398	40.7	398	U
111-91-1	Bis(2-chloroethoxy)methane	398	46.6	398	U
111-44-4	Bis(2-chloroethyl)ether	201	45.0	201	U
108-60-1	Bis(2-chloroisopropyl)ether	201	46.2	201	U
117-81-7	Bis(2-ethylhexyl)phthalate	201	47.4	201	U
101-55-3	4-Bromophenyl phenyl ether	398	46.4	398	U
85-68-7	Butyl benzyl phthalate	398	49.8	398	U
86-74-8	Carbazole	201	52.6	201	U
59-50-7	4-Chloro-3-methylphenol	398	59.4	398	U J
106-47-8	4-Chloroaniline	201	58.4	201	U
91-58-7	2-Chloronaphthalene	398	50.9	398	U
95-57-8	2-Chlorophenol	201	46.1	201	U
7005-72-3	4-Chlorophenyl phenyl ether	398	53.0	398	U
218-01-9	Chrysene	80.4	41.4	80.4	U
53-70-3	Dibenzo (a,h) anthracene	80.4	57.0	80.4	U
132-64-9	Dibenzofuran	201	51.9	201	U
95-50-1	1,2-Dichlorobenzene	398	49.9	398	U
541-73-1	1,3-Dichlorobenzene	398	44.5	398	U
106-46-7	1,4-Dichlorobenzene	398	47.2	398	U
91-94-1	3,3´-Dichlorobenzidine	398	58.2	398	U
120-83-2	2,4-Dichlorophenol	201	50.2	201	U
84-66-2	Diethyl phthalate	398	48.5	398	U
131-11-3	Dimethyl phthalate	398	47.0	398	U
105-67-9	2,4-Dimethylphenol	398	46.2	398	U
84-74-2	Di-n-butyl phthalate	398	49.4	398	U
534-52-1	4,6-Dinitro-2-methylphenol	398	60.1	398	U
51-28-5	2,4-Dinitrophenol	398	70.2	398	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	C1990113.D
Sampled:	04/04/16 20:00	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 14:48
% Solids:	82.78	Preparation:	SW846 3545A	Initial/Final:	30.0591 g / 1 ml
Batch:	1606115	Sequence:	S603221	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	201	60.5	201	U J
606-20-2	2,6-Dinitrotoluene	201	48.9	201	U
117-84-0	Di-n-octyl phthalate	398	58.4	398	U
206-44-0	Fluoranthene	80.4	45.1	80.4	U
86-73-7	Fluorene	80.4	49.8	80.4	U
118-74-1	Hexachlorobenzene	201	47.0	201	U
87-68-3	Hexachlorobutadiene	201	49.7	201	U
77-47-4	Hexachlorocyclopentadiene	201	72.6	201	U J
67-72-1	Hexachloroethane	201	44.2	201	U
193-39-5	Indeno (1,2,3-cd) pyrene	80.4	53.5	80.4	U J
78-59-1	Isophorone	201	46.0	201	U
91-57-6	2-Methylnaphthalene	80.4	48.4	80.4	U
95-48-7	2-Methylphenol	398	46.7	398	U
108-39-4, 106-44	3 & 4-Methylphenol	398	47.1	398	U
91-20-3	Naphthalene	80.4	48.3	80.4	U
88-74-4	2-Nitroaniline	398	66.7	398	U J
99-09-2	3-Nitroaniline	398	71.6	398	U
100-01-6	4-Nitroaniline	201	79.3	201	U
98-95-3	Nitrobenzene	201	48.8	201	U
88-75-5	2-Nitrophenol	201	51.8	201	U
100-02-7	4-Nitrophenol	1590	50.6	1590	U
62-75-9	N-Nitrosodimethylamine	201	45.6	201	U
621-64-7	N-Nitrosodi-n-propylamine	201	47.2	201	U
86-30-6	N-Nitrosodiphenylamine	398	55.2	398	U
87-86-5	Pentachlorophenol	398	65.0	398	U
85-01-8	Phenanthrene	80.4	48.5	80.4	U
108-95-2	Phenol	398	47.8	398	U
129-00-0	Pyrene	80.4	42.1	80.4	U
110-86-1	Pyridine	398	50.2	398	U
120-82-1	1,2,4-Trichlorobenzene	398	47.6	398	U
90-12-0	1-Methylnaphthalene	80.4	49.9	80.4	U J
95-95-4	2,4,5-Trichlorophenol	398	50.4	398	U
88-06-2	2,4,6-Trichlorophenol	201	48.2	201	U
82-68-8	Pentachloronitrobenzene	398	53.7	398	U
95-94-3	1,2,4,5-Tetrachlorobenzene	398	55.0	398	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	C1990113.D		
Sampled:	04/04/16 20:00	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 14:48		
% Solids:	82.78	Preparation:	SW846 3545A	Initial/Final:	30.0591 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
141-79-7	3-Penten-2-one, 4-methyl-	2.808	410	JN
000301-02-0	9-Octadecenamide, (Z)-	16.185	1300	JN

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	C1990115.D
Sampled:	04/04/16 15:05	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 15:17
% Solids:	80.69	Preparation:	SW846 3545A	Initial/Final:	30.0367 g / 1 ml
Batch:	1606115	Sequence:	S603221	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	580	109	165	
208-96-8	Acenaphthylene	165	111	165	U
62-53-3	Aniline	817	113	817	U
120-12-7	Anthracene	1570	107	165	
103-33-3	Azobenzene/Diphenyldiazene	817	101	817	U
92-87-5	Benzidine	817	352	817	U
56-55-3	Benzo (a) anthracene	2590	92.4	165	
50-32-8	Benzo (a) pyrene	2540	101	165	
205-99-2	Benzo (b) fluoranthene	3080	91.0	165	
191-24-2	Benzo (g,h,i) perylene	1440	99.2	165	
207-08-9	Benzo (k) fluoranthene	1180	115	165	
65-85-0	Benzoic acid	817	196	817	U
100-51-6	Benzyl alcohol	817	83.7	817	U
111-91-1	Bis(2-chloroethoxy)methane	817	95.7	817	U
111-44-4	Bis(2-chloroethyl)ether	413	92.5	413	U
108-60-1	Bis(2-chloroisopropyl)ether	413	95.0	413	U
117-81-7	Bis(2-ethylhexyl)phthalate	413	97.2	413	U
101-55-3	4-Bromophenyl phenyl ether	817	95.2	817	U
85-68-7	Butyl benzyl phthalate	817	102	817	U
86-74-8	Carbazole	522	108	413	
59-50-7	4-Chloro-3-methylphenol	817	122	817	U
106-47-8	4-Chloroaniline	413	120	413	U J
91-58-7	2-Chloronaphthalene	817	104	817	U
95-57-8	2-Chlorophenol	413	94.6	413	U
7005-72-3	4-Chlorophenyl phenyl ether	817	109	817	U
218-01-9	Chrysene	2470	84.9	165	
53-70-3	Dibenzo (a,h) anthracene	425	117	165	
132-64-9	Dibenzofuran	386	107	413	J
95-50-1	1,2-Dichlorobenzene	817	103	817	U
541-73-1	1,3-Dichlorobenzene	817	91.3	817	U
106-46-7	1,4-Dichlorobenzene	817	97.0	817	U
91-94-1	3,3´-Dichlorobenzidine	817	119	817	U
120-83-2	2,4-Dichlorophenol	413	103	413	U
84-66-2	Diethyl phthalate	817	99.6	817	U
131-11-3	Dimethyl phthalate	817	96.4	817	U
105-67-9	2,4-Dimethylphenol	817	94.8	817	U
84-74-2	Di-n-butyl phthalate	817	101	817	U
534-52-1	4,6-Dinitro-2-methylphenol	817	123	817	U
51-28-5	2,4-Dinitrophenol	817	144	817	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	C1990115.D		
Sampled:	04/04/16 15:05	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 15:17		
% Solids:	80.69	Preparation:	SW846 3545A	Initial/Final:	30.0367 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	2				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	413	124	413	U J
606-20-2	2,6-Dinitrotoluene	413	100	413	U
117-84-0	Di-n-octyl phthalate	817	120	817	U
206-44-0	Fluoranthene	5650	92.6	165	
86-73-7	Fluorene	565	102	165	
118-74-1	Hexachlorobenzene	413	96.5	413	U
87-68-3	Hexachlorobutadiene	413	102	413	U
77-47-4	Hexachlorocyclopentadiene	413	149	413	U J
67-72-1	Hexachloroethane	413	90.9	413	U
193-39-5	Indeno (1,2,3-cd) pyrene	1770	110	165	J
78-59-1	Isophorone	413	94.5	413	U
91-57-6	2-Methylnaphthalene	152	99.4	165	J
95-48-7	2-Methylphenol	817	95.9	817	U
108-39-4, 106-44	3 & 4-Methylphenol	817	96.6	817	U
91-20-3	Naphthalene	223	99.1	165	
88-74-4	2-Nitroaniline	817	137	817	U J
99-09-2	3-Nitroaniline	817	147	817	U
100-01-6	4-Nitroaniline	413	163	413	U
98-95-3	Nitrobenzene	413	100	413	U
88-75-5	2-Nitrophenol	413	106	413	U
100-02-7	4-Nitrophenol	3270	104	3270	U
62-75-9	N-Nitrosodimethylamine	413	93.6	413	U
621-64-7	N-Nitrosodi-n-propylamine	413	96.9	413	U
86-30-6	N-Nitrosodiphenylamine	817	113	817	U
87-86-5	Pentachlorophenol	817	133	817	U
85-01-8	Phenanthrene	4630	99.6	165	
108-95-2	Phenol	817	98.1	817	U
129-00-0	Pyrene	4550	86.5	165	
110-86-1	Pyridine	817	103	817	U
120-82-1	1,2,4-Trichlorobenzene	817	97.7	817	U
90-12-0	1-Methylnaphthalene	176	102	165	J
95-95-4	2,4,5-Trichlorophenol	817	103	817	U
88-06-2	2,4,6-Trichlorophenol	413	99.0	413	U
82-68-8	Pentachloronitrobenzene	817	110	817	U
95-94-3	1,2,4,5-Tetrachlorobenzene	817	113	817	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	C1990115.D		
Sampled:	04/04/16 15:05	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 15:17		
% Solids:	80.69	Preparation:	SW846 3545A	Initial/Final:	30.0367 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	2				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	C1990118.D
Sampled:	04/04/16 16:15	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 15:45
% Solids:	83.74	Preparation:	SW846 3545A	Initial/Final:	30.4357 g / 1 ml
Batch:	1606115	Sequence:	S603221	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	78.5	52.0	78.5	U
208-96-8	Acenaphthylene	78.5	52.6	78.5	U
62-53-3	Aniline	388	53.7	388	U
120-12-7	Anthracene	78.5	51.1	78.5	U
103-33-3	Azobenzene/Diphenyldiazene	388	48.2	388	U
92-87-5	Benzidine	388	167	388	U
56-55-3	Benzo (a) anthracene	78.5	43.9	78.5	U
50-32-8	Benzo (a) pyrene	78.5	48.1	78.5	U
205-99-2	Benzo (b) fluoranthene	78.5	43.3	78.5	U
191-24-2	Benzo (g,h,i) perylene	78.5	47.2	78.5	U
207-08-9	Benzo (k) fluoranthene	78.5	54.6	78.5	U
65-85-0	Benzoic acid	388	93.4	388	U
100-51-6	Benzyl alcohol	388	39.8	388	U
111-91-1	Bis(2-chloroethoxy)methane	388	45.5	388	U
111-44-4	Bis(2-chloroethyl)ether	197	44.0	197	U
108-60-1	Bis(2-chloroisopropyl)ether	197	45.2	197	U
117-81-7	Bis(2-ethylhexyl)phthalate	197	46.2	197	U
101-55-3	4-Bromophenyl phenyl ether	388	45.3	388	U
85-68-7	Butyl benzyl phthalate	388	48.6	388	U
86-74-8	Carbazole	197	51.3	197	U
59-50-7	4-Chloro-3-methylphenol	388	58.0	388	U
106-47-8	4-Chloroaniline	197	57.1	197	U
91-58-7	2-Chloronaphthalene	388	49.7	388	U
95-57-8	2-Chlorophenol	197	45.0	197	U
7005-72-3	4-Chlorophenyl phenyl ether	388	51.7	388	U
218-01-9	Chrysene	78.5	40.4	78.5	U
53-70-3	Dibenzo (a,h) anthracene	78.5	55.7	78.5	U
132-64-9	Dibenzofuran	197	50.7	197	U
95-50-1	1,2-Dichlorobenzene	388	48.8	388	U
541-73-1	1,3-Dichlorobenzene	388	43.4	388	U
106-46-7	1,4-Dichlorobenzene	388	46.1	388	U
91-94-1	3,3´-Dichlorobenzidine	388	56.8	388	U
120-83-2	2,4-Dichlorophenol	197	49.0	197	U
84-66-2	Diethyl phthalate	388	47.3	388	U
131-11-3	Dimethyl phthalate	388	45.8	388	U
105-67-9	2,4-Dimethylphenol	388	45.1	388	U
84-74-2	Di-n-butyl phthalate	388	48.2	388	U
534-52-1	4,6-Dinitro-2-methylphenol	388	58.7	388	U
51-28-5	2,4-Dinitrophenol	388	68.5	388	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	C1990118.D
Sampled:	04/04/16 16:15	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 15:45
% Solids:	83.74	Preparation:	SW846 3545A	Initial/Final:	30.4357 g / 1 ml
Batch:	1606115	Sequence:	S603221	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	197	59.1	197	U
606-20-2	2,6-Dinitrotoluene	197	47.8	197	U
117-84-0	Di-n-octyl phthalate	388	57.0	388	U
206-44-0	Fluoranthene	78.5	44.0	78.5	U
86-73-7	Fluorene	78.5	48.6	78.5	U
118-74-1	Hexachlorobenzene	197	45.9	197	U
87-68-3	Hexachlorobutadiene	197	48.5	197	U
77-47-4	Hexachlorocyclopentadiene	197	70.9	197	U
67-72-1	Hexachloroethane	197	43.2	197	U
193-39-5	Indeno (1,2,3-cd) pyrene	78.5	52.2	78.5	U
78-59-1	Isophorone	197	44.9	197	U
91-57-6	2-Methylnaphthalene	78.5	47.3	78.5	U
95-48-7	2-Methylphenol	388	45.6	388	U
108-39-4, 106-44	3 & 4-Methylphenol	388	45.9	388	U
91-20-3	Naphthalene	78.5	47.1	78.5	U
88-74-4	2-Nitroaniline	388	65.1	388	U
99-09-2	3-Nitroaniline	388	69.9	388	U
100-01-6	4-Nitroaniline	197	77.4	197	U
98-95-3	Nitrobenzene	197	47.6	197	U
88-75-5	2-Nitrophenol	197	50.6	197	U
100-02-7	4-Nitrophenol	1550	49.4	1550	U
62-75-9	N-Nitrosodimethylamine	197	44.5	197	U
621-64-7	N-Nitrosodi-n-propylamine	197	46.1	197	U
86-30-6	N-Nitrosodiphenylamine	388	53.9	388	U
87-86-5	Pentachlorophenol	388	63.4	388	U
85-01-8	Phenanthrene	78.5	47.4	78.5	U
108-95-2	Phenol	388	46.6	388	U
129-00-0	Pyrene	78.5	41.1	78.5	U
110-86-1	Pyridine	388	49.0	388	U
120-82-1	1,2,4-Trichlorobenzene	388	46.4	388	U
90-12-0	1-Methylnaphthalene	78.5	48.7	78.5	U
95-95-4	2,4,5-Trichlorophenol	388	49.2	388	U
88-06-2	2,4,6-Trichlorophenol	197	47.1	197	U
82-68-8	Pentachloronitrobenzene	388	52.4	388	U
95-94-3	1,2,4,5-Tetrachlorobenzene	388	53.7	388	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	C1990118.D		
Sampled:	04/04/16 16:15	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 15:45		
% Solids:	83.74	Preparation:	SW846 3545A	Initial/Final:	30.4357 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
141-79-7	3-Penten-2-one, 4-methyl-	2.826	880	JN
000301-02-0	9-Octadecenamide, (Z)-	16.191	1000	JN

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	C1990122.D
Sampled:	04/04/16 17:20	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 16:14
% Solids:	83.99	Preparation:	SW846 3545A	Initial/Final:	30.103 g / 1 ml
Batch:	1606115	Sequence:	S603221	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	79.1	52.4	79.1	U
208-96-8	Acenaphthylene	79.1	53.0	79.1	U
62-53-3	Aniline	392	54.1	392	U
120-12-7	Anthracene	79.1	51.5	79.1	U
103-33-3	Azobenzene/Diphenyldiazene	392	48.6	392	U
92-87-5	Benzidine	392	169	392	U
56-55-3	Benzo (a) anthracene	79.1	44.3	79.1	U
50-32-8	Benzo (a) pyrene	79.1	48.5	79.1	U
205-99-2	Benzo (b) fluoranthene	79.1	43.6	79.1	U
191-24-2	Benzo (g,h,i) perylene	79.1	47.6	79.1	U
207-08-9	Benzo (k) fluoranthene	79.1	55.1	79.1	U
65-85-0	Benzoic acid	392	94.2	392	U
100-51-6	Benzyl alcohol	2410	40.1	392	
111-91-1	Bis(2-chloroethoxy)methane	392	45.9	392	U
111-44-4	Bis(2-chloroethyl)ether	198	44.3	198	U
108-60-1	Bis(2-chloroisopropyl)ether	198	45.5	198	U
117-81-7	Bis(2-ethylhexyl)phthalate	198	46.6	198	U
101-55-3	4-Bromophenyl phenyl ether	392	45.6	392	U
85-68-7	Butyl benzyl phthalate	392	49.0	392	U
86-74-8	Carbazole	198	51.7	198	U
59-50-7	4-Chloro-3-methylphenol	392	58.5	392	U J
106-47-8	4-Chloroaniline	198	57.5	198	U
91-58-7	2-Chloronaphthalene	392	50.1	392	U
95-57-8	2-Chlorophenol	198	45.3	198	U
7005-72-3	4-Chlorophenyl phenyl ether	392	52.2	392	U
218-01-9	Chrysene	79.1	40.7	79.1	U
53-70-3	Dibenzo (a,h) anthracene	79.1	56.1	79.1	U
132-64-9	Dibenzofuran	198	51.1	198	U
95-50-1	1,2-Dichlorobenzene	392	49.2	392	U
541-73-1	1,3-Dichlorobenzene	392	43.8	392	U
106-46-7	1,4-Dichlorobenzene	392	46.5	392	U
91-94-1	3,3´-Dichlorobenzidine	392	57.2	392	U
120-83-2	2,4-Dichlorophenol	198	49.4	198	U
84-66-2	Diethyl phthalate	392	47.7	392	U
131-11-3	Dimethyl phthalate	392	46.2	392	U
105-67-9	2,4-Dimethylphenol	392	45.4	392	U
84-74-2	Di-n-butyl phthalate	59.8	48.6	392	J
534-52-1	4,6-Dinitro-2-methylphenol	392	59.2	392	U
51-28-5	2,4-Dinitrophenol	392	69.1	392	U

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	C1990122.D		
Sampled:	04/04/16 17:20	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 16:14		
% Solids:	83.99	Preparation:	SW846 3545A	Initial/Final:	30.103 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	198	59.5	198	U J
606-20-2	2,6-Dinitrotoluene	198	48.2	198	U
117-84-0	Di-n-octyl phthalate	392	57.5	392	U
206-44-0	Fluoranthene	48.9	44.4	79.1	J
86-73-7	Fluorene	79.1	49.0	79.1	U
118-74-1	Hexachlorobenzene	198	46.2	198	U
87-68-3	Hexachlorobutadiene	198	48.9	198	U
77-47-4	Hexachlorocyclopentadiene	198	71.4	198	U J
67-72-1	Hexachloroethane	198	43.5	198	U
193-39-5	Indeno (1,2,3-cd) pyrene	79.1	52.6	79.1	U J
78-59-1	Isophorone	198	45.3	198	U
91-57-6	2-Methylnaphthalene	79.1	47.7	79.1	U
95-48-7	2-Methylphenol	392	46.0	392	U
108-39-4, 106-44	3 & 4-Methylphenol	392	46.3	392	U
91-20-3	Naphthalene	79.1	47.5	79.1	U
88-74-4	2-Nitroaniline	392	65.6	392	U J
99-09-2	3-Nitroaniline	392	70.5	392	U
100-01-6	4-Nitroaniline	198	78.0	198	U
98-95-3	Nitrobenzene	198	48.0	198	U
88-75-5	2-Nitrophenol	198	51.0	198	U
100-02-7	4-Nitrophenol	1570	49.8	1570	U
62-75-9	N-Nitrosodimethylamine	198	44.8	198	U
621-64-7	N-Nitrosodi-n-propylamine	198	46.4	198	U
86-30-6	N-Nitrosodiphenylamine	392	54.4	392	U
87-86-5	Pentachlorophenol	392	63.9	392	U
85-01-8	Phenanthrene	79.1	47.7	79.1	U
108-95-2	Phenol	392	47.0	392	U
129-00-0	Pyrene	79.1	41.5	79.1	U
110-86-1	Pyridine	392	49.4	392	U
120-82-1	1,2,4-Trichlorobenzene	392	46.8	392	U
90-12-0	1-Methylnaphthalene	79.1	49.1	79.1	U J
95-95-4	2,4,5-Trichlorophenol	392	49.6	392	U
88-06-2	2,4,6-Trichlorophenol	198	47.4	198	U
82-68-8	Pentachloronitrobenzene	392	52.8	392	U
95-94-3	1,2,4,5-Tetrachlorobenzene	392	54.1	392	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	C1990122.D		
Sampled:	04/04/16 17:20	Prepared:	04/13/16 06:58	Analyzed:	04/20/16 16:14		
% Solids:	83.99	Preparation:	SW846 3545A	Initial/Final:	30.103 g / 1 ml		
Batch:	1606115	Sequence:	S603221	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
1000351-87-0	Heptadecyl trifluoroacetate	17.204	550	JN

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	C1990123.D
Sampled:	04/05/16 20:00	Prepared:	04/08/16 18:40	Analyzed:	04/13/16 17:14
% Solids:		Preparation:	SW846 3510C	Initial/Final:	980 ml / 1 ml
Batch:	1605782	Sequence:	S603028	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
83-32-9	Acenaphthene	5.10	1.20	5.10	U
208-96-8	Acenaphthylene	5.10	1.11	5.10	U
62-53-3	Aniline	5.10	1.44	5.10	U
120-12-7	Anthracene	5.10	1.18	5.10	U
103-33-3	Azobenzene/Diphenyldiazene	5.10	1.05	5.10	U
92-87-5	Benzidine	5.10	2.92	5.10	U J
56-55-3	Benzo (a) anthracene	5.10	1.15	5.10	U
50-32-8	Benzo (a) pyrene	5.10	1.03	5.10	U
205-99-2	Benzo (b) fluoranthene	5.10	1.04	5.10	U
191-24-2	Benzo (g,h,i) perylene	5.10	1.36	5.10	U
207-08-9	Benzo (k) fluoranthene	5.10	1.38	5.10	U
65-85-0	Benzoic acid	5.10	2.03	5.10	U J
100-51-6	Benzyl alcohol	5.10	1.78	5.10	U
111-91-1	Bis(2-chloroethoxy)methane	5.10	1.01	5.10	U
111-44-4	Bis(2-chloroethyl)ether	5.10	1.14	5.10	U
108-60-1	Bis(2-chloroisopropyl)ether	5.10	1.22	5.10	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.10	1.43	5.10	U
101-55-3	4-Bromophenyl phenyl ether	5.10	1.20	5.10	U
85-68-7	Butyl benzyl phthalate	5.10	1.35	5.10	U J
86-74-8	Carbazole	5.10	1.27	5.10	U
59-50-7	4-Chloro-3-methylphenol	5.10	1.26	5.10	U J
106-47-8	4-Chloroaniline	5.10	1.34	5.10	U
91-58-7	2-Chloronaphthalene	5.10	1.21	5.10	U
95-57-8	2-Chlorophenol	5.10	1.29	5.10	U
7005-72-3	4-Chlorophenyl phenyl ether	5.10	1.17	5.10	U
218-01-9	Chrysene	5.10	1.06	5.10	U
53-70-3	Dibenzo (a,h) anthracene	5.10	1.21	5.10	U
132-64-9	Dibenzofuran	5.10	1.10	5.10	U
95-50-1	1,2-Dichlorobenzene	5.10	1.62	5.10	U
541-73-1	1,3-Dichlorobenzene	5.10	1.22	5.10	U
106-46-7	1,4-Dichlorobenzene	5.10	1.15	5.10	U
91-94-1	3,3´-Dichlorobenzidine	5.10	1.58	5.10	U
120-83-2	2,4-Dichlorophenol	5.10	1.23	5.10	U
84-66-2	Diethyl phthalate	5.10	1.55	5.10	U
131-11-3	Dimethyl phthalate	5.10	1.51	5.10	U
105-67-9	2,4-Dimethylphenol	5.10	1.44	5.10	U
84-74-2	Di-n-butyl phthalate	5.10	1.13	5.10	U
534-52-1	4,6-Dinitro-2-methylphenol	5.10	1.91	5.10	U
51-28-5	2,4-Dinitrophenol	5.10	2.19	5.10	U J

lw 6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	C1990123.D
Sampled:	04/05/16 20:00	Prepared:	04/08/16 18:40	Analyzed:	04/13/16 17:14
% Solids:		Preparation:	SW846 3510C	Initial/Final:	980 ml / 1 ml
Batch:	1605782	Sequence:	S603028	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	5.10	1.87	5.10	U
606-20-2	2,6-Dinitrotoluene	5.10	1.67	5.10	U J
117-84-0	Di-n-octyl phthalate	5.10	1.30	5.10	U
206-44-0	Fluoranthene	5.10	1.21	5.10	U
86-73-7	Fluorene	5.10	1.21	5.10	U
118-74-1	Hexachlorobenzene	5.10	1.07	5.10	U
87-68-3	Hexachlorobutadiene	5.10	1.20	5.10	U
77-47-4	Hexachlorocyclopentadiene	5.10	2.12	5.10	U J
67-72-1	Hexachloroethane	5.10	1.54	5.10	U
193-39-5	Indeno (1,2,3-cd) pyrene	5.10	1.32	5.10	U J
78-59-1	Isophorone	5.10	1.08	5.10	U
91-57-6	2-Methylnaphthalene	5.10	1.23	5.10	U
95-48-7	2-Methylphenol	5.10	1.48	5.10	U
108-39-4, 106-44	3 & 4-Methylphenol	10.2	1.48	10.2	U
91-20-3	Naphthalene	5.10	1.07	5.10	U
88-74-4	2-Nitroaniline	5.10	1.42	5.10	U J
99-09-2	3-Nitroaniline	5.10	1.57	5.10	U
100-01-6	4-Nitroaniline	5.10	2.18	5.10	U J
98-95-3	Nitrobenzene	5.10	1.04	5.10	U
88-75-5	2-Nitrophenol	5.10	1.48	5.10	U
100-02-7	4-Nitrophenol	20.4	2.98	20.4	U UJ
62-75-9	N-Nitrosodimethylamine	5.10	1.41	5.10	U
621-64-7	N-Nitrosodi-n-propylamine	5.10	1.34	5.10	U
86-30-6	N-Nitrosodiphenylamine	5.10	1.49	5.10	U
87-86-5	Pentachlorophenol	20.4	1.91	20.4	U
85-01-8	Phenanthrene	5.10	1.27	5.10	U
108-95-2	Phenol	5.10	1.00	5.10	U
129-00-0	Pyrene	5.10	1.46	5.10	U
110-86-1	Pyridine	5.10	1.57	5.10	U J
120-82-1	1,2,4-Trichlorobenzene	5.10	1.30	5.10	U
90-12-0	1-Methylnaphthalene	5.10	1.11	5.10	U
95-95-4	2,4,5-Trichlorophenol	5.10	1.21	5.10	U J
88-06-2	2,4,6-Trichlorophenol	5.10	1.10	5.10	U J
82-68-8	Pentachloronitrobenzene	5.10	1.31	5.10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.10	1.06	5.10	U

lw-6/10/14

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/07/16 10:48		
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	C1990123.D		
Sampled:	04/05/16 20:00	Prepared:	04/08/16 16:00	Analyzed:	04/13/16 17:14		
% Solids:		Preparation:	SW846 3510C	Initial/Final:	980 ml / 1 ml		
Batch:	1605782	Sequence:	S603028	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8082A

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	1990101P.D
Sampled:	04/04/16 18:30	Prepared:	04/11/16 07:05	Analyzed:	04/13/16 18:35
% Solids:	80.81	Preparation:	SW846 3545A	Initial/Final:	10.5563 g / 10 ml
Batch:	1605942	Sequence:	S603012	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	23.4	13.3	23.4	U
11104-28-2	Aroclor-1221	23.4	17.3	23.4	U
11141-16-5	Aroclor-1232	23.4	17.4	23.4	U
53469-21-9	Aroclor-1242	23.4	14.1	23.4	U
12672-29-6	Aroclor-1248	23.4	14.5	23.4	U
11097-69-1	Aroclor-1254	23.4	10.6	23.4	U
11096-82-5	Aroclor-1260	23.4	10.6	23.4	U
37324-23-5	Aroclor-1262	23.4	18.0	23.4	U
11100-14-4	Aroclor-1268	23.4	13.7	23.4	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8082A

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	1990103P.D
Sampled:	04/04/16 18:30	Prepared:	04/11/16 07:05	Analyzed:	04/13/16 18:50
% Solids:	79.82	Preparation:	SW846 3545A	Initial/Final:	10.3755 g / 10 ml
Batch:	1605942	Sequence:	S603012	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	24.1	13.7	24.1	U
11104-28-2	Aroclor-1221	24.1	17.8	24.1	U
11141-16-5	Aroclor-1232	24.1	17.9	24.1	U
53469-21-9	Aroclor-1242	24.1	14.5	24.1	U
12672-29-6	Aroclor-1248	24.1	14.9	24.1	U
11097-69-1	Aroclor-1254	24.1	10.9	24.1	U
11096-82-5	Aroclor-1260	24.1	10.9	24.1	U
37324-23-5	Aroclor-1262	24.1	18.5	24.1	U
11100-14-4	Aroclor-1268	24.1	14.1	24.1	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8082A

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	1990105P.D
Sampled:	04/04/16 20:45	Prepared:	04/11/16 07:05	Analyzed:	04/13/16 19:05
% Solids:	79.67	Preparation:	SW846 3545A	Initial/Final:	10.1223 g / 10 ml
Batch:	1605942	Sequence:	S603012	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	24.8	14.0	24.8	U
11104-28-2	Aroclor-1221	24.8	18.3	24.8	U
11141-16-5	Aroclor-1232	24.8	18.4	24.8	U
53469-21-9	Aroclor-1242	24.8	14.9	24.8	U
12672-29-6	Aroclor-1248	24.8	15.3	24.8	U
11097-69-1	Aroclor-1254	24.8	11.2	24.8	U
11096-82-5	Aroclor-1260	24.8	11.2	24.8	U
37324-23-5	Aroclor-1262	24.8	19.0	24.8	U
11100-14-4	Aroclor-1268	24.8	14.5	24.8	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8082A

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	1990107P.D
Sampled:	04/04/16 19:10	Prepared:	04/11/16 07:05	Analyzed:	04/13/16 19:21
% Solids:	79.56	Preparation:	SW846 3545A	Initial/Final:	10.5762 g / 10 ml
Batch:	1605942	Sequence:	S603012	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	23.8	13.4	23.8	U
11104-28-2	Aroclor-1221	23.8	17.5	23.8	U
11141-16-5	Aroclor-1232	23.8	17.6	23.8	U
53469-21-9	Aroclor-1242	23.8	14.3	23.8	U
12672-29-6	Aroclor-1248	23.8	14.7	23.8	U
11097-69-1	Aroclor-1254	23.8	10.8	23.8	U
11096-82-5	Aroclor-1260	23.8	10.7	23.8	U
37324-23-5	Aroclor-1262	23.8	18.3	23.8	U
11100-14-4	Aroclor-1268	23.8	13.9	23.8	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8082A

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	1990111R.D
Sampled:	04/04/16 21:30	Prepared:	04/11/16 07:05	Analyzed:	04/14/16 21:06
% Solids:	85.59	Preparation:	SW846 3545A	Initial/Final:	10.459 g / 10 ml
Batch:	1605942	Sequence:	S603089	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	22.3	12.6	22.3	U
11104-28-2	Aroclor-1221	22.3	16.4	22.3	U
11141-16-5	Aroclor-1232	22.3	16.6	22.3	U
53469-21-9	Aroclor-1242	22.3	13.4	22.3	U
12672-29-6	Aroclor-1248	22.3	13.8	22.3	U
11097-69-1	Aroclor-1254	22.3	10.1	22.3	U
11096-82-5	Aroclor-1260	22.3	10.1	22.3	U
37324-23-5	Aroclor-1262	22.3	17.2	22.3	U
11100-14-4	Aroclor-1268	22.3	13.0	22.3	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8082A

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	1990113P.D
Sampled:	04/04/16 20:00	Prepared:	04/11/16 07:05	Analyzed:	04/13/16 19:51
% Solids:	82.78	Preparation:	SW846 3545A	Initial/Final:	10.6099 g / 10 ml
Batch:	1605942	Sequence:	S603012	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	22.8	12.9	22.8	U
11104-28-2	Aroclor-1221	22.8	16.8	22.8	U
11141-16-5	Aroclor-1232	22.8	16.9	22.8	U
53469-21-9	Aroclor-1242	22.8	13.7	22.8	U
12672-29-6	Aroclor-1248	22.8	14.1	22.8	U
11097-69-1	Aroclor-1254	22.8	10.3	22.8	U
11096-82-5	Aroclor-1260	22.8	10.3	22.8	U
37324-23-5	Aroclor-1262	22.8	17.5	22.8	U
11100-14-4	Aroclor-1268	22.8	13.3	22.8	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8082A

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	1990115P.D
Sampled:	04/04/16 15:05	Prepared:	04/11/16 07:05	Analyzed:	04/13/16 20:06
% Solids:	80.69	Preparation:	SW846 3545A	Initial/Final:	10.6609 g / 10 ml
Batch:	1605942	Sequence:	S603012	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	23.3	13.1	23.3	U
11104-28-2	Aroclor-1221	23.3	17.1	23.3	U
11141-16-5	Aroclor-1232	23.3	17.3	23.3	U
53469-21-9	Aroclor-1242	23.3	14.0	23.3	U
12672-29-6	Aroclor-1248	23.3	14.4	23.3	U
11097-69-1	Aroclor-1254	23.3	10.5	23.3	U
11096-82-5	Aroclor-1260	23.3	10.5	23.3	U
37324-23-5	Aroclor-1262	23.3	17.9	23.3	U
11100-14-4	Aroclor-1268	23.3	13.6	23.3	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8082A

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	1990118P.D
Sampled:	04/04/16 16:15	Prepared:	04/11/16 07:05	Analyzed:	04/13/16 20:21
% Solids:	83.74	Preparation:	SW846 3545A	Initial/Final:	10.4804 g / 10 ml
Batch:	1605942	Sequence:	S603012	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	22.8	12.9	22.8	U
11104-28-2	Aroclor-1221	22.8	16.8	22.8	U
11141-16-5	Aroclor-1232	22.8	16.9	22.8	U
53469-21-9	Aroclor-1242	22.8	13.7	22.8	U
12672-29-6	Aroclor-1248	22.8	14.1	22.8	U
11097-69-1	Aroclor-1254	22.8	10.3	22.8	U
11096-82-5	Aroclor-1260	22.8	10.3	22.8	U
37324-23-5	Aroclor-1262	22.8	17.5	22.8	U
11100-14-4	Aroclor-1268	22.8	13.3	22.8	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8082A

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	1990122P.D
Sampled:	04/04/16 17:20	Prepared:	04/11/16 07:05	Analyzed:	04/13/16 20:36
% Solids:	83.99	Preparation:	SW846 3545A	Initial/Final:	10.3311 g / 10 ml
Batch:	1605942	Sequence:	S603012	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	23.0	13.0	23.0	U
11104-28-2	Aroclor-1221	23.0	17.0	23.0	U
11141-16-5	Aroclor-1232	23.0	17.1	23.0	U
53469-21-9	Aroclor-1242	23.0	13.8	23.0	U
12672-29-6	Aroclor-1248	23.0	14.2	23.0	U
11097-69-1	Aroclor-1254	23.0	10.4	23.0	U
11096-82-5	Aroclor-1260	23.0	10.4	23.0	U
37324-23-5	Aroclor-1262	23.0	17.7	23.0	U
11100-14-4	Aroclor-1268	23.0	13.4	23.0	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET

SW846 8082A

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	1990123.D
Sampled:	04/05/16 20:00	Prepared:	04/08/16 16:00	Analyzed:	04/11/16 16:20
% Solids:		Preparation:	SW846 3510C	Initial/Final:	910 ml / 10 ml
Batch:	1605783	Sequence:	S602906	Calibration:	1603051
Instrument:	HPS12				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
12674-11-2	Aroclor-1016	0.220	0.0790	0.220	U
11104-28-2	Aroclor-1221	0.220	0.107	0.220	U
11141-16-5	Aroclor-1232	0.220	0.148	0.220	U
53469-21-9	Aroclor-1242	0.220	0.121	0.220	U
12672-29-6	Aroclor-1248	0.220	0.0974	0.220	U
11097-69-1	Aroclor-1254	0.220	0.130	0.220	U
11096-82-5	Aroclor-1260	0.220	0.0768	0.220	U
37324-23-5	Aroclor-1262	0.220	0.110	0.220	U
11100-14-4	Aroclor-1268	0.220	0.0944	0.220	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	1990101P.D
Sampled:	04/04/16 18:30	Prepared:	04/12/16 06:57	Analyzed:	04/14/16 14:28
% Solids:	80.81	Preparation:	SW846 3545A	Initial/Final:	20.2317 g / 10 ml
Batch:	1605996	Sequence:	S603032	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.12	1.47	6.12	U
319-85-7	beta-BHC	6.12	1.73	6.12	U
319-86-8	delta-BHC	6.12	1.56	6.12	U
58-89-9	gamma-BHC (Lindane)	3.67	1.59	3.67	U
76-44-8	Heptachlor	6.12	1.61	6.12	U
309-00-2	Aldrin	6.12	1.66	6.12	U
1024-57-3	Heptachlor epoxide	6.12	1.69	6.12	U
959-98-8	Endosulfan I	6.12	1.77	6.12	U
60-57-1	Dieldrin	6.12	1.71	6.12	U
72-55-9	4,4'-DDE (p,p')	6.12	1.64	6.12	U
72-20-8	Endrin	9.79	1.89	9.79	U
33213-65-9	Endosulfan II	9.79	1.81	9.79	U
72-54-8	4,4'-DDD (p,p')	9.79	1.75	9.79	U
1031-07-8	Endosulfan sulfate	9.79	1.93	9.79	U
50-29-3	4,4'-DDT (p,p')	9.79	1.80	9.79	U
72-43-5	Methoxychlor	9.79	1.88	9.79	U
53494-70-5	Endrin ketone	9.79	1.86	9.79	U
7421-93-4	Endrin aldehyde	9.79	1.70	9.79	U
5103-71-9	alpha-Chlordane	6.12	1.77	6.12	U
5566-34-7	gamma-Chlordane	6.12	1.61	6.12	U
8001-35-2	Toxaphene	122	53.2	122	U
57-74-9	Chlordane	24.5	22.8	24.5	U
15972-60-8	Alachlor	6.12	1.63	6.12	U

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FORM I - ANALYSIS DATA SHEET

SW846 8081B

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	1990103P.D
Sampled:	04/04/16 18:30	Prepared:	04/12/16 06:57	Analyzed:	04/14/16 14:46
% Solids:	79.82	Preparation:	SW846 3545A	Initial/Final:	20.2086 g / 10 ml
Batch:	1605996	Sequence:	S603032	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.20	1.49	6.20	U
319-85-7	beta-BHC	6.20	1.76	6.20	U
319-86-8	delta-BHC	6.20	1.58	6.20	U
58-89-9	gamma-BHC (Lindane)	3.72	1.61	3.72	U
76-44-8	Heptachlor	6.20	1.63	6.20	U
309-00-2	Aldrin	6.20	1.68	6.20	U
1024-57-3	Heptachlor epoxide	6.20	1.71	6.20	U
959-98-8	Endosulfan I	6.20	1.79	6.20	U
60-57-1	Dieldrin	6.20	1.73	6.20	U
72-55-9	4,4'-DDE (p,p')	6.20	1.66	6.20	U
72-20-8	Endrin	9.92	1.92	9.92	U
33213-65-9	Endosulfan II	9.92	1.84	9.92	U
72-54-8	4,4'-DDD (p,p')	9.92	1.78	9.92	U
1031-07-8	Endosulfan sulfate	9.92	1.96	9.92	U
50-29-3	4,4'-DDT (p,p')	9.92	1.82	9.92	U
72-43-5	Methoxychlor	9.92	1.91	9.92	U
53494-70-5	Endrin ketone	9.92	1.89	9.92	U
7421-93-4	Endrin aldehyde	9.92	1.72	9.92	U
5103-71-9	alpha-Chlordane	6.20	1.79	6.20	U
5566-34-7	gamma-Chlordane	6.20	1.63	6.20	U
8001-35-2	Toxaphene	124	53.9	124	U
57-74-9	Chlordane	24.8	23.1	24.8	U
15972-60-8	Alachlor	6.20	1.66	6.20	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8081B

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	1990105P.D
Sampled:	04/04/16 20:45	Prepared:	04/12/16 06:57	Analyzed:	04/14/16 15:03
% Solids:	79.67	Preparation:	SW846 3545A	Initial/Final:	20.2768 g / 10 ml
Batch:	1605996	Sequence:	S603032	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.19	1.49	6.19	U
319-85-7	beta-BHC	6.19	1.76	6.19	U
319-86-8	delta-BHC	6.19	1.58	6.19	U
58-89-9	gamma-BHC (Lindane)	3.71	1.61	3.71	U
76-44-8	Heptachlor	6.19	1.62	6.19	U
309-00-2	Aldrin	6.19	1.68	6.19	U
1024-57-3	Heptachlor epoxide	6.19	1.71	6.19	U
959-98-8	Endosulfan I	6.19	1.79	6.19	U
60-57-1	Dieldrin	6.19	1.73	6.19	U
72-55-9	4,4'-DDE (p,p')	6.19	1.66	6.19	U
72-20-8	Endrin	9.90	1.91	9.90	U
33213-65-9	Endosulfan II	9.90	1.83	9.90	U
72-54-8	4,4'-DDD (p,p')	9.90	1.77	9.90	U
1031-07-8	Endosulfan sulfate	9.90	1.95	9.90	U
50-29-3	4,4'-DDT (p,p')	9.90	1.82	9.90	U
72-43-5	Methoxychlor	9.90	1.91	9.90	U
53494-70-5	Endrin ketone	9.90	1.89	9.90	U
7421-93-4	Endrin aldehyde	9.90	1.72	9.90	U
5103-71-9	alpha-Chlordane	6.19	1.79	6.19	U
5566-34-7	gamma-Chlordane	6.19	1.63	6.19	U
8001-35-2	Toxaphene	124	53.9	124	U
57-74-9	Chlordane	24.8	23.0	24.8	U
15972-60-8	Alachlor	6.19	1.65	6.19	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET

SW846 8081B

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	1990107P.D
Sampled:	04/04/16 19:10	Prepared:	04/12/16 06:57	Analyzed:	04/14/16 15:21
% Solids:	79.56	Preparation:	SW846 3545A	Initial/Final:	20.298 g / 10 ml
Batch:	1605996	Sequence:	S603032	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.19	1.49	6.19	U
319-85-7	beta-BHC	6.19	1.76	6.19	U
319-86-8	delta-BHC	6.19	1.58	6.19	U
58-89-9	gamma-BHC (Lindane)	3.72	1.61	3.72	U
76-44-8	Heptachlor	6.19	1.62	6.19	U
309-00-2	Aldrin	6.19	1.68	6.19	U
1024-57-3	Heptachlor epoxide	6.19	1.71	6.19	U
959-98-8	Endosulfan I	6.19	1.79	6.19	U
60-57-1	Dieldrin	6.19	1.73	6.19	U
72-55-9	4,4'-DDE (p,p')	6.19	1.66	6.19	U
72-20-8	Endrin	9.91	1.91	9.91	U
33213-65-9	Endosulfan II	9.91	1.84	9.91	U
72-54-8	4,4'-DDD (p,p')	9.91	1.77	9.91	U
1031-07-8	Endosulfan sulfate	9.91	1.95	9.91	U
50-29-3	4,4'-DDT (p,p')	9.91	1.82	9.91	U
72-43-5	Methoxychlor	9.91	1.91	9.91	U
53494-70-5	Endrin ketone	9.91	1.89	9.91	U
7421-93-4	Endrin aldehyde	9.91	1.72	9.91	U
5103-71-9	alpha-Chlordane	6.19	1.79	6.19	U
5566-34-7	gamma-Chlordane	6.19	1.63	6.19	U
8001-35-2	Toxaphene	124	53.9	124	U
57-74-9	Chlordane	24.8	23.0	24.8	U
15972-60-8	Alachlor	6.19	1.65	6.19	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET
SW846 8081B

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	1990111P.D
Sampled:	04/04/16 21:30	Prepared:	04/12/16 06:57	Analyzed:	04/14/16 15:38
% Solids:	85.59	Preparation:	SW846 3545A	Initial/Final:	20.2403 g / 10 ml
Batch:	1605996	Sequence:	S603032	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	28.9	6.95	28.9	U
319-85-7	beta-BHC	28.9	8.18	28.9	U
319-86-8	delta-BHC	28.9	7.35	28.9	U
58-89-9	gamma-BHC (Lindane)	17.3	7.49	17.3	U
76-44-8	Heptachlor	28.9	7.57	28.9	U
309-00-2	Aldrin	28.9	7.84	28.9	U
1024-57-3	Heptachlor epoxide	28.9	7.98	28.9	U
959-98-8	Endosulfan I	28.9	8.35	28.9	U
60-57-1	Dieldrin	28.9	8.08	28.9	U
72-55-9	4,4'-DDE (p,p')	28.9	7.72	28.9	U
72-20-8	Endrin	46.2	8.92	46.2	U
33213-65-9	Endosulfan II	46.2	8.55	46.2	U
72-54-8	4,4'-DDD (p,p')	46.2	8.27	46.2	U
1031-07-8	Endosulfan sulfate	46.2	9.10	46.2	U
50-29-3	4,4'-DDT (p,p')	46.2	8.47	46.2	U
72-43-5	Methoxychlor	46.2	8.88	46.2	U
53494-70-5	Endrin ketone	46.2	8.80	46.2	U
7421-93-4	Endrin aldehyde	46.2	8.03	46.2	U
5103-71-9	alpha-Chlordane	28.9	8.35	28.9	U
5566-34-7	gamma-Chlordane	28.9	7.58	28.9	U
8001-35-2	Toxaphene	577	251	577	U
57-74-9	Chlordane	115	107	115	U
15972-60-8	Alachlor	28.9	7.71	28.9	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET

SW846 8081B

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	1990113P.D
Sampled:	04/04/16 20:00	Prepared:	04/12/16 06:57	Analyzed:	04/14/16 15:55
% Solids:	82.78	Preparation:	SW846 3545A	Initial/Final:	20.1093 g / 10 ml
Batch:	1605996	Sequence:	S603032	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.01	1.45	6.01	U
319-85-7	beta-BHC	6.01	1.70	6.01	U
319-86-8	delta-BHC	6.01	1.53	6.01	U
58-89-9	gamma-BHC (Lindane)	3.60	1.56	3.60	U
76-44-8	Heptachlor	6.01	1.58	6.01	U
309-00-2	Aldrin	6.01	1.63	6.01	U
1024-57-3	Heptachlor epoxide	6.01	1.66	6.01	U
959-98-8	Endosulfan I	6.01	1.74	6.01	U
60-57-1	Dieldrin	6.01	1.68	6.01	U
72-55-9	4,4'-DDE (p,p')	6.01	1.61	6.01	U
72-20-8	Endrin	9.61	1.86	9.61	U
33213-65-9	Endosulfan II	9.61	1.78	9.61	U
72-54-8	4,4'-DDD (p,p')	9.61	1.72	9.61	U
1031-07-8	Endosulfan sulfate	9.61	1.89	9.61	U
50-29-3	4,4'-DDT (p,p')	9.61	1.76	9.61	U
72-43-5	Methoxychlor	9.61	1.85	9.61	U
53494-70-5	Endrin ketone	9.61	1.83	9.61	U
7421-93-4	Endrin aldehyde	9.61	1.67	9.61	U
5103-71-9	alpha-Chlordane	6.01	1.74	6.01	U
5566-34-7	gamma-Chlordane	6.01	1.58	6.01	U
8001-35-2	Toxaphene	120	52.3	120	U
57-74-9	Chlordane	24.0	22.3	24.0	U
15972-60-8	Alachlor	6.01	1.61	6.01	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET

SW846 8081B

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	1990115P.D
Sampled:	04/04/16 15:05	Prepared:	04/12/16 06:57	Analyzed:	04/14/16 16:13
% Solids:	80.69	Preparation:	SW846 3545A	Initial/Final:	20.0054 g / 10 ml
Batch:	1605996	Sequence:	S603032	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.20	1.49	6.20	U
319-85-7	beta-BHC	6.20	1.76	6.20	U
319-86-8	delta-BHC	6.20	1.58	6.20	U
58-89-9	gamma-BHC (Lindane)	3.72	1.61	3.72	U
76-44-8	Heptachlor	6.20	1.63	6.20	U
309-00-2	Aldrin	6.20	1.68	6.20	U
1024-57-3	Heptachlor epoxide	6.20	1.71	6.20	U
959-98-8	Endosulfan I	6.20	1.79	6.20	U
60-57-1	Dieldrin	6.20	1.73	6.20	U
72-55-9	4,4'-DDE (p,p')	6.20	1.66	6.20	U
72-20-8	Endrin	9.91	1.91	9.91	U
33213-65-9	Endosulfan II	9.91	1.84	9.91	U
72-54-8	4,4'-DDD (p,p')	9.91	1.78	9.91	U
1031-07-8	Endosulfan sulfate	9.91	1.95	9.91	U
50-29-3	4,4'-DDT (p,p')	9.91	1.82	9.91	U
72-43-5	Methoxychlor	9.91	1.91	9.91	U
53494-70-5	Endrin ketone	9.91	1.89	9.91	U
7421-93-4	Endrin aldehyde	9.91	1.72	9.91	U
5103-71-9	alpha-Chlordane	6.20	1.79	6.20	U
5566-34-7	gamma-Chlordane	6.20	1.63	6.20	U
8001-35-2	Toxaphene	124	53.9	124	U
57-74-9	Chlordane	24.8	23.0	24.8	U
15972-60-8	Alachlor	6.20	1.66	6.20	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET

SW846 8081B

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	1990118P.D
Sampled:	04/04/16 16:15	Prepared:	04/12/16 06:57	Analyzed:	04/14/16 16:30
% Solids:	83.74	Preparation:	SW846 3545A	Initial/Final:	20.1814 g / 10 ml
Batch:	1605996	Sequence:	S603032	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.92	1.42	5.92	U
319-85-7	beta-BHC	5.92	1.68	5.92	U
319-86-8	delta-BHC	5.92	1.51	5.92	U
58-89-9	gamma-BHC (Lindane)	3.55	1.53	3.55	U
76-44-8	Heptachlor	5.92	1.55	5.92	U
309-00-2	Aldrin	5.92	1.61	5.92	U
1024-57-3	Heptachlor epoxide	5.92	1.64	5.92	U
959-98-8	Endosulfan I	5.92	1.71	5.92	U
60-57-1	Dieldrin	5.92	1.66	5.92	U
72-55-9	4,4'-DDE (p,p')	5.92	1.58	5.92	U
72-20-8	Endrin	9.47	1.83	9.47	U
33213-65-9	Endosulfan II	9.47	1.75	9.47	U
72-54-8	4,4'-DDD (p,p')	9.47	1.70	9.47	U
1031-07-8	Endosulfan sulfate	9.47	1.87	9.47	U
50-29-3	4,4'-DDT (p,p')	9.47	1.74	9.47	U
72-43-5	Methoxychlor	9.47	1.82	9.47	U
53494-70-5	Endrin ketone	9.47	1.80	9.47	U
7421-93-4	Endrin aldehyde	9.47	1.65	9.47	U
5103-71-9	alpha-Chlordane	5.92	1.71	5.92	U
5566-34-7	gamma-Chlordane	5.92	1.56	5.92	U
8001-35-2	Toxaphene	118	51.5	118	U
57-74-9	Chlordane	23.7	22.0	23.7	U
15972-60-8	Alachlor	5.92	1.58	5.92	U

lw-6/10/14

FORM I - ANALYSIS DATA SHEET

SW846 8081B

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	1990122P.D
Sampled:	04/04/16 17:20	Prepared:	04/12/16 06:57	Analyzed:	04/14/16 16:47
% Solids:	83.99	Preparation:	SW846 3545A	Initial/Final:	20.0304 g / 10 ml
Batch:	1605996	Sequence:	S603032	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.94	1.43	5.94	U
319-85-7	beta-BHC	5.94	1.69	5.94	U
319-86-8	delta-BHC	5.94	1.51	5.94	U
58-89-9	gamma-BHC (Lindane)	3.57	1.54	3.57	U
76-44-8	Heptachlor	5.94	1.56	5.94	U
309-00-2	Aldrin	5.94	1.61	5.94	U
1024-57-3	Heptachlor epoxide	5.94	1.64	5.94	U
959-98-8	Endosulfan I	5.94	1.72	5.94	U
60-57-1	Dieldrin	5.94	1.66	5.94	U
72-55-9	4,4'-DDE (p,p')	5.94	1.59	5.94	U
72-20-8	Endrin	9.51	1.84	9.51	U
33213-65-9	Endosulfan II	9.51	1.76	9.51	U
72-54-8	4,4'-DDD (p,p')	9.51	1.70	9.51	U
1031-07-8	Endosulfan sulfate	9.51	1.87	9.51	U
50-29-3	4,4'-DDT (p,p')	9.51	1.75	9.51	U
72-43-5	Methoxychlor	9.51	1.83	9.51	U
53494-70-5	Endrin ketone	9.51	1.81	9.51	U
7421-93-4	Endrin aldehyde	9.51	1.65	9.51	U
5103-71-9	alpha-Chlordane	5.94	1.72	5.94	U
5566-34-7	gamma-Chlordane	5.94	1.56	5.94	U
8001-35-2	Toxaphene	119	51.7	119	U
57-74-9	Chlordane	23.8	22.1	23.8	U
15972-60-8	Alachlor	5.94	1.59	5.94	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	1990123P.D
Sampled:	04/05/16 20:00	Prepared:	04/08/16 16:00	Analyzed:	04/11/16 16:54
% Solids:		Preparation:	SW846 3510C	Initial/Final:	910 ml / 10 ml
Batch:	1605784	Sequence:	S602904	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
319-84-6	alpha-BHC	0.022	0.020	0.022	U
319-85-7	beta-BHC	0.022	0.018	0.022	U
319-86-8	delta-BHC	0.022	0.020	0.022	U
58-89-9	gamma-BHC (Lindane)	0.022	0.021	0.022	U
76-44-8	Heptachlor	0.022	0.021	0.022	U
309-00-2	Aldrin	0.022	0.019	0.022	U
1024-57-3	Heptachlor epoxide	0.022	0.017	0.022	U
959-98-8	Endosulfan I	0.022	0.019	0.022	U
60-57-1	Dieldrin	0.022	0.014	0.022	U
72-55-9	4,4'-DDE (p,p')	0.022	0.017	0.022	U
72-20-8	Endrin	0.044	0.025	0.044	U
33213-65-9	Endosulfan II	0.044	0.017	0.044	U
72-54-8	4,4'-DDD (p,p')	0.044	0.017	0.044	U
1031-07-8	Endosulfan sulfate	0.044	0.016	0.044	U
50-29-3	4,4'-DDT (p,p')	0.044	0.023	0.044	U
72-43-5	Methoxychlor	0.044	0.023	0.044	U
53494-70-5	Endrin ketone	0.044	0.021	0.044	U
7421-93-4	Endrin aldehyde	0.044	0.014	0.044	U
5103-71-9	alpha-Chlordane	0.022	0.015	0.022	U
5566-34-7	gamma-Chlordane	0.022	0.020	0.022	U
8001-35-2	Toxaphene	0.549	0.338	0.549	U
57-74-9	Chlordane	0.071	0.071	0.071	U
15972-60-8	Alachlor	0.022	0.018	0.022	U

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	20160418-052
Sampled:	04/04/16 18:30	Prepared:	04/15/16 12:15		
% Solids:	80.81	Preparation:	SW846 3050B	Initial/Final:	1.0445 g / 50 ml
Batch:	1606202	Sequence:	S603439	Calibration:	1604038
Instrument:	ICAP4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	5.97	1	0.547	1.78	J
7439-95-4	Magnesium	12100	20	45.7	118	
7439-96-5	Manganese	200	1	0.776	1.18	J
7440-02-0	Nickel	14.4	1	0.218	1.18	J
7440-09-7	Potassium	1200	1	7.76	59.2	J
7782-49-2	Selenium	1.78	1	0.473	1.78	U
7440-23-5	Sodium	110	1	9.44	29.6	
7440-66-6	Zinc	35.7	1	1.09	1.18	
7429-90-5	Aluminum	7020	1	1.59	5.92	J
7440-36-0	Antimony	5.92	1	0.480	5.92	UJ
7440-38-2	Arsenic	5.05	1	0.468	1.78	
7440-39-3	Barium	36.5	1	0.154	1.18	J
7440-41-7	Beryllium	0.371	1	0.0306	0.592	J
7440-43-9	Cadmium	0.592	1	0.0299	0.592	UJ
7440-70-2	Calcium	20800	1	12.3	29.6	J
7440-47-3	Chromium	11.7	1	0.153	1.18	J
7440-48-4	Cobalt	6.13	1	0.0703	1.18	J
7440-50-8	Copper	15.9	1	0.219	1.18	J
7439-89-6	Iron	15100	1	1.71	4.74	J
7440-22-4	Silver	1.78	1	0.186	1.78	UJ
7440-28-0	Thallium	3.55	1	0.801	3.55	U
7440-62-2	Vanadium	16.0	1	0.251	1.78	J

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	20160418-054
Sampled:	04/04/16 18:30	Prepared:	04/15/16 12:15		
% Solids:	79.82	Preparation:	SW846 3050B	Initial/Final:	1.0326 g / 50 ml
Batch:	1606202	Sequence:	S603439	Calibration:	1604038
Instrument:	ICAP4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	6.56	1	0.561	1.82	J
7439-95-4	Magnesium	12700	20	46.8	121	
7439-96-5	Manganese	209	1	0.795	1.21	J
7440-02-0	Nickel	13.9	1	0.223	1.21	J
7440-09-7	Potassium	1140	1	7.95	60.7	J
7782-49-2	Selenium	1.82	1	0.484	1.82	U
7440-23-5	Sodium	113	1	9.67	30.3	
7440-66-6	Zinc	36.0	1	1.11	1.21	
7429-90-5	Aluminum	6540	1	1.62	6.07	J
7440-36-0	Antimony	6.07	1	0.491	6.07	U J
7440-38-2	Arsenic	4.96	1	0.479	1.82	
7440-39-3	Barium	32.6	1	0.158	1.21	J
7440-41-7	Beryllium	0.353	1	0.0313	0.607	J
7440-43-9	Cadmium	0.607	1	0.0306	0.607	U J
7440-70-2	Calcium	24500	1	12.5	30.3	J
7440-47-3	Chromium	10.9	1	0.157	1.21	J
7440-48-4	Cobalt	5.70	1	0.0719	1.21	J
7440-50-8	Copper	17.0	1	0.224	1.21	J
7439-89-6	Iron	14100	1	1.75	4.85	J
7440-22-4	Silver	1.82	1	0.190	1.82	U J
7440-28-0	Thallium	3.64	1	0.820	3.64	U
7440-62-2	Vanadium	15.0	1	0.257	1.82	J

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	20160418-058
Sampled:	04/04/16 20:45	Prepared:	04/15/16 12:15		
% Solids:	79.67	Preparation:	SW846 3050B	Initial/Final:	1.0432 g / 50 ml
Batch:	1606202	Sequence:	S603439	Calibration:	1604038
Instrument:	ICAP4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	5.41	1	0.556	1.80	
7439-95-4	Magnesium	12600	20	46.4	120	
7439-96-5	Manganese	404	1	0.788	1.20	
7440-02-0	Nickel	13.0	1	0.221	1.20	
7440-09-7	Potassium	955	1	7.88	60.2	
7782-49-2	Selenium	1.80	1	0.480	1.80	U
7440-23-5	Sodium	105	1	9.59	30.1	
7440-66-6	Zinc	33.2	1	1.10	1.20	
7429-90-5	Aluminum	6090	1	1.61	6.02	
7440-36-0	Antimony	6.02	1	0.487	6.02	U
7440-38-2	Arsenic	5.82	1	0.475	1.80	
7440-39-3	Barium	54.3	1	0.156	1.20	
7440-41-7	Beryllium	0.308	1	0.0310	0.602	J
7440-43-9	Cadmium	0.602	1	0.0303	0.602	U
7440-70-2	Calcium	24700	1	12.4	30.1	
7440-47-3	Chromium	9.87	1	0.155	1.20	
7440-48-4	Cobalt	6.32	1	0.0713	1.20	
7440-50-8	Copper	12.4	1	0.223	1.20	
7439-89-6	Iron	12600	1	1.74	4.81	
7440-22-4	Silver	1.80	1	0.189	1.80	U
7440-28-0	Thallium	3.61	1	0.813	3.61	U
7440-62-2	Vanadium	13.4	1	0.255	1.80	

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	20160418-060
Sampled:	04/04/16 19:10	Prepared:	04/15/16 12:15		
% Solids:	79.56	Preparation:	SW846 3050B	Initial/Final:	1.0042 g / 50 ml
Batch:	1606202	Sequence:	S603439	Calibration:	1604038
Instrument:	ICAP4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	6.28	1	0.578	1.88	J
7439-95-4	Magnesium	3060	1	2.41	6.26	
7439-96-5	Manganese	187	1	0.820	1.25	J
7440-02-0	Nickel	13.7	1	0.230	1.25	J
7440-09-7	Potassium	1100	1	8.20	62.6	J
7782-49-2	Selenium	1.88	1	0.499	1.88	U
7440-23-5	Sodium	90.2	1	9.97	31.3	
7440-66-6	Zinc	35.3	1	1.15	1.25	
7429-90-5	Aluminum	7010	1	1.68	6.26	J
7440-36-0	Antimony	6.26	1	0.507	6.26	UJ
7440-38-2	Arsenic	3.74	1	0.494	1.88	
7440-39-3	Barium	41.3	1	0.163	1.25	J
7440-41-7	Beryllium	0.350	1	0.0323	0.626	J
7440-43-9	Cadmium	0.626	1	0.0315	0.626	UJ
7440-70-2	Calcium	3980	1	12.9	31.3	J
7440-47-3	Chromium	11.0	1	0.161	1.25	J
7440-48-4	Cobalt	6.05	1	0.0742	1.25	J
7440-50-8	Copper	15.8	1	0.232	1.25	J
7439-89-6	Iron	14700	1	1.81	5.01	J
7440-22-4	Silver	1.88	1	0.197	1.88	UJ
7440-28-0	Thallium	3.75	1	0.846	3.75	U
7440-62-2	Vanadium	15.4	1	0.265	1.88	J

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	20160418-062
Sampled:	04/04/16 21:30	Prepared:	04/15/16 12:15		
% Solids:	85.59	Preparation:	SW846 3050B	Initial/Final:	1.0533 g / 50 ml
Batch:	1606202	Sequence:	S603439	Calibration:	1604038
Instrument:	ICAP4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	6.87	1	0.512	1.66	J
7439-95-4	Magnesium	14400	20	42.8	111	
7439-96-5	Manganese	305	1	0.727	1.11	J
7440-02-0	Nickel	11.6	1	0.204	1.11	J
7440-09-7	Potassium	1760	1	7.27	55.5	J
7782-49-2	Selenium	1.66	1	0.443	1.66	U
7440-23-5	Sodium	192	1	8.84	27.7	
7440-66-6	Zinc	32.7	1	1.02	1.11	
7429-90-5	Aluminum	7350	1	1.49	5.55	J
7440-36-0	Antimony	5.55	1	0.449	5.55	U J
7440-38-2	Arsenic	3.29	1	0.438	1.66	
7440-39-3	Barium	51.1	1	0.144	1.11	J
7440-41-7	Beryllium	0.351	1	0.0286	0.555	J
7440-43-9	Cadmium	0.555	1	0.0280	0.555	U J
7440-70-2	Calcium	57900	20	229	555	J
7440-47-3	Chromium	12.2	1	0.143	1.11	J
7440-48-4	Cobalt	5.09	1	0.0658	1.11	J
7440-50-8	Copper	11.6	1	0.205	1.11	J
7439-89-6	Iron	12300	1	1.60	4.44	J
7440-22-4	Silver	1.66	1	0.174	1.66	U J
7440-28-0	Thallium	3.33	1	0.750	3.33	U
7440-62-2	Vanadium	15.0	1	0.235	1.66	J

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	20160418-064
Sampled:	04/04/16 20:00	Prepared:	04/15/16 12:15		
% Solids:	82.78	Preparation:	SW846 3050B	Initial/Final:	1.0869 g / 50 ml
Batch:	1606202	Sequence:	S603439	Calibration:	1604038
Instrument:	ICAP4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	4.68	1	0.513	1.67	
7439-95-4	Magnesium	11900	20	42.9	111	
7439-96-5	Manganese	192	1	0.728	1.11	
7440-02-0	Nickel	10.3	1	0.204	1.11	
7440-09-7	Potassium	1050	1	7.28	55.6	
7782-49-2	Selenium	1.67	1	0.443	1.67	U
7440-23-5	Sodium	1490	1	8.86	27.8	
7440-66-6	Zinc	28.1	1	1.02	1.11	
7429-90-5	Aluminum	5420	1	1.49	5.56	
7440-36-0	Antimony	5.56	1	0.450	5.56	U
7440-38-2	Arsenic	3.88	1	0.439	1.67	
7440-39-3	Barium	22.3	1	0.144	1.11	
7440-41-7	Beryllium	0.256	1	0.0287	0.556	J
7440-43-9	Cadmium	0.556	1	0.0280	0.556	U
7440-70-2	Calcium	27700	1	11.5	27.8	
7440-47-3	Chromium	8.76	1	0.143	1.11	
7440-48-4	Cobalt	3.72	1	0.0659	1.11	
7440-50-8	Copper	10.5	1	0.206	1.11	
7439-89-6	Iron	9600	1	1.61	4.45	
7440-22-4	Silver	1.67	1	0.174	1.67	U
7440-28-0	Thallium	3.33	1	0.751	3.33	U
7440-62-2	Vanadium	11.6	1	0.236	1.67	

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	20160418-071
Sampled:	04/04/16 15:05	Prepared:	04/15/16 12:15		
% Solids:	80.69	Preparation:	SW846 3050B	Initial/Final:	1.0021 g / 50 ml
Batch:	1606202	Sequence:	S603439	Calibration:	1604038
Instrument:	ICAP4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	55.5	1	0.571	1.86	
7439-95-4	Magnesium	3840	1	2.38	6.18	
7439-96-5	Manganese	228	1	0.810	1.24	
7440-02-0	Nickel	119	1	0.228	1.24	
7440-09-7	Potassium	1710	1	8.10	61.8	
7782-49-2	Selenium	1.86	1	0.493	1.86	U
7440-23-5	Sodium	524	1	9.85	30.9	
7440-66-6	Zinc	2080	20	22.7	24.7	
7429-90-5	Aluminum	8360	1	1.66	6.18	
7440-36-0	Antimony	6.18	1	0.501	6.18	U
7440-38-2	Arsenic	4.23	1	0.489	1.86	
7440-39-3	Barium	74.8	1	0.161	1.24	
7440-41-7	Beryllium	0.414	1	0.0319	0.618	J
7440-43-9	Cadmium	2.14	1	0.0312	0.618	
7440-70-2	Calcium	10000	1	12.8	30.9	
7440-47-3	Chromium	92.4	1	0.160	1.24	
7440-48-4	Cobalt	5.44	1	0.0733	1.24	
7440-50-8	Copper	52.9	1	0.229	1.24	
7439-89-6	Iron	14700	1	1.79	4.95	
7440-22-4	Silver	1.86	1	0.194	1.86	U
7440-28-0	Thallium	3.71	1	0.836	3.71	U
7440-62-2	Vanadium	17.0	1	0.262	1.86	

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	20160418-073
Sampled:	04/04/16 16:15	Prepared:	04/15/16 12:15		
% Solids:	83.74	Preparation:	SW846 3050B	Initial/Final:	1.0448 g / 50 ml
Batch:	1606202	Sequence:	S603439	Calibration:	1604038
Instrument:	ICAP4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	4.44	1	0.528	1.71	J
7439-95-4	Magnesium	11400	20	44.1	114	
7439-96-5	Manganese	198	1	0.749	1.14	J
7440-02-0	Nickel	45.7	1	0.210	1.14	J
7440-09-7	Potassium	1040	1	7.49	57.1	J
7782-49-2	Selenium	1.71	1	0.456	1.71	U
7440-23-5	Sodium	123	1	9.11	28.6	
7440-66-6	Zinc	230	1	1.05	1.14	
7429-90-5	Aluminum	5340	1	1.53	5.71	J
7440-36-0	Antimony	5.71	1	0.463	5.71	U J
7440-38-2	Arsenic	1.83	1	0.451	1.71	
7440-39-3	Barium	34.1	1	0.149	1.14	J
7440-41-7	Beryllium	0.258	1	0.0295	0.571	J
7440-43-9	Cadmium	0.101	1	0.0288	0.571	J
7440-70-2	Calcium	18500	1	11.8	28.6	J
7440-47-3	Chromium	10.2	1	0.147	1.14	J
7440-48-4	Cobalt	5.00	1	0.0678	1.14	J
7440-50-8	Copper	17.2	1	0.211	1.14	J
7439-89-6	Iron	10400	1	1.65	4.57	J
7440-22-4	Silver	1.71	1	0.179	1.71	U J
7440-28-0	Thallium	3.43	1	0.773	3.43	U
7440-62-2	Vanadium	11.2	1	0.242	1.71	J

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	20160418-086
Sampled:	04/04/16 17:20	Prepared:	04/15/16 12:15		
% Solids:	83.99	Preparation:	SW846 3050B	Initial/Final:	1.062 g / 50 ml
Batch:	1606202	Sequence:	S603439	Calibration:	1604038
Instrument:	ICAP4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	3.46	1	0.518	1.68	
7439-95-4	Magnesium	17300	20	43.2	112	
7439-96-5	Manganese	310	1	0.734	1.12	
7440-02-0	Nickel	10.0	1	0.206	1.12	
7440-09-7	Potassium	1680	1	7.34	56.1	
7782-49-2	Selenium	1.68	1	0.447	1.68	U
7440-23-5	Sodium	261	1	8.93	28.0	
7440-66-6	Zinc	21.6	1	1.03	1.12	
7429-90-5	Aluminum	7020	1	1.50	5.61	
7440-36-0	Antimony	5.61	1	0.454	5.61	U
7440-38-2	Arsenic	2.69	1	0.443	1.68	
7440-39-3	Barium	41.1	1	0.146	1.12	
7440-41-7	Beryllium	0.308	1	0.0289	0.561	J
7440-43-9	Cadmium	0.561	1	0.0283	0.561	U
7440-70-2	Calcium	79400	20	232	561	
7440-47-3	Chromium	12.8	1	0.145	1.12	
7440-48-4	Cobalt	3.93	1	0.0665	1.12	
7440-50-8	Copper	11.1	1	0.207	1.12	
7439-89-6	Iron	10900	1	1.62	4.48	
7440-22-4	Silver	1.68	1	0.176	1.68	U
7440-28-0	Thallium	3.36	1	0.758	3.36	U
7440-62-2	Vanadium	17.1	1	0.238	1.68	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	20160418-133
Sampled:	04/05/16 20:00	Prepared:	04/15/16 14:45		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 25 ml
Batch:	1606204	Sequence:	S603451	Calibration:	1604040
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	0.0060	1	0.0011	0.0060	U
7439-92-1	Lead	0.0075	1	0.0022	0.0075	U
7439-95-4	Magnesium	0.0304	1	0.0016	0.0100	
7439-96-5	Manganese	0.0012	1	0.0008	0.0020	J
7440-02-0	Nickel	0.0050	1	0.0021	0.0050	U
7440-09-7	Potassium	0.500	1	0.0980	0.500	U
7782-49-2	Selenium	0.0150	1	0.0036	0.0150	U
7440-23-5	Sodium	0.212	1	0.0760	0.250	J
7440-28-0	Thallium	0.0050	1	0.0021	0.0050	U
7440-66-6	Zinc	0.0042	1	0.0024	0.0050	J
7429-90-5	Aluminum	0.0406	1	0.0122	0.0250	
7440-38-2	Arsenic	0.0040	1	0.0016	0.0040	U
7440-39-3	Barium	0.0004	1	0.0002	0.0050	J
7440-41-7	Beryllium	0.0020	1	0.0002	0.0020	U
7440-43-9	Cadmium	0.0025	1	0.0002	0.0025	U
7440-70-2	Calcium	0.223	1	0.0115	0.100	
7440-47-3	Chromium	0.0050	1	0.0007	0.0050	J
7440-48-4	Cobalt	0.0050	1	0.0003	0.0050	U
7440-50-8	Copper	0.0050	1	0.0012	0.0050	U
7439-89-6	Iron	0.0653	1	0.0045	0.0150	
7440-22-4	Silver	0.0100	1	0.0016	0.0100	U
7440-62-2	Vanadium	0.0050	1	0.0008	0.0050	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	041916-026
Sampled:	04/04/16 18:30	Prepared:	04/15/16 12:15		
% Solids:	80.81	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6377 g / 29.9 ml
Batch:	1606203	Sequence:	S603366	Calibration:	1604039
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0130	1	0.0110	0.0349	J

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	041916-027
Sampled:	04/04/16 18:30	Prepared:	04/15/16 12:15		
% Solids:	79.82	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.622 g / 29.9 ml
Batch:	1606203	Sequence:	S603366	Calibration:	1604039
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0126	1	0.0114	0.0363	J

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	041916-028
Sampled:	04/04/16 20:45	Prepared:	04/15/16 12:15		
% Solids:	79.67	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6348 g / 29.9 ml
Batch:	1606203	Sequence:	S603366	Calibration:	1604039
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0356	1	0.0112	0.0356	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	041916-029
Sampled:	04/04/16 19:10	Prepared:	04/15/16 12:15		
% Solids:	79.56	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6161 g / 29.9 ml
Batch:	1606203	Sequence:	S603366	Calibration:	1604039
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0367	1	0.0115	0.0367	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	041916-030
Sampled:	04/04/16 21:30	Prepared:	04/15/16 12:15		
% Solids:	85.59	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.62 g / 29.9 ml
Batch:	1606203	Sequence:	S603366	Calibration:	1604039
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0339	1	0.0107	0.0339	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	041916-031
Sampled:	04/04/16 20:00	Prepared:	04/15/16 12:15		
% Solids:	82.78	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6108 g / 29.9 ml
Batch:	1606203	Sequence:	S603366	Calibration:	1604039
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0356	1	0.0112	0.0356	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	041916-032
Sampled:	04/04/16 15:05	Prepared:	04/15/16 12:15		
% Solids:	80.69	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6634 g / 29.9 ml
Batch:	1606203	Sequence:	S603366	Calibration:	1604039
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0667	1	0.0106	0.0336	

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	041916-033
Sampled:	04/04/16 16:15	Prepared:	04/15/16 12:15		
% Solids:	83.74	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.662 g / 29.9 ml
Batch:	1606203	Sequence:	S603366	Calibration:	1604039
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0134	1	0.0102	0.0325	J

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	041916-040
Sampled:	04/04/16 17:20	Prepared:	04/15/16 12:15		
% Solids:	83.99	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6371 g / 29.9 ml
Batch:	1606203	Sequence:	S603366	Calibration:	1604039
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0336	1	0.0106	0.0336	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	041916-016
Sampled:	04/05/16 20:00	Prepared:	04/15/16 15:00		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1606205	Sequence:	S603366	Calibration:	1604039
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	041116C1-022
Sampled:	04/04/16 18:30	Prepared:	04/11/16 12:43	Analyzed:	04/11/16 17:46
% Solids:	80.81	Preparation:	General Preparation	Initial/Final:	0.5015 g / 50 ml
Batch:	1605969	Sequence:	S602951	Calibration:	1604011
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.617	1	0.417	0.617	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	041116C1-023
Sampled:	04/04/16 18:30	Prepared:	04/11/16 12:43	Analyzed:	04/11/16 17:46
% Solids:	79.82	Preparation:	General Preparation	Initial/Final:	0.5179 g / 50 ml
Batch:	1605969	Sequence:	S602951	Calibration:	1604011
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.605	1	0.409	0.605	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	041116C1-024
Sampled:	04/04/16 20:45	Prepared:	04/11/16 12:43	Analyzed:	04/11/16 17:47
% Solids:	79.67	Preparation:	General Preparation	Initial/Final:	0.5482 g / 50 ml
Batch:	1605969	Sequence:	S602951	Calibration:	1604011
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.572	1	0.387	0.572	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	041116C1-031
Sampled:	04/04/16 19:10	Prepared:	04/11/16 12:43	Analyzed:	04/11/16 17:52
% Solids:	79.56	Preparation:	General Preparation	Initial/Final:	0.5318 g / 50 ml
Batch:	1605969	Sequence:	S602951	Calibration:	1604011
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.591	1	0.399	0.591	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	041116C1-032
Sampled:	04/04/16 21:30	Prepared:	04/11/16 12:43	Analyzed:	04/11/16 17:53
% Solids:	85.59	Preparation:	General Preparation	Initial/Final:	0.5316 g / 50 ml
Batch:	1605969	Sequence:	S602951	Calibration:	1604011
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.549	1	0.371	0.549	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	041116C1-033
Sampled:	04/04/16 20:00	Prepared:	04/11/16 12:43	Analyzed:	04/11/16 17:54
% Solids:	82.78	Preparation:	General Preparation	Initial/Final:	0.5315 g / 50 ml
Batch:	1605969	Sequence:	S602951	Calibration:	1604011
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.568	1	0.384	0.568	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	041116C1-034
Sampled:	04/04/16 15:05	Prepared:	04/11/16 12:43	Analyzed:	04/11/16 17:54
% Solids:	80.69	Preparation:	General Preparation	Initial/Final:	0.5409 g / 50 ml
Batch:	1605969	Sequence:	S602951	Calibration:	1604011
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.573	1	0.387	0.573	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	1606152_041316-024
Sampled:	04/04/16 16:15	Prepared:	04/13/16 11:41	Analyzed:	04/13/16 18:22
% Solids:	83.74	Preparation:	General Preparation	Initial/Final:	0.5422 g / 50 ml
Batch:	1606152	Sequence:	S603006	Calibration:	1604019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.678	1	0.372	0.551	

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	1606152_041316-031
Sampled:	04/04/16 17:20	Prepared:	04/13/16 11:41	Analyzed:	04/13/16 18:28
% Solids:	83.99	Preparation:	General Preparation	Initial/Final:	0.5304 g / 50 ml
Batch:	1606152	Sequence:	S603006	Calibration:	1604019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.561	1	0.379	0.561	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

052-FB-04-05-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Distilled Water	Laboratory ID:	SC19901-23	File ID:	OM_4-14-2016_01-41-33PM-021
Sampled:	04/05/16 20:00	Prepared:	04/14/16 12:33	Analyzed:	04/14/16 13:59
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1606247	Sequence:	S603092	Calibration:	1604026
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00500	1	0.00425	0.00500	U

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

043-DUP4

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-01	File ID:	
Sampled:	04/04/16 18:30	Prepared:	04/12/16 16:43	Analyzed:	04/12/16 18:11
% Solids:	80.81	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606089	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.8	1			

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

044-TB-A (4.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-03	File ID:	
Sampled:	04/04/16 18:30	Prepared:	04/12/16 16:43	Analyzed:	04/12/16 18:11
% Solids:	79.82	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606089	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	79.8	1			

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

045-TB-B (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-05	File ID:	
Sampled:	04/04/16 20:45	Prepared:	04/12/16 16:43	Analyzed:	04/12/16 18:11
% Solids:	79.67	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606089	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	79.7	1			

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

046-TB-C (4-6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-07	File ID:	
Sampled:	04/04/16 19:10	Prepared:	04/12/16 16:43	Analyzed:	04/12/16 18:11
% Solids:	79.56	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606089	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	79.6	1			

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

047-TB-D (9-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-11	File ID:	
Sampled:	04/04/16 21:30	Prepared:	04/12/16 16:43	Analyzed:	04/12/16 18:11
% Solids:	85.59	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606089	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	85.6	1			

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

048-TB-E (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-13	File ID:	
Sampled:	04/04/16 20:00	Prepared:	04/12/16 16:43	Analyzed:	04/12/16 18:11
% Solids:	82.78	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606089	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.8	1			

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

049-TB-EE (1-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-15	File ID:	
Sampled:	04/04/16 15:05	Prepared:	04/12/16 16:43	Analyzed:	04/12/16 18:11
% Solids:	80.69	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606089	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.7	1			

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

050-TB-F (4-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-18	File ID:	
Sampled:	04/04/16 16:15	Prepared:	04/12/16 16:43	Analyzed:	04/12/16 18:11
% Solids:	83.74	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606089	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	83.7	1			

lw-6/10/14

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

051-TB-L (7-9.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19901
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/07/16 10:48
Matrix:	Soil	Laboratory ID:	SC19901-22	File ID:	
Sampled:	04/04/16 17:20	Prepared:	04/12/16 16:43	Analyzed:	04/12/16 18:11
% Solids:	83.99	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606089	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	84.0	1			

lw-6/10/14

SW846 8260C
SW846 8260C TICs

Sample Identification and Analytical Requirements Summary

Project Name: McAlpin - Rochester, NY SDG: SC19901

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
043-DUP4	SC19901-01	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
TB-A (1-3)	SC19901-02					-
044-TB-A (4.5-7.5)	SC19901-03	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
TB-B (1.5-3.5)	SC19901-04					-
045-TB-B (4-6)	SC19901-05	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
TB-C (1.5-3.5)	SC19901-06					-
046-TB-C (4-6)	SC19901-07	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
TB-C (8-9)	SC19901-08					-
TB-D (2-4)	SC19901-09					-
TB-D (6-8)	SC19901-10					-
047-TB-D (9-12)	SC19901-11	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
TB-E (1.5-3.5)	SC19901-12					-
048-TB-E (5-7)	SC19901-13	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
TB-E (8-10)	SC19901-14					-
049-TB-EE (1-4)	SC19901-15	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
TB-EE (4-8)	SC19901-16					-
TB-F (1.5-3.5)	SC19901-17					-
050-TB-F (4-7)	SC19901-18	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
TB-F (7-9.5)	SC19901-19					-
TB-L (1.5-3.5)	SC19901-20					-
051-TB-L (4.5-6.5)	SC19901-21					-

Sample Identification and Analytical Requirements Summary

Project Name: McAlpin - Rochester, NY SDG: SC19901

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
051-TB-L (7-9.5)	SC19901-22	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
052-FB-04-05-2016	SC19901-23	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	EPA 245.1/7470A SW846 6010C varies	EPA 335.4 / SW846 9012B

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Sample Transmittal Documentation

SC19901

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CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:

☑ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Avenue
Rochester, NY, 14606
Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME
P.O No.: _____ Quote #: _____

Project No: 5211S-16
Site Name: McAlpin
Location: 50 Balfour Dr., Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs & TICs 8260	TCL SVOCs & TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082			Check if chlorinated	List Preservative Code below: 7
SC19901-01	043-DUP4	4/4/2016	6:30 PM	G	SO	3	1			x	x	x	x	x	x			☐	low level VOCs frozen 4/4/2016, 22:30
02	TB-A (1-3)	4/4/2016	6:40 PM	G	SO	3	1											☐	Hold,low level VOCs frozen 4/4/2016, 22:30
03	044-TB-A (4.5-7.5)	4/4/2016	6:30 PM	G	SO	3	1			x	x	x	x	x	x			☐	low level VOCs frozen 4/4/2016, 22:30
04	TB-B (1.5-3.5)	4/4/2016	8:40 PM	G	SO	3	1											☐	Hold, low level VOCs frozen 4/4/2016, 22:30
05	045-TB-B (4-6)	4/4/2016	8:45 PM	G	SO	3	1			x	x	x	x	x	x			☐	low level VOCs frozen 4/4/2016, 22:30
06	TB-C (1.5-3.5)	4/4/2016	7:00 PM	G	SO	3	1											☐	Hold, low level VOCs frozen 4/4/2016, 22:30
07	046-TB-C (4-6)	4/4/2016	7:10 PM	G	SO	3	1			x	x	x	x	x	x			☐	low level VOCs frozen 4/4/2016, 22:30
08	TB-C (8-9)	4/4/2016	7:10 PM	G	SO		1											☐	Hold, low level VOCs frozen 4/4/2016, 22:30
09	TB-D (2-4)	4/4/2016	9:05 PM	G	SO	3	1											☐	Hold, low level VOCs frozen 4/4/2016, 22:30
10	TB-D (6-8)	4/4/2016	9:15 PM	G	SO	3	1											☐	Hold, low level VOCs frozen 4/4/2016, 22:30

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐
CT DPH RCP Report? ☐ Yes ☐
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
H McLennan	Fedex	4/6/2016	4:25:00 PM	Observed 1.9
Fedex		4-7-16	10:48	Correction Factor -.8
				Corrected 1.9
				IR ID # 01

☑ EDD format: NYSDEC Equis
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC19901 By

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:

☑ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Avenue
Rochester, NY, 14606
Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME
P.O No.: _____ Quote #: _____

Project No: 5211S-16
Site Name: McAlpin
Location: 50 Balfour Dr., Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs & TICs 8260	TCL SVOCs & TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	Check if chlorinated	List Preservative Code below: 7
SC19901-11	047-TB-D (9-12)	4/4/2016	9:30 PM	G	SO	3	1			x	x	x	x	x	x	☐	low level VOCs frozen 4/4/2016, 22:
12	TB-E (1.5-3.5)	4/4/2016	7:45 PM	G	SO	3	1									☐	Hold,low level VOCs frozen 4/4/2016, 22
13	048-TB-E (5-7)	4/4/2016	8:00 PM	G	SO	3	1			x	x	x	x	x	x	☐	low level VOCs frozen 4/4/2016, 22:
14	TB-E (8-10)	4/4/2016	8:05 PM	G	SO	3	1									☐	Hold, low level VOCs frozen 4/4/2016, 22
15	049-TB-EE (1-4)	4/4/2016	3:05 PM	G	SO	3	2			x	x	x	x	x	x	☐	low level VOCs frozen 4/4/2016, 22:
16	TB-EE (4-8)	4/4/2016	3:10 PM	G	SO	3	2									☐	Hold, low level VOCs frozen 4/4/2016, 22
17	TB-F (1.5-3.5)	4/4/2016	4:00 PM	G	SO	3	1									☐	Hold, low level VOCs frozen 4/4/2016, 22
18	050-TB-F (4-7)	4/4/2016	4:15 PM	G	SO	3	2			x	x	x	x	x	x	☐	low level VOCs frozen 4/4/2016, 22:
19	TB-F (7-9.5)	4/4/2016	4:30 PM	G	SO	3	1									☐	Hold, low level VOCs frozen 4/4/2016, 22
20	TB-L (1.5-3.5)	4/4/2016	4:45 PM	G	SO	6	2									☐	Hold, low level VOCs frozen 4/4/2016,

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐
CT DPH RCP Report? ☐ Yes ☐
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
H McLennan	Fedex	4/6/2016	4:25:00 PM	Observed 1.9
Fedex		4-7-16	10:48	Correction Factor 0
				Corrected 1.9
				IR ID # 01

☑ EDD format: NYSDEC Equis
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Fro

SC19901 Bm

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CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:

☑ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Avenue
Rochester, NY, 14606
Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME
P.O No.: _____ Quote #: _____

Project No: 5211S-16
Site Name: McAlpin
Location: 50 Balfour Dr., Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= distilled water X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL VOCs & TICs 8260	TCL SVOCs & TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	Check if chlorinated	QA/QC Reporting Notes: * additional charges may apply
						Containers				Analysis							
						List Preservative Code below:				4		-/4	-/5				
SC19901-21	051-TB-L (4.5-6.5)	4/4/2016	5:00 PM	G	SO	3	1									☐	Hold, low level VOCs frozen 4/4/2016, 22
22	TB-L (7-9.5)	4/4/2016	5:20 PM	G	SO	3	2			x	x	x	x	x	x	☐	Low level VOCs frozen 4/4/2016, 22
23	052-FB-04-05-2016	4/5/2016	8:00 PM	C	X1	3	3		2	x	x	x	x	x	x	☐	
																☐	
																☐	
																☐	
																☐	
																☐	
																☐	
																☐	

MA DEP MCP CAM Report? ☐ Yes ☐
CT DPH RCP Report? ☐ Yes ☐
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
H McLennan	Fedex	4/6/2016	4:25:00 PM
Fedex		4-7-16	10:48

Temp °C: Observed 1.9, Correction Factor 0, Corrected 1.9, B.U.D. 01

☑ EDD format: NYSDEC Equis
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Ave
Rochester, NY

Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME

P.O No.: _____ Quote/RQN: _____

Project No: 52115-16
Site Name: McAlpin
Location: 50 Balfour Dr, Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL VOCs + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	Check if chlorinated	
	DUP4	4/4/16	18:30	G	SO	3	1			x	x	x	x	x	x	☐	low level VOC frozen 4/4/16 22:30
	TB-A (1-3)	4/4/16	18:40	G	SO	3	1									☐	hold sample
	TB-A (4.5-7.5)	4/4/16	18:30	G	SO	3	1			x	x	x	x	x	x	☐	
	TB-B (1.5-3.5)	4/4/16	20:40	G	SO	3	1									☐	hold spl
	TB-B (4-6)	4/4/16	20:45	G	SO	3	1			x	x	x	x	x	x	☐	
	TB-C (1.5-3.5)	4/4/16	19:00	G	SO	3	1									☐	hold spl
	TB-C (4-6)	4/4/16	19:10	G	SO	3	1			x	x	x	x	x	x	☐	
	TB-C (8-9)	4/4/16	19:10	G	SO		1									☐	hold spl
	TB-D (2-4)	4/4/16	21:05	G	SO	3	1									☐	hold spl
	TB-D (6-8)	4/4/16	21:15	G	SO	3	1									☐	hold spl

List Preservative Code below: 7

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Heather McLennan	Fedex	4/6/16	16:25	Observed 1.9
Fedex	(N)	4-7-16	10:48	Correction Factor 0
				Corrected 1.9
				IR ID # 01

☑ EDD format: NYSDEC EQuIS
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:
- ☑ Standard TAT - 7 to 10 business days
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Report To: DAY Environmental
5163 Lyell Ave
Rochester, NY
Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME
P.O No.: _____ Quote/RQN: _____

Project No: 52115-16
Site Name: McAlpin
Location: 50 Bedford Dr, Rod. State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOC+TICs 8260	TCL SVOC+TICs 8270	TAL metals (6010/7471)	Cyanide 9012	Pesticides 8081	PCBs 8082	Check if chlorinated	List Preservative Code below: 7
	TB-D (9-12)	4/4/16	21:30	G	SO	3	1			x	x	x	x	x	x	☐	low level vocs frozen 4/4/2016 20:30
	TB-E (15-3.5)	4/4/16	19:45	G	SO	3	1									☐	hold spl
	TB-E (5-7)	4/4/16	20:00	G	SO	3	1			x	x	x	x	x	x	☐	
	TB-E (8-10)	4/4/16	20:05	G	SO	3	1									☐	hold spl
	TB-EE (1-4)	4/4/16	15:05	G	SO	3	2			x	x	x	x	x	x	☐	
	TB-EE (4-8)	4/4/16	15:10	G	SO	3	2									☐	hold spl
	TB-F (15-3.5)	4/4/16	16:00	G	SO	3	1									☐	hold spl
	TB-F (4-7)	4/4/16	16:15	G	SO	3	2			x	x	x	x	x	x	☐	
	TB-F (7-9.5)	4/4/16	16:30	G	SO	3	1									☐	hold spl
	TB-L (15-35)	4/4/16	16:45	G	SO	6	2									☐	hold spl

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
1) MCL	Fedex	4/6/16	16:25	Observed 1.9
Fedex	2)	4-7-16	10:48	Correction Factor 0
				Corrected 1.9
				Blank # 01

☑ EDD format: NYSDEC EQuIS.
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

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CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:
- [x] Standard TAT - 7 to 10 business days
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Report To: DAY Environmental
1563 Lyell Ave
Rochester, NY

Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: JAMÉ

P.O No.: _____ Quote #: _____

Project No: 52115-16
Site Name: McAlpin
Location: 50 Balfour Dr. Roch State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= _____ 12= _____

List Preservative Code below: 7/2 -/4 -/5

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= Distilled X2= _____ X3= _____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOC+TIC 8260	TCL SVOC+TIC 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	Check if chlorinated	QA/QC Reporting Notes: * additional charges may appply
4	TB-L (4.5-6.5)	4/4/16	17:00	G	SO	3	1									☐	hold spl low level VOC
	TB-L (7-9.5)	4/4/16	17:20	G	SO	3	2			X	X	X	X	X	X	☐	frozen 4/4/16 18:30
	FB-04-05-2016	4/5/16	20:00	C	X1	3	3		2	X	X	X	X	X	X	☐	
																☐	
																☐	
																☐	
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																☐	
																☐	

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
H McLennan	Fedex	4/6/16	16:25	Observed 1.9
Fedex		4-7-16	10:48	Correction Factor 0
				Corrected 1.9
				Therm ID Ø1

☑ EDD format: NYSDEC EQuIS
☑ E-mail to: hmclennan@daynail.net
jdanzinger@daynail.net

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Sample shipping address: 11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • www.EurofinsUS.com/Spectrum

Rev. Sep 2015

SDG 19901 Page 16 / 4602

CROSS REFERENCE TABLE

SW846 8260C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	19901
Client:	Day Environmental, Inc.	Project:	McAlpin - Rochester, NY
Project Number:	5211S-16		

Client Sample ID:	Lab Sample ID:
043-DUP4	SC19901-01
044-TB-A (4.5-7.5)	SC19901-03
045-TB-B (4-6)	SC19901-05
045-TB-B (4-6)	SC19901-05RE1
046-TB-C (4-6)	SC19901-07
047-TB-D (9-12)	SC19901-11
048-TB-E (5-7)	SC19901-13
048-TB-E (5-7)	SC19901-13RE1
049-TB-EE (1-4)	SC19901-15
049-TB-EE (1-4)	SC19901-15RE1
050-TB-F (4-7)	SC19901-18
050-TB-F (4-7)	SC19901-18RE1
051-TB-L (7-9.5)	SC19901-22
052-FB-04-05-2016	SC19901-23

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19901

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19901

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8260C, SW846 8260C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 5030 Water MS.

Soil/Sediment samples were prepared according to SW846 5035A Soil (high level).

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

Soil/Sediment samples were prepared according to SW846 5035A Soil (low level).

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8260C, SW846 8260C:

HPV1 details: Tekmar Atomx, Stratum U trap and conditions used
Agilent 6890N series gas chromatograph
Agilent 5973 Mass Selective Detector Column - DB-VRX,
20 meters, 0.18mm diameter 1.0um film

HPV3 details: GC/MS Tekmar ALS 2016 and ALS 2032 purge and trap autosamplers
Tekmar 3100 sample concentrator Supelco vocarb 3000 (K) trap and
conditions used Agilent 7890A series gas chromatograph
Agilent 5975C Mass Selective Detector Column – DB-VRX,
20 meters, 0.18mm diameter 1.0um film

HPV9 details: GC/MS EST Model 8100 autosampler EST Encon sample concentrator
Supelco vocarb 3000 (K) trap and conditions used Agilent 6890N series
gas chromatograph Agilent 5975 Mass Selective Detector
Column – DB-VRX, 20 meters, 0.18mm diameter 1.0um film

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1603012:

The following analytes, Acetone, 2-Butanone (MEK) are flagged on Form VI – Initial Calibration Data, for ICAL 1603012/V3031016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 2-Butanone (MEK)

This affected the following samples:

S602008-ICV1

In calibration 1604002:

The following analytes, Acetone, 2-Butanone (MEK), 1,2-Dibromo-3-Chloropropane, 2-Hexanone (MBK) and 4-Methyl-2-Pentanone (MIBK) are flagged on Form VI – Initial Calibration Data, for ICAL 1604002/S9033016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromoform, Carbon disulfide, cis-1,3-Dichloropropene, Dibromochloromethane, Naphthalene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene

This affected the following samples:

1606025-BSD1, 044-TB-A (4.5-7.5), 045-TB-B (4-6), 046-TB-C (4-6), 048-TB-E (5-7), 049-TB-EE (1-4), 050-TB-F (4-7), 043-DUP4, 1606025-BS1, TB-L (7-9.5), 1606215-BLK1, 1606215-BS1, 1606215-BSD1, S602674-ICV1, S602944-CCV1, S603017-CCV1, 1606025-BLK1

In calibration 1604005:

The following analytes, Acetone, 2-Butanone (MEK) are flagged on Form VI – Initial Calibration Data, for ICAL 1604005/V1040616.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,4-Dichlorobenzene, 1,4-Dioxane, 4-

Chlorotoluene, Bromomethane, Chloromethane, m,p-Xylene, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, sec-Butylbenzene, Styrene, Tert-amyl methyl ether, Tert-Butanol / butyl alcohol, tert-Butylbenzene, Vinyl chloride

This affected the following samples:

S602855-CCV1, S602820-ICV1, 1605919-BSD1, 1605919-BS1, 1605919-BLK1, 052-FB-04-05-2016

In sample S602674-ICV1:

Analyte percent recovery is outside individual acceptance criteria (80-120).

2-Chlorotoluene (123%)

This affected the following samples:

043-DUP4, 044-TB-A (4.5-7.5), 045-TB-B (4-6), 046-TB-C (4-6), 048-TB-E (5-7), 049-TB-EE (1-4), 050-TB-F (4-7), 1606025-BLK1, 1606025-BS1, 1606025-BSD1, 1606215-BLK1, 1606215-BS1, 1606215-BSD1, S602944-CCV1, S603017-CCV1, TB-L (7-9.5)

In sample S602820-ICV1:

Analyte percent recovery is outside individual acceptance criteria (80-120).

2-Chlorotoluene (125%)
Ethanol (124%)
Isopropylbenzene (123%)
Methylcyclohexane (78%)
trans-1,4-Dichloro-2-butene (121%)

This affected the following samples:

052-FB-04-05-2016, 1605919-BLK1, 1605919-BS1, 1605919-BSD1, S602855-CCV1

In sample S602855-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Chlorotoluene (25.0%)
Carbon tetrachloride (20.6%)
Ethanol (24.3%)
Isopropylbenzene (23.4%)
Trichlorofluoromethane (Freon 11) (22.0%)

This affected the following samples:

052-FB-04-05-2016, 1605919-BLK1, 1605919-BS1, 1605919-BSD1

In sample S602944-CCV1:

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2-Hexanone (MBK) (-24.4%)
Naphthalene (-26.4%)

This affected the following samples:

043-DUP4, 044-TB-A (4.5-7.5), 045-TB-B (4-6), 046-TB-C (4-6), 048-TB-E (5-7), 049-TB-EE (1-4), 050-TB-F (4-7), 1606025-BLK1, 1606025-BS1, 1606025-BSD1, TB-L (7-9.5)

In sample S603017-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Carbon tetrachloride (-20.1%)
Dichlorodifluoromethane (Freon12) (-21.2%)
Methyl acetate (-26.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,4-Trichlorobenzene (-21.0%)
Naphthalene (-34.1%)

This affected the following samples:

049-TB-EE (1-4), 1606215-BLK1, 1606215-BS1, 1606215-BSD1

In sample S603071-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-35.9%)
4-Methyl-2-pentanone (MIBK) (-21.8%)
Bromoform (-25.6%)
Tert-Butanol / butyl alcohol (-21.5%)
Tetrachloroethene (23.4%)
Tetrahydrofuran (-24.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Acetone (-39.4%)

This affected the following samples:

045-TB-B (4-6), 047-TB-D (9-12), 048-TB-E (5-7), 1606326-BLK1, 1606326-BS1, 1606326-BSD1

In sample S603116-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (24.4%)
1,1-Dichloroethene (23.0%)
1,2-Dibromo-3-chloropropane (-20.2%)
sec-Butylbenzene (21.0%)
tert-Butylbenzene (22.3%)

Tetrachloroethene (27.5%)
Trichlorofluoromethane (Freon 11) (25.6%)

This affected the following samples:

050-TB-F (4-7), 1606435-BLK1, 1606435-BS1, 1606435-BSD1

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1605919, sample 1605919-BLK1: None found

Tentatively Identified Compounds in batch 1606025, sample 1606025-BLK1: None found

Tentatively Identified Compounds in batch 1606326, sample 1606326-BLK1: None found

Tentatively Identified Compounds in batch 1606435, sample 1606435-BLK1: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

1,1-Dichloroethane in batch 1605919, sample 1605919-BSD1: The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

1,2-Dibromo-3-chloropropane in batch 1606326, samples 1606326-BS1, 1606326-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Tetrachloroethene in batch 1606435, sample 1606435-BS1: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

<u>In batch 1606326 BS/BSD:</u>

1,2-Dibromo-3-chloropropane percent recoveries (69/68) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

045-TB-B (4-6), 047-TB-D (9-12), 048-TB-E (5-7)

Acetone percent recoveries (61/61) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

045-TB-B (4-6), 047-TB-D (9-12), 048-TB-E (5-7)

<u>In batch 1606435 BS/BSD:</u>

Tetrachloroethene percent recoveries (133/128) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

050-TB-F (4-7)

In batch 1605919 BSD:

1,1-Dichloroethane RPD 24% (20%) is outside individual acceptance criteria.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

Trichloroethene in batch 1606025, samples 045-TB-B (4-6) (SC19901-05), 048-TB-E (5-7) (SC19901-13), 050-TB-F (4-7) (SC19901-18): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

In batch 1606326, sample 047-TB-D (9-12) (SC19901-11): Reporting limits reflect SW846 5035A High Level extraction technique due to interference and/or QC issues using SW846 5035A Low Level extraction technique.

In batch 1606326, samples 045-TB-B (4-6) (SC19901-05RE1), 048-TB-E (5-7) (SC19901-13RE1): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

In batch 1606435, sample 050-TB-F (4-7) (SC19901-18RE1): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

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SW846 8260C
SW846 8260C TICs

QC Summary

ATTACHMENT B

CASE NARRATIVE & COC

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19901

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19901

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8260C, SW846 8260C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 5030 Water MS.

Soil/Sediment samples were prepared according to SW846 5035A Soil (high level).

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

Soil/Sediment samples were prepared according to SW846 5035A Soil (low level).

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8260C, SW846 8260C:

HPV1 details: Tekmar Atomx, Stratum U trap and conditions used
Agilent 6890N series gas chromatograph
Agilent 5973 Mass Selective Detector Column - DB-VRX,
20 meters, 0.18mm diameter 1.0um film

HPV3 details: GC/MS Tekmar ALS 2016 and ALS 2032 purge and trap autosamplers
Tekmar 3100 sample concentrator Supelco vocarb 3000 (K) trap and
conditions used Agilent 7890A series gas chromatograph
Agilent 5975C Mass Selective Detector Column – DB-VRX,
20 meters, 0.18mm diameter 1.0um film

HPV9 details: GC/MS EST Model 8100 autosampler EST Encon sample concentrator
Supelco vocarb 3000 (K) trap and conditions used Agilent 6890N series
gas chromatograph Agilent 5975 Mass Selective Detector
Column – DB-VRX, 20 meters, 0.18mm diameter 1.0um film

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1603012:

The following analytes, Acetone, 2-Butanone (MEK) are flagged on Form VI – Initial Calibration Data, for ICAL 1603012/V3031016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 2-Butanone (MEK)

This affected the following samples:

S602008-ICV1

In calibration 1604002:

The following analytes, Acetone, 2-Butanone (MEK), 1,2-Dibromo-3-Chloropropane, 2-Hexanone (MBK) and 4-Methyl-2-Pentanone (MIBK) are flagged on Form VI – Initial Calibration Data, for ICAL 1604002/S9033016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromoform, Carbon disulfide, cis-1,3-Dichloropropene, Dibromochloromethane, Naphthalene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene

This affected the following samples:

1606025-BSD1, 044-TB-A (4.5-7.5), 045-TB-B (4-6), 046-TB-C (4-6), 048-TB-E (5-7), 049-TB-EE (1-4), 050-TB-F (4-7), 043-DUP4, 1606025-BS1, TB-L (7-9.5), 1606215-BLK1, 1606215-BS1, 1606215-BSD1, S602674-ICV1, S602944-CCV1, S603017-CCV1, 1606025-BLK1

In calibration 1604005:

The following analytes, Acetone, 2-Butanone (MEK) are flagged on Form VI – Initial Calibration Data, for ICAL 1604005/V1040616.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,4-Dichlorobenzene, 1,4-Dioxane, 4-

Chlorotoluene, Bromomethane, Chloromethane, m,p-Xylene, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, sec-Butylbenzene, Styrene, Tert-amyl methyl ether, Tert-Butanol / butyl alcohol, tert-Butylbenzene, Vinyl chloride

This affected the following samples:

S602855-CCV1, S602820-ICV1, 1605919-BSD1, 1605919-BS1, 1605919-BLK1, 052-FB-04-05-2016

In sample S602674-ICV1:

Analyte percent recovery is outside individual acceptance criteria (80-120).

2-Chlorotoluene (123%)

This affected the following samples:

043-DUP4, 044-TB-A (4.5-7.5), 045-TB-B (4-6), 046-TB-C (4-6), 048-TB-E (5-7), 049-TB-EE (1-4), 050-TB-F (4-7), 1606025-BLK1, 1606025-BS1, 1606025-BSD1, 1606215-BLK1, 1606215-BS1, 1606215-BSD1, S602944-CCV1, S603017-CCV1, TB-L (7-9.5)

In sample S602820-ICV1:

Analyte percent recovery is outside individual acceptance criteria (80-120).

2-Chlorotoluene (125%)
Ethanol (124%)
Isopropylbenzene (123%)
Methylcyclohexane (78%)
trans-1,4-Dichloro-2-butene (121%)

This affected the following samples:

052-FB-04-05-2016, 1605919-BLK1, 1605919-BS1, 1605919-BSD1, S602855-CCV1

In sample S602855-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Chlorotoluene (25.0%)
Carbon tetrachloride (20.6%)
Ethanol (24.3%)
Isopropylbenzene (23.4%)
Trichlorofluoromethane (Freon 11) (22.0%)

This affected the following samples:

052-FB-04-05-2016, 1605919-BLK1, 1605919-BS1, 1605919-BSD1

In sample S602944-CCV1:

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2-Hexanone (MBK) (-24.4%)
Naphthalene (-26.4%)

This affected the following samples:

043-DUP4, 044-TB-A (4.5-7.5), 045-TB-B (4-6), 046-TB-C (4-6), 048-TB-E (5-7), 049-TB-EE (1-4), 050-TB-F (4-7), 1606025-BLK1, 1606025-BS1, 1606025-BSD1, TB-L (7-9.5)

In sample S603017-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Carbon tetrachloride (-20.1%)
Dichlorodifluoromethane (Freon12) (-21.2%)
Methyl acetate (-26.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,4-Trichlorobenzene (-21.0%)
Naphthalene (-34.1%)

This affected the following samples:

049-TB-EE (1-4), 1606215-BLK1, 1606215-BS1, 1606215-BSD1

In sample S603071-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-35.9%)
4-Methyl-2-pentanone (MIBK) (-21.8%)
Bromoform (-25.6%)
Tert-Butanol / butyl alcohol (-21.5%)
Tetrachloroethene (23.4%)
Tetrahydrofuran (-24.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Acetone (-39.4%)

This affected the following samples:

045-TB-B (4-6), 047-TB-D (9-12), 048-TB-E (5-7), 1606326-BLK1, 1606326-BS1, 1606326-BSD1

In sample S603116-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (24.4%)
1,1-Dichloroethene (23.0%)
1,2-Dibromo-3-chloropropane (-20.2%)
sec-Butylbenzene (21.0%)
tert-Butylbenzene (22.3%)

Tetrachloroethene (27.5%)
Trichlorofluoromethane (Freon 11) (25.6%)

This affected the following samples:

050-TB-F (4-7), 1606435-BLK1, 1606435-BS1, 1606435-BSD1

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1605919, sample 1605919-BLK1: None found

Tentatively Identified Compounds in batch 1606025, sample 1606025-BLK1: None found

Tentatively Identified Compounds in batch 1606326, sample 1606326-BLK1: None found

Tentatively Identified Compounds in batch 1606435, sample 1606435-BLK1: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

1,1-Dichloroethane in batch 1605919, sample 1605919-BSD1: The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

1,2-Dibromo-3-chloropropane in batch 1606326, samples 1606326-BS1, 1606326-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Tetrachloroethene in batch 1606435, sample 1606435-BS1: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

<u>In batch 1606326 BS/BSD:</u>

1,2-Dibromo-3-chloropropane percent recoveries (69/68) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

045-TB-B (4-6), 047-TB-D (9-12), 048-TB-E (5-7)

Acetone percent recoveries (61/61) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

045-TB-B (4-6), 047-TB-D (9-12), 048-TB-E (5-7)

<u>In batch 1606435 BS/BSD:</u>

Tetrachloroethene percent recoveries (133/128) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

050-TB-F (4-7)

In batch 1605919 BSD:

1,1-Dichloroethane RPD 24% (20%) is outside individual acceptance criteria.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

Trichloroethene in batch 1606025, samples 045-TB-B (4-6) (SC19901-05), 048-TB-E (5-7) (SC19901-13), 050-TB-F (4-7) (SC19901-18): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

In batch 1606326, sample 047-TB-D (9-12) (SC19901-11): Reporting limits reflect SW846 5035A High Level extraction technique due to interference and/or QC issues using SW846 5035A Low Level extraction technique.

In batch 1606326, samples 045-TB-B (4-6) (SC19901-05RE1), 048-TB-E (5-7) (SC19901-13RE1): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

In batch 1606435, sample 050-TB-F (4-7) (SC19901-18RE1): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

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SW846 8260C
SW846 8260C TICs

QC Summary

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19901

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19901

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8270D, SW846 8270D.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8270D, SW846 8270D:

HPS5 details: Agilent 6890 with 5973 MS: Agilent HP-5MS (30M, 0.25mm, 0.25um)

HPS8 details: Agilent 6890 with 5973 MS: Agilent HP-5MS (30M, 0.25mm, 0.25um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1602028:

The following analytes, Benzidine & Benzaldehyde, are flagged on Form VI – Initial Calibration Data, for ICAL 1602028/SV80211R.M.M, due to a rounding discrepancy. Please refer to the raw data for further verification.

Analyte quantified by quadratic type calibration: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Benzidine, Benzoic acid

This affected the following samples:

S603028-CCV1, S602948-CCV1, S601180-ICV1, 1605782-BSD1, 1605782-BS1, 1605782-BLK1, 052-FB-04-05-2016

In sample S602948-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dichlorobenzene (-21.2%)
2,4,5-Trichlorophenol (23.8%)
2,4,6-Trichlorophenol (20.6%)
2,6-Dinitrotoluene (23.4%)
2-Nitroaniline (27.4%)
4-Nitroaniline (26.7%)
4-Nitrophenol (156%)
Indeno (1,2,3-cd) pyrene (25.9%)
Pyridine (-22.7%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2,4-Dinitrophenol (28.2%)
Benzoic acid (24.2%)

This affected the following samples:

1605782-BLK1, 1605782-BS1, 1605782-BSD1

In sample S602994-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

3-Nitroaniline (22.3%)
Benzyl alcohol (-27.0%)
Pyridine (-38.1%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (28.5%)
Benzoic acid (-28.1%)

This affected the following samples:

1606115-BLK1, 1606115-BS1, 1606115-BSD1

In sample S603028-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,4,5-Trichlorophenol (26.3%)
2,4,6-Trichlorophenol (23.7%)
2,6-Dinitrotoluene (23.7%)
2-Nitroaniline (30.7%)

4-Chloro-3-methylphenol (20.3%)
4-Nitroaniline (32.0%)
Butyl benzyl phthalate (20.9%)
Hexachlorocyclopentadiene (28.0%)
Indeno (1,2,3-cd) pyrene (20.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2,4-Dinitrophenol (22.0%)
Benzidine (97.3%)

This affected the following samples:

052-FB-04-05-2016

In sample S603221-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1-Methylnaphthalene (-32.8%)
2,4-Dinitrotoluene (25.2%)
2-Nitroaniline (23.5%)
4-Chloro-3-methylphenol (24.6%)
4-Nitroaniline (20.4%)
Hexachlorocyclopentadiene (31.6%)
Indeno (1,2,3-cd) pyrene (23.6%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (-41.4%)

This affected the following samples:

043-DUP4, 044-TB-A (4.5-7.5), 045-TB-B (4-6), 046-TB-C (4-6), 047-TB-D (9-12), 048-TB-E (5-7), 049-TB-EE (1-4), 050-TB-F (4-7), TB-L (7-9.5)

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1605782, sample 1605782-BLK1: None found

3-Hexen-2-one in batch 1606115, sample 1606115-BLK1: (Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

C. Surrogates:

All method criteria were met with the following exceptions:
The surrogate recovery of 2,4,6-Tribromophenol is outside of established control limits in S602948-CCV1, S603028-CCV1and S603221-CCV1. Surrogate recoveries are based on sample extraction, however for CCVs the surrogates are directly injected and may result in higher recoveries.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

4-Nitrophenol, Benzoic acid, Pyridine in batch 1605782, samples 1605782-BS1, 1605782-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

In batch 1605782 BS/BSD:

4-Nitrophenol percent recoveries (143/147) are outside individual acceptance criteria (30-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

052-FB-04-05-2016

Benzoic acid percent recoveries (20/22) are outside individual acceptance criteria (30-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

052-FB-04-05-2016

Pyridine percent recoveries (26/35) are outside individual acceptance criteria (40-140), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

052-FB-04-05-2016

In batch 1605782 BSD:

Pyridine RPD 27% (20%) is outside individual acceptance criteria.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

3-Penten-2-one, 4-methyl-, 9-Octadecenamide, (Z)-, Decane, 2,3,5-trimethyl-, Heptadecyl trifluoroacetate, Hexadecane, Tetradecane, 2,2-dimethyl- (02), Undecane, 2,4-dimethyl- (02) in batch 1606115, samples 043-DUP4 (SC19901-01), 044-TB-A (4.5-7.5) (SC19901-03), 045-TB-B (4-6) (SC19901-05), 046-TB-C (4-6) (SC19901-07), 047-TB-D (9-12) (SC19901-11), 048-TB-E (5-7) (SC19901-13), 050-TB-F (4-7) (SC19901-18), TB-L (7-9.5) (SC19901-22): (Tentatively Identified

Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

In batch 1606115, sample 047-TB-D (9-12) (SC19901-11): Elevated Reporting Limits due to the presence of high levels of non-target analytes; sample may not meet client requested reporting limit for this reason.

In batch 1606115, sample 049-TB-EE (1-4) (SC19901-15): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19901

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19901

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8082A.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8082A:

HPS11 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) and DB-5MS column ((30m, 0.53mmID 1.50 df)

HPS12 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) & RTX-CLPesticides2 Column (30m, 0.53mmID, 0.42um df)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605942 from source sample 049-TB-EE (1-4) (SC19901-15).

All method criteria were met.

E. Duplicates:

A duplicate was analyzed.

In batch 1605942 from source sample 050-TB-F (4-7) (SC19901-18).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

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SW846 8082A

QC Summary

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19901

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19901

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8081B.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8081B:

HPS14 details: Agilent 6890 RTX-CLPesticides 2 column (30m, 0.53mmID, 0.42um)
RTX-CLP confirmation column (30m, 0.53mmID, 0.5um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605996 from source sample TB-L (7-9.5) (SC19901-22).

All method criteria were met.

E. Duplicates:

A duplicate was analyzed.

In batch 1605996 from source sample 049-TB-EE (1-4) (SC19901-15).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

In batch 1605996, sample 047-TB-D (9-12) (SC19901-11): The Reporting Limit has been raised to account for matrix interference.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19901

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19901

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 6010C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3005A.

Soil/Sediment samples were prepared according to SW846 3050B.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 6010C:

ICAP details: Thermo ICAP 6000 series CETAC Autosampler

ICAP4 details: Thermo ICAP 6000 series CETAC Autosampler

All sample data within this SDG was generated after ICP-AES interelement corrections and background corrections were applied.

Samples are diluted when concentrations exceed the highest calibration standard in the associated curve, therefore Linear Ranges are not performed.

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

Copper in sequence S603439, sample S603439-CCV5: CCV5 was rerun as CCV6, which passed within method limits.

Copper in sequence S603439, sample S603439-CCV7: CCV7 was rerun as CCV8, which passed within method limits.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

Beryllium in batch 1606204, sample 1606204-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1606202 from source sample 050-TB-F (4-7) (SC19901-18).

In batch 1606204 from source sample 052-FB-04-05-2016 (SC19901-23).

In batch 1606479 from source sample 050-TB-F (4-7) (SC19901-18).

In batch 1606504 from source sample 052-FB-04-05-2016 (SC19901-23).

All method criteria were met with the following exceptions:

Iron in batch 1606202, lab sample 1606202-MS1 from source sample 050-TB-F (4-7) (SC19901-18): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Antimony, Cadmium, Cobalt, Lead, Nickel, Potassium, Silver in batch 1606202, lab sample 1606202-MS1 from source sample 050-TB-F (4-7) (SC19901-18): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Silver in batch 1606202, lab sample 1606202-MSD1 from source sample 050-TB-F (4-7) (SC19901-18): RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Calcium, Iron, Magnesium in batch 1606202, lab sample 1606202-MSD1 from source sample 050-TB-F (4-7) (SC19901-18): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Antimony, Potassium in batch 1606202, lab sample 1606202-MSD1 from source sample 050-TB-F (4-7) (SC19901-18): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Aluminum in batch 1606479, lab sample 1606479-MS1 from source sample 050-TB-F (4-7) (SC19901-18): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum in batch 1606479, lab sample 1606479-MSD1 from source sample 050-TB-F (4-7) (SC19901-18): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1606202 from source sample 050-TB-F (4-7) (SC19901-18).

In batch 1606204 from source sample 052-FB-04-05-2016 (SC19901-23).

In batch 1606479 from source sample 050-TB-F (4-7) (SC19901-18).

In batch 1606504 from source sample 052-FB-04-05-2016 (SC19901-23).

All method criteria were met with the following exceptions:

Calcium, Iron, Magnesium in batch 1606202, lab sample 1606202-PS1 from source sample 050-TB-F (4-7) (SC19901-18): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Manganese, Zinc in batch 1606202, lab sample 1606202-PS1 from source sample 050-TB-F (4-7) (SC19901-18): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Aluminum in batch 1606479, lab sample 1606479-PS1 from source sample 050-TB-F (4-7) (SC19901-18): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

4. Reference:

All method criteria were met with the following exceptions:

Cadmium, Cobalt in batch 1606202: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

D. Duplicates:

A duplicate was analyzed.

In batch 1606202 from source sample 050-TB-F (4-7) (SC19901-18).

In batch 1606204 from source sample 052-FB-04-05-2016 (SC19901-23).

In batch 1606479 from source sample 050-TB-F (4-7) (SC19901-18).

In batch 1606504 from source sample 052-FB-04-05-2016 (SC19901-23).

All method criteria were met with the following exceptions:

Cadmium in batch 1606202, sample 1606202-DUP1 from source sample 050-TB-F (4-7) (SC19901-18): Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Magnesium in batch 1606202, sample 1606202-DUP1 from source sample 050-TB-F (4-7) (SC19901-18): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Zinc in batch 1606204, sample 1606204-DUP1 from source sample 052-FB-04-05-2016 (SC19901-23): Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

E. Serial Dilutions:

In batch S603439, lab sample S603439-SRD2 from source sample 043-DUP4 (SC19901-01): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Barium (17%), Calcium (18%), Chromium (21%), Cobalt (20%), Copper (16%), Iron (18%), Manganese (21%), Nickel (22%), Potassium (14%), Vanadium (18%)

In batch S603451, lab sample S603451-SRD1 from source sample 043-DUP4 (SC19901-01): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Aluminum (26%)

F. Samples:

All method criteria were met with the following exceptions:

Calcium, Magnesium, Zinc in batch 1606202, samples 043-DUP4 (SC19901-01), 044-TB-A (4.5-7.5) (SC19901-03), 045-TB-B (4-6) (SC19901-05), 047-TB-D (9-12) (SC19901-11), 048-TB-E (5-7) (SC19901-13), 049-TB-EE (1-4) (SC19901-15), 050-TB-F (4-7) (SC19901-18), TB-L (7-9.5) (SC19901-22): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19901

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19901

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 245.1/7470A, SW846 7471B.

IV. PREPARATION

Aqueous samples were prepared according to EPA200/SW7000 Series.

Soil/Sediment samples were prepared according to EPA200/SW7000 Series.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 245.1/7470A, SW846 7471B:

Mercury4 details: Leeman Labs Hydra IIAA Mercury Analyzer

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1606203 from source sample 050-TB-F (4-7) (SC19901-18).

In batch 1606205 from source sample 052-FB-04-05-2016 (SC19901-23).

All method criteria were met.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1606203 from source sample 050-TB-F (4-7) (SC19901-18).

In batch 1606205 from source sample 052-FB-04-05-2016 (SC19901-23).

All method criteria were met with the following exceptions:

Mercury in batch 1606203, lab sample 1606203-PS1 from source sample 050-TB-F (4-7) (SC19901-18): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

4. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1606203 from source sample 050-TB-F (4-7) (SC19901-18).

In batch 1606205 from source sample 052-FB-04-05-2016 (SC19901-23).

All method criteria were met.

E. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19901

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19901

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 335.4 / SW846 9012B, SW846 9012B.

IV. PREPARATION

Aqueous samples were prepared according to General Preparation.

Soil/Sediment samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 335.4 / SW846 9012B, SW846 9012B:

Lachat1 details: Lachat Quikchem 8000

Lachat2 details: Lachat Quikchem 8000

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605969 from source sample 049-TB-EE (1-4) (SC19901-15).

In batch 1606247 from source sample 052-FB-04-05-2016 (SC19901-23).

All method criteria were met.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1605969 from source sample 049-TB-EE (1-4) (SC19901-15).

In batch 1606247 from source sample 052-FB-04-05-2016 (SC19901-23).

All method criteria were met.

E. Samples:

All method criteria were met.

DATA USABILITY SUMMARY REPORT

For

McALPIN - ROCHESTER, NY / 5211S-16
SOIL SAMPLES

Volatiles, Semi-volatiles, Pesticides, PCBs, Metals, Mercury and Cyanides

SDG No: SC19796
Sampling Dates: March 29 & 31, 2016

Submitted to:

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Prepared by:
Environmental Occupational & Public Health Consultants Inc. (EOPHC, Inc.)
Environmental Data Validation Inc (EDV, Inc.)
1326 Orangewood Ave
Pittsburgh, PA 15216
(412) 341-5281

DATA USABILITY SUMMARY REPORT
Volatiles, Semi-volatiles, Pesticide, PCB, Metals & Cyanides
USEPA REGION II

Site: McAlpin SDG #: SC19796

Client: Day Environmental, Inc. Date: June 6, 2016

Laboratory: Spectrum Analytical Reviewer: L. Wright

Sample Identification Table

Client Sample ID	Laboratory ID	Matrix	VOCs	SVOC	Pest/ PCB	Metals/ Mercury	Cyanide
027-TB-Y (0.8)	SC19796-07	Soil			X#		
028-TB-Z (0.6)	SC19796-08	Soil			X#		
029-TB-X (0.8)	SC19796-09	Soil			X#		
030-TB-G (6-8)	SC19796-13	Soil	X	X	X	X	X
031-TB-U (7-9)	SC19796-14	Soil	X	X	X	X	X
032-TB-T (11-12)	SC19796-16	Soil	X	X	X	X	X
033-TB-J (6-7)	SC19796-17	Soil	X	X	X	X	X
034-TB-V (9.5-10.5)	SC19796-18	Soil	X	X	X	X	X
035-TB-K (10-11)	SC19796-19	Soil	X	X	X	X	X

#Pesticide only

The data package contained nine (9) soils. The samples were analyzed via Method SW-846 8260C, 8270D, 8081B, 8082A, 6010C, 7471B and 9012B. The adherence of laboratory analytical performance to this method's analytical specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (DER-10, 11/09). USEPA Region II checklists were used as guidance documents. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, laboratory controls, surrogate recoveries, spike recoveries, and sample data. All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): All criteria were met. The deficiencies noted in the case narrative have been discussed in applicable sections.

Chain of Custody (COC): All were present.

Preservation: Method 5035A collection and preservation was acceptable.

Holding Time: Holding times were within acceptable criterion for all samples and analyses.

Blanks Quality Control: The results were acceptable.

Calibration Quality Control: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19796-13 SC19796-14 SC19796-16	1,2-Dibromo-3-chloropropane Bromoform Dichlorodifluoromethane (Freon12)	UJ

Sample Identification	Compound	Qualifier
SC19796-19	Tetrachloroethene Tetrahydrofuran trans-1,4-Dichloro-2-butene Trichlorofluoromethane (Freon 11)	
SC19796-16 SC19796-17 SC19796-19	Benzyl alcohol N-Nitrosodimethylamine Pentachlorophenol Pyridine	UJ
SC19796-13 SC19796-14 SC19796-18	3-Nitroaniline Benzyl alcohol Pyridine	UJ

Laboratory Control Sample (LCS): For SVOA analyses, benzyl alcohol reported deficiency. However, the compound was already qualified for calibration issues above. No further qualification was warranted or made.

Surrogates: The following were qualified;

Sample Identification	Compound	Qualifier
SC19796-13	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	UJ

Matrix Spike: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19796-13 SC19796-14 SC19796-16 SC19796-17 SC19796-18 SC19796-19	Manganese, nickel, zinc, cobalt, silver	J-
	Potassium, lead	J
	Antimony	UJ

Matrix Duplicate: The results were acceptable.

Serial Dilution: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19796-13 SC19796-14 SC19796-16 SC19796-17 SC19796-18 SC19796-19	Barium, iron	J

Internal Standards: The internal standards did not report any deficiencies and are acceptable.

Field Duplicates: There were no field duplicates presented with this SDG.

Compound Quantitation: The results are acceptable.

Additional Comments: None

Data usability: Data qualified with the "UJ" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "J" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "R" qualifier are not usable due to severe quality control issues. Data qualified with the "U" qualifier are usable as there are no quality control issues.

ATTACHMENT A

FORM 1s

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	1979613.D		
Sampled:	03/31/16 14:55	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 14:17		
% Solids:	92.24	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.95 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	106	40.5	106	U
67-64-1	Acetone	1060	118	1060	U
107-13-1	Acrylonitrile	106	26.1	106	U
71-43-2	Benzene	106	15.9	106	U
108-86-1	Bromobenzene	106	19.5	106	U
74-97-5	Bromochloromethane	106	42.1	106	U
75-27-4	Bromodichloromethane	106	22.0	106	U
75-25-2	Bromoform	106	28.0	106	U J
74-83-9	Bromomethane	213	51.2	213	U
78-93-3	2-Butanone (MEK)	1060	61.9	1060	U
104-51-8	n-Butylbenzene	2390	15.9	106	
135-98-8	sec-Butylbenzene	2050	24.0	106	
98-06-6	tert-Butylbenzene	197	44.8	106	
75-15-0	Carbon disulfide	213	28.3	213	U
56-23-5	Carbon tetrachloride	106	23.2	106	U
108-90-7	Chlorobenzene	106	15.1	106	U
75-00-3	Chloroethane	213	36.9	213	U
67-66-3	Chloroform	106	35.2	106	U
74-87-3	Chloromethane	213	29.6	213	U
95-49-8	2-Chlorotoluene	106	27.7	106	U
106-43-4	4-Chlorotoluene	106	20.8	106	U
96-12-8	1,2-Dibromo-3-chloropropane	213	78.7	213	U J
124-48-1	Dibromochloromethane	106	21.8	106	U
106-93-4	1,2-Dibromoethane (EDB)	106	21.3	106	U
74-95-3	Dibromomethane	106	29.8	106	U
95-50-1	1,2-Dichlorobenzene	106	17.2	106	U
541-73-1	1,3-Dichlorobenzene	106	17.1	106	U
106-46-7	1,4-Dichlorobenzene	106	19.5	106	U
75-71-8	Dichlorodifluoromethane (Freon12)	213	31.4	213	U J
75-34-3	1,1-Dichloroethane	106	33.6	106	U
107-06-2	1,2-Dichloroethane	106	25.9	106	U
75-35-4	1,1-Dichloroethene	106	33.0	106	U
156-59-2	cis-1,2-Dichloroethene	106	39.2	106	U
156-60-5	trans-1,2-Dichloroethene	106	45.8	106	U
78-87-5	1,2-Dichloropropane	106	36.9	106	U
142-28-9	1,3-Dichloropropane	106	20.9	106	U
594-20-7	2,2-Dichloropropane	106	50.3	106	U
563-58-6	1,1-Dichloropropene	106	26.5	106	U
10061-01-5	cis-1,3-Dichloropropene	106	20.2	106	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	1979613.D		
Sampled:	03/31/16 14:55	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 14:17		
% Solids:	92.24	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.95 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	106	35.9	106	U
100-41-4	Ethylbenzene	106	18.7	106	U
87-68-3	Hexachlorobutadiene	106	20.9	106	U
591-78-6	2-Hexanone (MBK)	1060	71.8	1060	U
98-82-8	Isopropylbenzene	564	20.2	106	
99-87-6	4-Isopropyltoluene	608	13.4	106	
1634-04-4	Methyl tert-butyl ether	106	23.1	106	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1060	51.6	1060	U
75-09-2	Methylene chloride	213	31.0	213	U
91-20-3	Naphthalene	2910	59.1	106	
103-65-1	n-Propylbenzene	1190	16.1	106	
100-42-5	Styrene	106	18.3	106	U
630-20-6	1,1,1,2-Tetrachloroethane	106	13.2	106	U
79-34-5	1,1,2,2-Tetrachloroethane	106	57.9	106	U
127-18-4	Tetrachloroethene	106	40.6	106	U J
108-88-3	Toluene	106	24.5	106	U
87-61-6	1,2,3-Trichlorobenzene	106	60.9	106	U
120-82-1	1,2,4-Trichlorobenzene	106	34.4	106	U
71-55-6	1,1,1-Trichloroethane	106	27.5	106	U
108-70-3	1,3,5-Trichlorobenzene	106	21.0	106	U
79-00-5	1,1,2-Trichloroethane	106	20.6	106	U
79-01-6	Trichloroethene	106	16.3	106	U
75-69-4	Trichlorofluoromethane (Freon 11)	106	38.4	106	J U
96-18-4	1,2,3-Trichloropropane	106	33.8	106	U
95-63-6	1,2,4-Trimethylbenzene	23.4	15.1	106	J
108-67-8	1,3,5-Trimethylbenzene	106	13.5	106	U
75-01-4	Vinyl chloride	106	40.5	106	U
179601-23-1	m,p-Xylene	213	21.0	213	U
95-47-6	o-Xylene	106	22.7	106	U
109-99-9	Tetrahydrofuran	213	114	213	U J
60-29-7	Ethyl ether	106	24.6	106	U
994-05-8	Tert-amyl methyl ether	106	40.6	106	U
637-92-3	Ethyl tert-butyl ether	106	41.1	106	U
108-20-3	Di-isopropyl ether	106	15.7	106	U
75-65-0	Tert-Butanol / butyl alcohol	1060	450	1060	U
110-57-6	trans-1,4-Dichloro-2-butene	532	138	532	U J
64-17-5	Ethanol	42600	2460	42600	U
110-82-7	Cyclohexane	532	24.7	532	U
1330-20-7	Total Xylenes	106	21.0	106	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	1979613.D		
Sampled:	03/31/16 14:55	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 14:17		
% Solids:	92.24	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.95 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	532	43.1	532	U
108-87-2	Methylcyclohexane	179	25.2	532	J
123-91-1	1,4-Dioxane	2130	1170	2130	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	1979613.D		
Sampled:	03/31/16 14:55	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 14:17		
% Solids:	92.24	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.95 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
001685-82-1	1H-Indene, 2,3-dihydro-4,6-...	12.997	6700	JN
	3-Phenylbut-1-ene	11.917	9500	JN
488-23-3	Benzene, 1,2,3,4-tetramethyl-	11.56	17000	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	11.986	11000	JN
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	11.093	8200	JN
000119-64-2	Naphthalene, 1,2,3,4-tetrah...	11.722	7400	JN
91-57-6	Naphthalene, 2-methyl-	13.801	7000	JN

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	1979614.D
Sampled:	03/31/16 15:30	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 14:46
% Solids:	90.44	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	6.41 g / 15 ml
Batch:	1605839	Sequence:	S602834	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	135	51.2	135	U
67-64-1	Acetone	1350	149	1350	U
107-13-1	Acrylonitrile	135	33.0	135	U
71-43-2	Benzene	135	20.1	135	U
108-86-1	Bromobenzene	135	24.6	135	U
74-97-5	Bromochloromethane	135	53.2	135	U
75-27-4	Bromodichloromethane	135	27.9	135	U
75-25-2	Bromoform	135	35.4	135	U J
74-83-9	Bromomethane	269	64.8	269	U
78-93-3	2-Butanone (MEK)	1350	78.2	1350	U
104-51-8	n-Butylbenzene	693	20.1	135	
135-98-8	sec-Butylbenzene	723	30.3	135	
98-06-6	tert-Butylbenzene	83.5	56.7	135	J
75-15-0	Carbon disulfide	269	35.8	269	U
56-23-5	Carbon tetrachloride	135	29.4	135	U
108-90-7	Chlorobenzene	135	19.1	135	U
75-00-3	Chloroethane	269	46.7	269	U
67-66-3	Chloroform	135	44.6	135	U
74-87-3	Chloromethane	269	37.4	269	U
95-49-8	2-Chlorotoluene	135	35.0	135	U
106-43-4	4-Chlorotoluene	135	26.3	135	U
96-12-8	1,2-Dibromo-3-chloropropane	269	99.5	269	U J
124-48-1	Dibromochloromethane	135	27.6	135	U
106-93-4	1,2-Dibromoethane (EDB)	135	26.9	135	U
74-95-3	Dibromomethane	135	37.7	135	U
95-50-1	1,2-Dichlorobenzene	135	21.8	135	U
541-73-1	1,3-Dichlorobenzene	135	21.7	135	U
106-46-7	1,4-Dichlorobenzene	135	24.6	135	U
75-71-8	Dichlorodifluoromethane (Freon12)	269	39.7	269	U J
75-34-3	1,1-Dichloroethane	135	42.5	135	U
107-06-2	1,2-Dichloroethane	135	32.7	135	U
75-35-4	1,1-Dichloroethene	135	41.7	135	U
156-59-2	cis-1,2-Dichloroethene	135	49.6	135	U
156-60-5	trans-1,2-Dichloroethene	135	57.9	135	U
78-87-5	1,2-Dichloropropane	135	46.7	135	U
142-28-9	1,3-Dichloropropane	135	26.4	135	U
594-20-7	2,2-Dichloropropane	135	63.6	135	U
563-58-6	1,1-Dichloropropene	135	33.5	135	U
10061-01-5	cis-1,3-Dichloropropene	135	25.6	135	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	1979614.D		
Sampled:	03/31/16 15:30	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 14:46		
% Solids:	90.44	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	6.41 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	135	45.4	135	U
100-41-4	Ethylbenzene	135	23.7	135	U
87-68-3	Hexachlorobutadiene	135	26.4	135	U
591-78-6	2-Hexanone (MBK)	1350	90.8	1350	U
98-82-8	Isopropylbenzene	163	25.6	135	
99-87-6	4-Isopropyltoluene	59.2	17.0	135	J
1634-04-4	Methyl tert-butyl ether	135	29.2	135	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1350	65.3	1350	U
75-09-2	Methylene chloride	269	39.2	269	U
91-20-3	Naphthalene	135	74.7	135	U
103-65-1	n-Propylbenzene	304	20.3	135	
100-42-5	Styrene	135	23.2	135	U
630-20-6	1,1,1,2-Tetrachloroethane	135	16.7	135	U
79-34-5	1,1,2,2-Tetrachloroethane	135	73.2	135	U
127-18-4	Tetrachloroethene	135	51.3	135	U J
108-88-3	Toluene	135	31.0	135	U
87-61-6	1,2,3-Trichlorobenzene	135	77.0	135	U
120-82-1	1,2,4-Trichlorobenzene	135	43.5	135	U
71-55-6	1,1,1-Trichloroethane	135	34.7	135	U
108-70-3	1,3,5-Trichlorobenzene	135	26.5	135	U
79-00-5	1,1,2-Trichloroethane	135	26.0	135	U
79-01-6	Trichloroethene	135	20.6	135	U
75-69-4	Trichlorofluoromethane (Freon 11)	135	48.6	135	J U
96-18-4	1,2,3-Trichloropropane	135	42.7	135	U
95-63-6	1,2,4-Trimethylbenzene	135	19.1	135	U
108-67-8	1,3,5-Trimethylbenzene	135	17.1	135	U
75-01-4	Vinyl chloride	135	51.2	135	U
179601-23-1	m,p-Xylene	269	26.5	269	U
95-47-6	o-Xylene	135	28.7	135	U
109-99-9	Tetrahydrofuran	269	144	269	U J
60-29-7	Ethyl ether	135	31.1	135	U
994-05-8	Tert-amyl methyl ether	135	51.3	135	U
637-92-3	Ethyl tert-butyl ether	135	52.0	135	U
108-20-3	Di-isopropyl ether	135	19.8	135	U
75-65-0	Tert-Butanol / butyl alcohol	1350	569	1350	U
110-57-6	trans-1,4-Dichloro-2-butene	673	175	673	U J
64-17-5	Ethanol	53900	3110	53900	U
110-82-7	Cyclohexane	673	31.2	673	U
1330-20-7	Total Xylenes	135	26.5	135	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	1979614.D		
Sampled:	03/31/16 15:30	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 14:46		
% Solids:	90.44	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	6.41 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	673	54.5	673	U
108-87-2	Methylcyclohexane	230	31.9	673	J
123-91-1	1,4-Dioxane	2690	1490	2690	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	1979614.D		
Sampled:	03/31/16 15:30	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 14:46		
% Solids:	90.44	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	6.41 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
001685-82-1	1H-Indene, 2,3-dihydro-4,6-...	12.997	4100	JN
488-23-3	Benzene, 1,2,3,4-tetramethyl-	11.56	4400	JN
003877-19-8	Naphthalene, 1,2,3,4-tetrah... (01)	12.636	5200	JN
003877-19-8	Naphthalene, 1,2,3,4-tetrah... (02)	13.683	6200	JN
91-57-6	Naphthalene, 2-methyl-	13.801	5200	JN
493-02-7	Naphthalene, decahydro-, tr...	10.8	4500	JN
002958-76-1	Naphthalene, decahydro-2-me...	11.661	3800	JN

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	1979616.D		
Sampled:	03/31/16 16:30	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 15:15		
% Solids:	92.03	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.09 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	105	39.9	105	U
67-64-1	Acetone	1050	116	1050	U
107-13-1	Acrylonitrile	105	25.7	105	U
71-43-2	Benzene	105	15.7	105	U
108-86-1	Bromobenzene	105	19.2	105	U
74-97-5	Bromochloromethane	105	41.5	105	U
75-27-4	Bromodichloromethane	105	21.7	105	U
75-25-2	Bromoform	105	27.6	105	U
74-83-9	Bromomethane	210	50.5	210	U
78-93-3	2-Butanone (MEK)	1050	61.0	1050	U
104-51-8	n-Butylbenzene	395	15.7	105	
135-98-8	sec-Butylbenzene	1040	23.6	105	
98-06-6	tert-Butylbenzene	117	44.2	105	
75-15-0	Carbon disulfide	210	27.9	210	U
56-23-5	Carbon tetrachloride	105	22.9	105	U
108-90-7	Chlorobenzene	105	14.9	105	U
75-00-3	Chloroethane	210	36.5	210	U
67-66-3	Chloroform	105	34.8	105	U
74-87-3	Chloromethane	210	29.2	210	U
95-49-8	2-Chlorotoluene	105	27.3	105	U
106-43-4	4-Chlorotoluene	105	20.5	105	U
96-12-8	1,2-Dibromo-3-chloropropane	210	77.6	210	U
124-48-1	Dibromochloromethane	105	21.5	105	U
106-93-4	1,2-Dibromoethane (EDB)	105	21.0	105	U
74-95-3	Dibromomethane	105	29.4	105	U
95-50-1	1,2-Dichlorobenzene	105	17.0	105	U
541-73-1	1,3-Dichlorobenzene	105	16.9	105	U
106-46-7	1,4-Dichlorobenzene	41.0	19.2	105	J
75-71-8	Dichlorodifluoromethane (Freon12)	210	31.0	210	U
75-34-3	1,1-Dichloroethane	105	33.2	105	U
107-06-2	1,2-Dichloroethane	105	25.5	105	U
75-35-4	1,1-Dichloroethene	105	32.6	105	U
156-59-2	cis-1,2-Dichloroethene	105	38.7	105	U
156-60-5	trans-1,2-Dichloroethene	105	45.2	105	U
78-87-5	1,2-Dichloropropane	105	36.5	105	U
142-28-9	1,3-Dichloropropane	105	20.6	105	U
594-20-7	2,2-Dichloropropane	105	49.6	105	U
563-58-6	1,1-Dichloropropene	105	26.2	105	U
10061-01-5	cis-1,3-Dichloropropene	105	20.0	105	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	1979616.D
Sampled:	03/31/16 16:30	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 15:15
% Solids:	92.03	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.09 g / 15 ml
Batch:	1605839	Sequence:	S602834	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	105	35.4	105	U
100-41-4	Ethylbenzene	105	18.5	105	U
87-68-3	Hexachlorobutadiene	105	20.6	105	U
591-78-6	2-Hexanone (MBK)	1050	70.8	1050	U
98-82-8	Isopropylbenzene	36.8	20.0	105	J
99-87-6	4-Isopropyltoluene	21.0	13.2	105	J
1634-04-4	Methyl tert-butyl ether	105	22.8	105	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1050	51.0	1050	U
75-09-2	Methylene chloride	210	30.6	210	U
91-20-3	Naphthalene	105	58.3	105	U
103-65-1	n-Propylbenzene	44.1	15.9	105	J
100-42-5	Styrene	105	18.1	105	U
630-20-6	1,1,1,2-Tetrachloroethane	105	13.0	105	U
79-34-5	1,1,2,2-Tetrachloroethane	105	57.2	105	U
127-18-4	Tetrachloroethene	105	40.0	105	U J
108-88-3	Toluene	105	24.2	105	U
87-61-6	1,2,3-Trichlorobenzene	105	60.1	105	U
120-82-1	1,2,4-Trichlorobenzene	105	33.9	105	U
71-55-6	1,1,1-Trichloroethane	105	27.1	105	U
108-70-3	1,3,5-Trichlorobenzene	105	20.7	105	U
79-00-5	1,1,2-Trichloroethane	105	20.3	105	U
79-01-6	Trichloroethene	105	16.1	105	U
75-69-4	Trichlorofluoromethane (Freon 11)	105	37.9	105	U J
96-18-4	1,2,3-Trichloropropane	105	33.3	105	U
95-63-6	1,2,4-Trimethylbenzene	105	14.9	105	U
108-67-8	1,3,5-Trimethylbenzene	105	13.3	105	U
75-01-4	Vinyl chloride	105	39.9	105	U
179601-23-1	m,p-Xylene	210	20.7	210	U
95-47-6	o-Xylene	105	22.4	105	U
109-99-9	Tetrahydrofuran	210	113	210	U J
60-29-7	Ethyl ether	105	24.3	105	U
994-05-8	Tert-amyl methyl ether	105	40.0	105	U
637-92-3	Ethyl tert-butyl ether	105	40.6	105	U
108-20-3	Di-isopropyl ether	105	15.4	105	U
75-65-0	Tert-Butanol / butyl alcohol	1050	444	1050	U
110-57-6	trans-1,4-Dichloro-2-butene	525	136	525	U J
64-17-5	Ethanol	42000	2420	42000	U
110-82-7	Cyclohexane	525	24.4	525	U
1330-20-7	Total Xylenes	105	20.7	105	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	1979616.D		
Sampled:	03/31/16 16:30	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 15:15		
% Solids:	92.03	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.09 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	525	42.6	525	U
108-87-2	Methylcyclohexane	270	24.9	525	J
123-91-1	1,4-Dioxane	2100	1160	2100	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	1979616.D		
Sampled:	03/31/16 16:30	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 15:15		
% Solids:	92.03	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.09 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
001129-29-9	Benzene, 1-(1-methylethenyl...	13.679	4000	JN
000099-87-6	Benzene, 1-methyl-4-(1-meth...	11.58	5500	JN
000091-17-8	Naphthalene, decahydro-	10.796	5300	JN
1000152-47-3	trans-Decalin, 2-methyl-	11.661	3800	JN

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	1979617.D		
Sampled:	03/31/16 17:30	Prepared:	04/07/16 11:13	Analyzed:	04/07/16 12:27		
% Solids:	93.84	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	5.71 g / 5 ml		
Batch:	1605763	Sequence:	S602799	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5.0	1.9	5.0	U
67-64-1	Acetone	49.9	5.5	49.9	U
107-13-1	Acrylonitrile	5.0	1.2	5.0	U
71-43-2	Benzene	5.0	0.7	5.0	U
108-86-1	Bromobenzene	5.0	0.9	5.0	U
74-97-5	Bromochloromethane	5.0	2.0	5.0	U
75-27-4	Bromodichloromethane	5.0	1.0	5.0	U
75-25-2	Bromoform	5.0	1.3	5.0	U
74-83-9	Bromomethane	10.0	2.4	10.0	U
78-93-3	2-Butanone (MEK)	49.9	2.9	49.9	U
104-51-8	n-Butylbenzene	5.0	0.7	5.0	U
135-98-8	sec-Butylbenzene	5.0	1.1	5.0	U
98-06-6	tert-Butylbenzene	5.0	2.1	5.0	U
75-15-0	Carbon disulfide	10.0	1.3	10.0	U
56-23-5	Carbon tetrachloride	5.0	1.1	5.0	U
108-90-7	Chlorobenzene	5.0	0.7	5.0	U
75-00-3	Chloroethane	10.0	1.7	10.0	U
67-66-3	Chloroform	5.0	1.7	5.0	U
74-87-3	Chloromethane	10.0	1.4	10.0	U
95-49-8	2-Chlorotoluene	5.0	1.3	5.0	U
106-43-4	4-Chlorotoluene	5.0	1.0	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	10.0	3.7	10.0	U
124-48-1	Dibromochloromethane	5.0	1.0	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	5.0	1.0	5.0	U
74-95-3	Dibromomethane	5.0	1.4	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	0.8	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	0.8	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	0.9	5.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	10.0	1.5	10.0	U
75-34-3	1,1-Dichloroethane	5.0	1.6	5.0	U
107-06-2	1,2-Dichloroethane	5.0	1.2	5.0	U
75-35-4	1,1-Dichloroethene	5.0	1.5	5.0	U
156-59-2	cis-1,2-Dichloroethene	3.9	1.8	5.0	J
156-60-5	trans-1,2-Dichloroethene	5.0	2.1	5.0	U
78-87-5	1,2-Dichloropropane	5.0	1.7	5.0	U
142-28-9	1,3-Dichloropropane	5.0	1.0	5.0	U
594-20-7	2,2-Dichloropropane	5.0	2.4	5.0	U
563-58-6	1,1-Dichloropropene	5.0	1.2	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	0.9	5.0	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	1979617.D		
Sampled:	03/31/16 17:30	Prepared:	04/07/16 11:13	Analyzed:	04/07/16 12:27		
% Solids:	93.84	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	5.71 g / 5 ml		
Batch:	1605763	Sequence:	S602799	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	5.0	1.7	5.0	U
100-41-4	Ethylbenzene	5.0	0.9	5.0	U
87-68-3	Hexachlorobutadiene	5.0	1.0	5.0	U
591-78-6	2-Hexanone (MBK)	49.9	3.4	49.9	U
98-82-8	Isopropylbenzene	5.0	0.9	5.0	U
99-87-6	4-Isopropyltoluene	5.0	0.6	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	1.1	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	49.9	2.4	49.9	U
75-09-2	Methylene chloride	10.0	1.5	10.0	U
91-20-3	Naphthalene	5.0	2.8	5.0	U
103-65-1	n-Propylbenzene	5.0	0.8	5.0	U
100-42-5	Styrene	5.0	0.9	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	0.6	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	2.7	5.0	U
127-18-4	Tetrachloroethene	5.0	1.9	5.0	U
108-88-3	Toluene	5.0	1.1	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	2.9	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	1.6	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	1.3	5.0	U
108-70-3	1,3,5-Trichlorobenzene	5.0	1.0	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	1.0	5.0	U
79-01-6	Trichloroethene	23.8	0.8	5.0	
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	1.8	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	1.6	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	0.7	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	0.6	5.0	U
75-01-4	Vinyl chloride	5.0	1.9	5.0	U
179601-23-1	m,p-Xylene	10.0	1.0	10.0	U
95-47-6	o-Xylene	5.0	1.1	5.0	U
109-99-9	Tetrahydrofuran	10.0	5.4	10.0	U
60-29-7	Ethyl ether	5.0	1.2	5.0	U
994-05-8	Tert-amyl methyl ether	5.0	1.9	5.0	U
637-92-3	Ethyl tert-butyl ether	5.0	1.9	5.0	U
108-20-3	Di-isopropyl ether	5.0	0.7	5.0	U
75-65-0	Tert-Butanol / butyl alcohol	49.9	21.1	49.9	U
110-57-6	trans-1,4-Dichloro-2-butene	25.0	6.5	25.0	U
110-82-7	Cyclohexane	25.0	1.2	25.0	U
1330-20-7	Total Xylenes	5.0	1.0	5.0	U
79-20-9	Methyl acetate	25.0	2.0	25.0	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	1979617.D		
Sampled:	03/31/16 17:30	Prepared:	04/07/16 11:13	Analyzed:	04/07/16 12:27		
% Solids:	93.84	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	5.71 g / 5 ml		
Batch:	1605763	Sequence:	S602799	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	25.0	1.2	25.0	U
123-91-1	1,4-Dioxane	99.9	55.1	99.9	U
64-17-5	Ethanol	2000	115	2000	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	1979617.D
Sampled:	03/31/16 17:30	Prepared:	04/07/16 11:13	Analyzed:	04/07/16 12:27
% Solids:	93.84	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	5.71 g / 5 ml
Batch:	1605763	Sequence:	S602799	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	1979618.D		
Sampled:	03/31/16 18:10	Prepared:	04/07/16 11:13	Analyzed:	04/07/16 12:56		
% Solids:	90.76	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.67 g / 5 ml		
Batch:	1605763	Sequence:	S602799	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.1	1.6	4.1	U
67-64-1	Acetone	41.0	4.5	41.0	U
107-13-1	Acrylonitrile	4.1	1.0	4.1	U
71-43-2	Benzene	4.1	0.6	4.1	U
108-86-1	Bromobenzene	4.1	0.8	4.1	U
74-97-5	Bromochloromethane	4.1	1.6	4.1	U
75-27-4	Bromodichloromethane	4.1	0.8	4.1	U
75-25-2	Bromoform	4.1	1.1	4.1	U
74-83-9	Bromomethane	8.2	2.0	8.2	U
78-93-3	2-Butanone (MEK)	41.0	2.4	41.0	U
104-51-8	n-Butylbenzene	4.1	0.6	4.1	U
135-98-8	sec-Butylbenzene	5.0	0.9	4.1	
98-06-6	tert-Butylbenzene	4.1	1.7	4.1	U
75-15-0	Carbon disulfide	2.5	1.1	8.2	J
56-23-5	Carbon tetrachloride	4.1	0.9	4.1	U
108-90-7	Chlorobenzene	4.1	0.6	4.1	U
75-00-3	Chloroethane	8.2	1.4	8.2	U
67-66-3	Chloroform	4.1	1.4	4.1	U
74-87-3	Chloromethane	8.2	1.1	8.2	U
95-49-8	2-Chlorotoluene	4.1	1.1	4.1	U
106-43-4	4-Chlorotoluene	4.1	0.8	4.1	U
96-12-8	1,2-Dibromo-3-chloropropane	8.2	3.0	8.2	U
124-48-1	Dibromochloromethane	4.1	0.8	4.1	U
106-93-4	1,2-Dibromoethane (EDB)	4.1	0.8	4.1	U
74-95-3	Dibromomethane	4.1	1.1	4.1	U
95-50-1	1,2-Dichlorobenzene	4.1	0.7	4.1	U
541-73-1	1,3-Dichlorobenzene	4.1	0.7	4.1	U
106-46-7	1,4-Dichlorobenzene	4.1	0.8	4.1	U
75-71-8	Dichlorodifluoromethane (Freon12)	8.2	1.2	8.2	U
75-34-3	1,1-Dichloroethane	4.1	1.3	4.1	U
107-06-2	1,2-Dichloroethane	4.1	1.0	4.1	U
75-35-4	1,1-Dichloroethene	4.1	1.3	4.1	U
156-59-2	cis-1,2-Dichloroethene	7.9	1.5	4.1	
156-60-5	trans-1,2-Dichloroethene	4.1	1.8	4.1	U
78-87-5	1,2-Dichloropropane	4.1	1.4	4.1	U
142-28-9	1,3-Dichloropropane	4.1	0.8	4.1	U
594-20-7	2,2-Dichloropropane	4.1	1.9	4.1	U
563-58-6	1,1-Dichloropropene	4.1	1.0	4.1	U
10061-01-5	cis-1,3-Dichloropropene	4.1	0.8	4.1	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	1979618.D		
Sampled:	03/31/16 18:10	Prepared:	04/07/16 11:13	Analyzed:	04/07/16 12:56		
% Solids:	90.76	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.67 g / 5 ml		
Batch:	1605763	Sequence:	S602799	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.1	1.4	4.1	U
100-41-4	Ethylbenzene	4.1	0.7	4.1	U
87-68-3	Hexachlorobutadiene	4.1	0.8	4.1	U
591-78-6	2-Hexanone (MBK)	41.0	2.8	41.0	U
98-82-8	Isopropylbenzene	4.1	0.8	4.1	U
99-87-6	4-Isopropyltoluene	4.1	0.5	4.1	U
1634-04-4	Methyl tert-butyl ether	4.1	0.9	4.1	U
108-10-1	4-Methyl-2-pentanone (MIBK)	41.0	2.0	41.0	U
75-09-2	Methylene chloride	8.2	1.2	8.2	U
91-20-3	Naphthalene	4.1	2.3	4.1	U
103-65-1	n-Propylbenzene	4.1	0.6	4.1	U
100-42-5	Styrene	4.1	0.7	4.1	U
630-20-6	1,1,1,2-Tetrachloroethane	4.1	0.5	4.1	U
79-34-5	1,1,2,2-Tetrachloroethane	4.1	2.2	4.1	U
127-18-4	Tetrachloroethene	4.1	1.6	4.1	U
108-88-3	Toluene	4.1	0.9	4.1	U
87-61-6	1,2,3-Trichlorobenzene	4.1	2.3	4.1	U
120-82-1	1,2,4-Trichlorobenzene	4.1	1.3	4.1	U
71-55-6	1,1,1-Trichloroethane	4.1	1.1	4.1	U
108-70-3	1,3,5-Trichlorobenzene	4.1	0.8	4.1	U
79-00-5	1,1,2-Trichloroethane	4.1	0.8	4.1	U
79-01-6	Trichloroethene	5.9	0.6	4.1	
75-69-4	Trichlorofluoromethane (Freon 11)	4.1	1.5	4.1	U
96-18-4	1,2,3-Trichloropropane	4.1	1.3	4.1	U
95-63-6	1,2,4-Trimethylbenzene	4.1	0.6	4.1	U
108-67-8	1,3,5-Trimethylbenzene	4.1	0.5	4.1	U
75-01-4	Vinyl chloride	4.1	1.6	4.1	U
179601-23-1	m,p-Xylene	8.2	0.8	8.2	U
95-47-6	o-Xylene	4.1	0.9	4.1	U
109-99-9	Tetrahydrofuran	8.2	4.4	8.2	U
60-29-7	Ethyl ether	4.1	0.9	4.1	U
994-05-8	Tert-amyl methyl ether	4.1	1.6	4.1	U
637-92-3	Ethyl tert-butyl ether	4.1	1.6	4.1	U
108-20-3	Di-isopropyl ether	4.1	0.6	4.1	U
75-65-0	Tert-Butanol / butyl alcohol	41.0	17.3	41.0	U
110-57-6	trans-1,4-Dichloro-2-butene	20.5	5.3	20.5	U
110-82-7	Cyclohexane	20.5	1.0	20.5	U
1330-20-7	Total Xylenes	4.1	0.8	4.1	U
79-20-9	Methyl acetate	20.5	1.7	20.5	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	1979618.D		
Sampled:	03/31/16 18:10	Prepared:	04/07/16 11:13	Analyzed:	04/07/16 12:56		
% Solids:	90.76	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.67 g / 5 ml		
Batch:	1605763	Sequence:	S602799	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	20.5	1.0	20.5	U
123-91-1	1,4-Dioxane	82.0	45.2	82.0	U
64-17-5	Ethanol	1640	94.6	1640	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	1979618.D
Sampled:	03/31/16 18:10	Prepared:	04/07/16 11:13	Analyzed:	04/07/16 12:56
% Solids:	90.76	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.67 g / 5 ml
Batch:	1605763	Sequence:	S602799	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
054676-39-0	Cyclohexane, 2-butyl-1,1,3-...	10.956	74	JN
6044-71-9	Dodecane, 6-methyl-	10.667	230	JN
000091-17-8	Naphthalene, decahydro-	9.566	74	JN
002958-76-1	Naphthalene, decahydro-2-me...	10.222	110	JN
1000152-47-3	trans-Decalin, 2-methyl-	10.075	120	JN

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	1979619.D		
Sampled:	03/31/16 19:45	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 15:44		
% Solids:	90.79	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.32 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	118	44.8	118	U
67-64-1	Acetone	1180	131	1180	U
107-13-1	Acrylonitrile	118	28.9	118	U
71-43-2	Benzene	118	17.6	118	U
108-86-1	Bromobenzene	118	21.6	118	U
74-97-5	Bromochloromethane	118	46.6	118	U
75-27-4	Bromodichloromethane	118	24.4	118	U
75-25-2	Bromoform	118	31.0	118	U J
74-83-9	Bromomethane	236	56.7	236	U
78-93-3	2-Butanone (MEK)	1180	68.5	1180	U
104-51-8	n-Butylbenzene	761	17.6	118	
135-98-8	sec-Butylbenzene	827	26.5	118	
98-06-6	tert-Butylbenzene	77.8	49.6	118	J
75-15-0	Carbon disulfide	236	31.4	236	U
56-23-5	Carbon tetrachloride	118	25.7	118	U
108-90-7	Chlorobenzene	118	16.7	118	U
75-00-3	Chloroethane	236	40.9	236	U
67-66-3	Chloroform	118	39.0	118	U
74-87-3	Chloromethane	236	32.8	236	U
95-49-8	2-Chlorotoluene	118	30.7	118	U
106-43-4	4-Chlorotoluene	118	23.0	118	U
96-12-8	1,2-Dibromo-3-chloropropane	236	87.2	236	U J
124-48-1	Dibromochloromethane	118	24.2	118	U
106-93-4	1,2-Dibromoethane (EDB)	118	23.6	118	U
74-95-3	Dibromomethane	118	33.0	118	U
95-50-1	1,2-Dichlorobenzene	118	19.1	118	U
541-73-1	1,3-Dichlorobenzene	118	19.0	118	U
106-46-7	1,4-Dichlorobenzene	118	21.6	118	U
75-71-8	Dichlorodifluoromethane (Freon12)	236	34.8	236	U J
75-34-3	1,1-Dichloroethane	118	37.3	118	U
107-06-2	1,2-Dichloroethane	118	28.7	118	U
75-35-4	1,1-Dichloroethene	118	36.6	118	U
156-59-2	cis-1,2-Dichloroethene	118	43.4	118	U
156-60-5	trans-1,2-Dichloroethene	118	50.7	118	U
78-87-5	1,2-Dichloropropane	118	40.9	118	U
142-28-9	1,3-Dichloropropane	118	23.1	118	U
594-20-7	2,2-Dichloropropane	118	55.7	118	U
563-58-6	1,1-Dichloropropene	118	29.4	118	U
10061-01-5	cis-1,3-Dichloropropene	118	22.4	118	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	1979619.D		
Sampled:	03/31/16 19:45	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 15:44		
% Solids:	90.79	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.32 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	118	39.7	118	U
100-41-4	Ethylbenzene	118	20.8	118	U
87-68-3	Hexachlorobutadiene	118	23.1	118	U
591-78-6	2-Hexanone (MBK)	1180	79.5	1180	U
98-82-8	Isopropylbenzene	84.9	22.4	118	J
99-87-6	4-Isopropyltoluene	108	14.9	118	J
1634-04-4	Methyl tert-butyl ether	118	25.6	118	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1180	57.2	1180	U
75-09-2	Methylene chloride	236	34.3	236	U
91-20-3	Naphthalene	118	65.5	118	U
103-65-1	n-Propylbenzene	100	17.8	118	J
100-42-5	Styrene	118	20.3	118	U
630-20-6	1,1,1,2-Tetrachloroethane	118	14.6	118	U
79-34-5	1,1,2,2-Tetrachloroethane	118	64.2	118	U
127-18-4	Tetrachloroethene	118	44.9	118	U J
108-88-3	Toluene	118	27.1	118	U
87-61-6	1,2,3-Trichlorobenzene	118	67.5	118	U
120-82-1	1,2,4-Trichlorobenzene	118	38.1	118	U
71-55-6	1,1,1-Trichloroethane	118	30.4	118	U
108-70-3	1,3,5-Trichlorobenzene	118	23.2	118	U
79-00-5	1,1,2-Trichloroethane	118	22.8	118	U
79-01-6	Trichloroethene	808	18.0	118	
75-69-4	Trichlorofluoromethane (Freon 11)	118	42.6	118	J U
96-18-4	1,2,3-Trichloropropane	118	37.4	118	U
95-63-6	1,2,4-Trimethylbenzene	41.3	16.7	118	J
108-67-8	1,3,5-Trimethylbenzene	118	15.0	118	U
75-01-4	Vinyl chloride	118	44.8	118	U
179601-23-1	m,p-Xylene	236	23.2	236	U
95-47-6	o-Xylene	118	25.1	118	U
109-99-9	Tetrahydrofuran	236	126	236	U J
60-29-7	Ethyl ether	118	27.2	118	U
994-05-8	Tert-amyl methyl ether	118	44.9	118	U
637-92-3	Ethyl tert-butyl ether	118	45.5	118	U
108-20-3	Di-isopropyl ether	118	17.3	118	U
75-65-0	Tert-Butanol / butyl alcohol	1180	499	1180	U
110-57-6	trans-1,4-Dichloro-2-butene	590	153	590	U J
64-17-5	Ethanol	47200	2720	47200	U
110-82-7	Cyclohexane	69.6	27.4	590	J
1330-20-7	Total Xylenes	118	23.2	118	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	1979619.D		
Sampled:	03/31/16 19:45	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 15:44		
% Solids:	90.79	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.32 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	590	47.8	590	U
108-87-2	Methylcyclohexane	1360	27.9	590	
123-91-1	1,4-Dioxane	2360	1300	2360	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	1979619.D		
Sampled:	03/31/16 19:45	Prepared:	04/08/16 08:11	Analyzed:	04/08/16 15:44		
% Solids:	90.79	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.32 g / 15 ml		
Batch:	1605839	Sequence:	S602834	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
054340-88-4	1H-Indene, 2,3-dihydro-1,5,...	13.367	3500	JN
NA	1H-Indene, 2,3-dihydro-4,7-...	12.254	4700	JN
527-53-7	Benzene, 1,2,3,5-tetramethyl-	11.56	8000	JN
000119-64-2	Naphthalene, 1,2,3,4-tetrah...	13.68	5000	JN
493-02-7	Naphthalene, decahydro-, tr...	10.796	4200	JN

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	C1979613.D
Sampled:	03/31/16 14:55	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 10:56
% Solids:	92.24	Preparation:	SW846 3545A	Initial/Final:	30.2776 g / 1 ml
Batch:	1605941	Sequence:	S602966	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	10		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	716	475	716	U
208-96-8	Acenaphthylene	716	480	716	U
62-53-3	Aniline	3540	490	3540	U
120-12-7	Anthracene	716	466	716	U
103-33-3	Azobenzene/Diphenyldiazene	3540	440	3540	U
92-87-5	Benzidine	3540	1530	3540	U
56-55-3	Benzo (a) anthracene	716	401	716	U
50-32-8	Benzo (a) pyrene	716	439	716	U
205-99-2	Benzo (b) fluoranthene	716	395	716	U
191-24-2	Benzo (g,h,i) perylene	716	431	716	U
207-08-9	Benzo (k) fluoranthene	716	499	716	U
65-85-0	Benzoic acid	3540	852	3540	U
100-51-6	Benzyl alcohol	3540	363	3540	U J
111-91-1	Bis(2-chloroethoxy)methane	3540	415	3540	U
111-44-4	Bis(2-chloroethyl)ether	1790	401	1790	U
108-60-1	Bis(2-chloroisopropyl)ether	1790	412	1790	U
117-81-7	Bis(2-ethylhexyl)phthalate	1790	422	1790	U
101-55-3	4-Bromophenyl phenyl ether	3540	413	3540	U
85-68-7	Butyl benzyl phthalate	3540	444	3540	U
86-74-8	Carbazole	1790	468	1790	U
59-50-7	4-Chloro-3-methylphenol	3540	530	3540	U
106-47-8	4-Chloroaniline	1790	521	1790	U
91-58-7	2-Chloronaphthalene	3540	453	3540	U
95-57-8	2-Chlorophenol	1790	411	1790	U
7005-72-3	4-Chlorophenyl phenyl ether	3540	472	3540	U
218-01-9	Chrysene	716	369	716	U
53-70-3	Dibenzo (a,h) anthracene	716	508	716	U
132-64-9	Dibenzofuran	1790	462	1790	U
95-50-1	1,2-Dichlorobenzene	3540	445	3540	U
541-73-1	1,3-Dichlorobenzene	3540	396	3540	U
106-46-7	1,4-Dichlorobenzene	3540	421	3540	U
91-94-1	3,3´-Dichlorobenzidine	3540	518	3540	U
120-83-2	2,4-Dichlorophenol	1790	447	1790	U
84-66-2	Diethyl phthalate	3540	432	3540	U
131-11-3	Dimethyl phthalate	3540	418	3540	U
105-67-9	2,4-Dimethylphenol	3540	411	3540	U
84-74-2	Di-n-butyl phthalate	3540	440	3540	U
534-52-1	4,6-Dinitro-2-methylphenol	3540	536	3540	U
51-28-5	2,4-Dinitrophenol	3540	625	3540	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	C1979613.D		
Sampled:	03/31/16 14:55	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 10:56		
% Solids:	92.24	Preparation:	SW846 3545A	Initial/Final:	30.2776 g / 1 ml		
Batch:	1605941	Sequence:	S602966	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	10				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	1790	539	1790	U
606-20-2	2,6-Dinitrotoluene	1790	436	1790	U
117-84-0	Di-n-octyl phthalate	3540	520	3540	U
206-44-0	Fluoranthene	716	402	716	U
86-73-7	Fluorene	1780	444	716	
118-74-1	Hexachlorobenzene	1790	419	1790	U
87-68-3	Hexachlorobutadiene	1790	443	1790	U
77-47-4	Hexachlorocyclopentadiene	1790	647	1790	U
67-72-1	Hexachloroethane	1790	394	1790	U
193-39-5	Indeno (1,2,3-cd) pyrene	716	477	716	U
78-59-1	Isophorone	1790	410	1790	U
91-57-6	2-Methylnaphthalene	2340	431	716	
95-48-7	2-Methylphenol	3540	416	3540	U
108-39-4, 106-44	3 & 4-Methylphenol	3540	419	3540	U
91-20-3	Naphthalene	1150	430	716	
88-74-4	2-Nitroaniline	3540	594	3540	U
99-09-2	3-Nitroaniline	3540	638	3540	U J
100-01-6	4-Nitroaniline	1790	706	1790	U
98-95-3	Nitrobenzene	1790	435	1790	U
88-75-5	2-Nitrophenol	1790	462	1790	U
100-02-7	4-Nitrophenol	14200	451	14200	U
62-75-9	N-Nitrosodimethylamine	1790	406	1790	U
621-64-7	N-Nitrosodi-n-propylamine	1790	420	1790	U
86-30-6	N-Nitrosodiphenylamine	3540	492	3540	U
87-86-5	Pentachlorophenol	3540	579	3540	U
85-01-8	Phenanthrene	3890	432	716	
108-95-2	Phenol	3540	426	3540	U
129-00-0	Pyrene	716	375	716	U
110-86-1	Pyridine	3540	447	3540	U J
120-82-1	1,2,4-Trichlorobenzene	3540	424	3540	U
90-12-0	1-Methylnaphthalene	9460	444	716	
82-68-8	Pentachloronitrobenzene	3540	478	3540	U
95-94-3	1,2,4,5-Tetrachlorobenzene	3540	490	3540	U
95-95-4	2,4,5-Trichlorophenol	3540	449	3540	U
88-06-2	2,4,6-Trichlorophenol	1790	429	1790	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	C1979613.D		
Sampled:	03/31/16 14:55	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 10:56		
% Solids:	92.24	Preparation:	SW846 3545A	Initial/Final:	30.2776 g / 1 ml		
Batch:	1605941	Sequence:	S602966	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	10				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
002717-39-7	1,4,5,8-Tetramethylnaphthalene	8.538	4100	JN
000941-81-1	Azulene, 4,6,8-trimethyl-	7.732	6800	JN
54105-67-8	Heptadecane, 2,6-dimethyl-	8.579	16000	JN
000575-41-7	Naphthalene, 1,3-dimethyl-	6.709	6100	JN
002131-41-1	Naphthalene, 1,4,5-trimethyl-	7.444	6400	JN
002131-42-2	Naphthalene, 1,4,6-trimethyl-	7.585	9100	JN
002245-38-7	Naphthalene, 1,6,7-trimethyl-	7.615	9500	JN
000575-37-1	Naphthalene, 1,7-dimethyl-	7.027	11000	JN
000829-26-5	Naphthalene, 2,3,6-trimethyl-	7.715	8600	JN
000581-40-8	Naphthalene, 2,3-dimethyl-	6.903	17000	JN
TIC	Naphthalene, 2,7-dimethyl-	6.797	20000	JN
000483-87-4	Phenanthrene, 1,7-dimethyl-	10.256	4400	JN
000832-69-9	Phenanthrene, 1-methyl-	9.668	4100	JN
NA	phenanthrene, 2-methyl-	9.697	4300	JN

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	C1979614.D
Sampled:	03/31/16 15:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 11:27
% Solids:	90.44	Preparation:	SW846 3545A	Initial/Final:	30.104 g / 1 ml
Batch:	1605941	Sequence:	S602966	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	10		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	735	487	735	U
208-96-8	Acenaphthylene	735	493	735	U
62-53-3	Aniline	3640	503	3640	U
120-12-7	Anthracene	735	478	735	U
103-33-3	Azobenzene/Diphenyldiazene	3640	452	3640	U
92-87-5	Benzidine	3640	1570	3640	U
56-55-3	Benzo (a) anthracene	735	411	735	U
50-32-8	Benzo (a) pyrene	735	450	735	U
205-99-2	Benzo (b) fluoranthene	735	405	735	U
191-24-2	Benzo (g,h,i) perylene	735	442	735	U
207-08-9	Benzo (k) fluoranthene	735	511	735	U
65-85-0	Benzoic acid	3640	874	3640	U
100-51-6	Benzyl alcohol	3640	372	3640	U J
111-91-1	Bis(2-chloroethoxy)methane	3640	426	3640	U
111-44-4	Bis(2-chloroethyl)ether	1840	412	1840	U
108-60-1	Bis(2-chloroisopropyl)ether	1840	423	1840	U
117-81-7	Bis(2-ethylhexyl)phthalate	1840	433	1840	U
101-55-3	4-Bromophenyl phenyl ether	3640	424	3640	U
85-68-7	Butyl benzyl phthalate	3640	455	3640	U
86-74-8	Carbazole	1840	480	1840	U
59-50-7	4-Chloro-3-methylphenol	3640	543	3640	U
106-47-8	4-Chloroaniline	1840	534	1840	U
91-58-7	2-Chloronaphthalene	3640	465	3640	U
95-57-8	2-Chlorophenol	1840	421	1840	U
7005-72-3	4-Chlorophenyl phenyl ether	3640	484	3640	U
218-01-9	Chrysene	735	378	735	U
53-70-3	Dibenzo (a,h) anthracene	735	521	735	U
132-64-9	Dibenzofuran	1840	474	1840	U
95-50-1	1,2-Dichlorobenzene	3640	456	3640	U
541-73-1	1,3-Dichlorobenzene	3640	406	3640	U
106-46-7	1,4-Dichlorobenzene	3640	432	3640	U
91-94-1	3,3´-Dichlorobenzidine	3640	532	3640	U
120-83-2	2,4-Dichlorophenol	1840	459	1840	U
84-66-2	Diethyl phthalate	3640	443	3640	U
131-11-3	Dimethyl phthalate	3640	429	3640	U
105-67-9	2,4-Dimethylphenol	3640	422	3640	U
84-74-2	Di-n-butyl phthalate	3640	451	3640	U
534-52-1	4,6-Dinitro-2-methylphenol	3640	549	3640	U
51-28-5	2,4-Dinitrophenol	3640	641	3640	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	C1979614.D		
Sampled:	03/31/16 15:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 11:27		
% Solids:	90.44	Preparation:	SW846 3545A	Initial/Final:	30.104 g / 1 ml		
Batch:	1605941	Sequence:	S602966	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	10				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	1840	553	1840	U
606-20-2	2,6-Dinitrotoluene	1840	447	1840	U
117-84-0	Di-n-octyl phthalate	3640	534	3640	U
206-44-0	Fluoranthene	735	412	735	U
86-73-7	Fluorene	1250	455	735	
118-74-1	Hexachlorobenzene	1840	429	1840	U
87-68-3	Hexachlorobutadiene	1840	454	1840	U
77-47-4	Hexachlorocyclopentadiene	1840	663	1840	U
67-72-1	Hexachloroethane	1840	404	1840	U
193-39-5	Indeno (1,2,3-cd) pyrene	735	489	735	U
78-59-1	Isophorone	1840	421	1840	U
91-57-6	2-Methylnaphthalene	735	443	735	U
95-48-7	2-Methylphenol	3640	427	3640	U
108-39-4, 106-44	3 & 4-Methylphenol	3640	430	3640	U
91-20-3	Naphthalene	735	441	735	U
88-74-4	2-Nitroaniline	3640	609	3640	U
99-09-2	3-Nitroaniline	3640	654	3640	U J
100-01-6	4-Nitroaniline	1840	724	1840	U
98-95-3	Nitrobenzene	1840	446	1840	U
88-75-5	2-Nitrophenol	1840	474	1840	U
100-02-7	4-Nitrophenol	14500	462	14500	U
62-75-9	N-Nitrosodimethylamine	1840	416	1840	U
621-64-7	N-Nitrosodi-n-propylamine	1840	431	1840	U
86-30-6	N-Nitrosodiphenylamine	3640	505	3640	U
87-86-5	Pentachlorophenol	3640	594	3640	U
85-01-8	Phenanthrene	2770	443	735	
108-95-2	Phenol	3640	437	3640	U
129-00-0	Pyrene	735	385	735	U
110-86-1	Pyridine	3640	459	3640	U J
120-82-1	1,2,4-Trichlorobenzene	3640	435	3640	U
90-12-0	1-Methylnaphthalene	4660	456	735	
82-68-8	Pentachloronitrobenzene	3640	490	3640	U
95-94-3	1,2,4,5-Tetrachlorobenzene	3640	503	3640	U
95-95-4	2,4,5-Trichlorophenol	3640	460	3640	U
88-06-2	2,4,6-Trichlorophenol	1840	441	1840	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	C1979614.D		
Sampled:	03/31/16 15:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 11:27		
% Solids:	90.44	Preparation:	SW846 3545A	Initial/Final:	30.104 g / 1 ml		
Batch:	1605941	Sequence:	S602966	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	10				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000941-81-1	Azulene, 4,6,8-trimethyl-	7.727	5000	JN
74645-98-0	Dodecane, 2,7,10-trimethyl-	8.568	12000	JN
000575-41-7	Naphthalene, 1,3-dimethyl-	7.021	8100	JN
002131-41-1	Naphthalene, 1,4,5-trimethyl-	7.709	7500	JN
002131-42-2	Naphthalene, 1,4,6-trimethyl-	7.609	6600	JN
002245-38-7	Naphthalene, 1,6,7-trimethyl-	7.574	6600	JN
000829-26-5	Naphthalene, 2,3,6-trimethyl-	7.432	4500	JN
000581-40-8	Naphthalene, 2,3-dimethyl-	6.891	13000	JN
TIC	Naphthalene, 2,6-dimethyl-	6.785	14000	JN
TIC	Naphthalene, 2,7-dimethyl-	6.915	6700	JN
630-02-4	Octacosane	9.121	4400	JN
629-59-4	Tetradecane	7.109	9000	JN

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	C1979616.D
Sampled:	03/31/16 16:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 00:40
% Solids:	92.03	Preparation:	SW846 3545A	Initial/Final:	30.0407 g / 1 ml
Batch:	1605941	Sequence:	S602960	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	72.4	48.0	72.4	U
208-96-8	Acenaphthylene	72.4	48.5	72.4	U
62-53-3	Aniline	358	49.5	358	U
120-12-7	Anthracene	72.4	47.1	72.4	U
103-33-3	Azobenzene/Diphenyldiazene	358	44.5	358	U
92-87-5	Benzidine	358	154	358	U
56-55-3	Benzo (a) anthracene	72.4	40.5	72.4	U
50-32-8	Benzo (a) pyrene	72.4	44.3	72.4	U
205-99-2	Benzo (b) fluoranthene	72.4	39.9	72.4	U
191-24-2	Benzo (g,h,i) perylene	72.4	43.5	72.4	U
207-08-9	Benzo (k) fluoranthene	72.4	50.4	72.4	U
65-85-0	Benzoic acid	358	86.1	358	U
100-51-6	Benzyl alcohol	358	36.7	358	U J
111-91-1	Bis(2-chloroethoxy)methane	358	42.0	358	U
111-44-4	Bis(2-chloroethyl)ether	181	40.5	181	U
108-60-1	Bis(2-chloroisopropyl)ether	181	41.6	181	U
117-81-7	Bis(2-ethylhexyl)phthalate	181	42.6	181	U
101-55-3	4-Bromophenyl phenyl ether	358	41.7	358	U
85-68-7	Butyl benzyl phthalate	358	44.8	358	U
86-74-8	Carbazole	181	47.3	181	U
59-50-7	4-Chloro-3-methylphenol	358	53.5	358	U
106-47-8	4-Chloroaniline	181	52.6	181	U
91-58-7	2-Chloronaphthalene	358	45.8	358	U
95-57-8	2-Chlorophenol	181	41.5	181	U
7005-72-3	4-Chlorophenyl phenyl ether	358	47.7	358	U
218-01-9	Chrysene	72.4	37.2	72.4	U
53-70-3	Dibenzo (a,h) anthracene	72.4	51.3	72.4	U
132-64-9	Dibenzofuran	181	46.7	181	U
95-50-1	1,2-Dichlorobenzene	358	45.0	358	U
541-73-1	1,3-Dichlorobenzene	358	40.0	358	U
106-46-7	1,4-Dichlorobenzene	358	42.5	358	U
91-94-1	3,3´-Dichlorobenzidine	358	52.4	358	U
120-83-2	2,4-Dichlorophenol	181	45.2	181	U
84-66-2	Diethyl phthalate	358	43.6	358	U
131-11-3	Dimethyl phthalate	358	42.3	358	U
105-67-9	2,4-Dimethylphenol	358	41.5	358	U
84-74-2	Di-n-butyl phthalate	358	44.4	358	U
534-52-1	4,6-Dinitro-2-methylphenol	358	54.1	358	U
51-28-5	2,4-Dinitrophenol	358	63.2	358	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	C1979616.D
Sampled:	03/31/16 16:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 00:40
% Solids:	92.03	Preparation:	SW846 3545A	Initial/Final:	30.0407 g / 1 ml
Batch:	1605941	Sequence:	S602960	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	181	54.5	181	U
606-20-2	2,6-Dinitrotoluene	181	44.0	181	U
117-84-0	Di-n-octyl phthalate	358	52.6	358	U
206-44-0	Fluoranthene	72.4	40.6	72.4	U
86-73-7	Fluorene	72.4	44.8	72.4	U
118-74-1	Hexachlorobenzene	181	42.3	181	U
87-68-3	Hexachlorobutadiene	181	44.8	181	U
77-47-4	Hexachlorocyclopentadiene	181	65.3	181	U
67-72-1	Hexachloroethane	181	39.8	181	U
193-39-5	Indeno (1,2,3-cd) pyrene	72.4	48.1	72.4	U
78-59-1	Isophorone	181	41.4	181	U
91-57-6	2-Methylnaphthalene	72.4	43.6	72.4	U
95-48-7	2-Methylphenol	358	42.0	358	U
108-39-4, 106-44	3 & 4-Methylphenol	358	42.4	358	U
91-20-3	Naphthalene	72.4	43.4	72.4	U
88-74-4	2-Nitroaniline	358	60.0	358	U
99-09-2	3-Nitroaniline	358	64.5	358	U
100-01-6	4-Nitroaniline	181	71.3	181	U
98-95-3	Nitrobenzene	181	43.9	181	U
88-75-5	2-Nitrophenol	181	46.7	181	U
100-02-7	4-Nitrophenol	1430	45.5	1430	U
62-75-9	N-Nitrosodimethylamine	181	41.0	181	U J
621-64-7	N-Nitrosodi-n-propylamine	181	42.5	181	U
86-30-6	N-Nitrosodiphenylamine	358	49.7	358	U
87-86-5	Pentachlorophenol	358	58.5	358	U J
85-01-8	Phenanthrene	148	43.7	72.4	
108-95-2	Phenol	358	43.0	358	U
129-00-0	Pyrene	176	37.9	72.4	
110-86-1	Pyridine	358	45.2	358	U J
120-82-1	1,2,4-Trichlorobenzene	358	42.8	358	U
90-12-0	1-Methylnaphthalene	72.4	44.9	72.4	U
82-68-8	Pentachloronitrobenzene	358	48.3	358	U
95-94-3	1,2,4,5-Tetrachlorobenzene	358	49.5	358	U
95-95-4	2,4,5-Trichlorophenol	358	45.3	358	U
88-06-2	2,4,6-Trichlorophenol	181	43.4	181	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	C1979616.D		
Sampled:	03/31/16 16:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 00:40		
% Solids:	92.03	Preparation:	SW846 3545A	Initial/Final:	30.0407 g / 1 ml		
Batch:	1605941	Sequence:	S602960	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
002717-39-7	1,4,5,8-Tetramethylnaphthalene	8.514	840	JN
001430-97-3	9H-Fluorene, 2-methyl-	8.737	1400	JN
054340-86-2	Benzene, 4-(2-butenyl)-1,2-...	6.226	510	JN
54105-67-8	Heptadecane, 2,6-dimethyl-	8.649	3600	JN
493-02-7	Naphthalene, decahydro-, tr...	3.926	620	JN
002958-76-1	Naphthalene, decahydro-2-me...	4.62	770	JN
000832-69-9	Phenanthrene, 1-methyl-	9.737	550	JN
003674-73-5	Phenanthrene, 2,3,5-trimethyl- (01)	10.949	630	JN
003674-66-6	Phenanthrene, 2,5-dimethyl-	10.414	1200	JN
001576-67-6	Phenanthrene, 3,6-dimethyl-	10.326	540	JN
17301-23-4	Undecane, 2,6-dimethyl-	5.373	950	JN

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	C1979617.D
Sampled:	03/31/16 17:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 01:11
% Solids:	93.84	Preparation:	SW846 3545A	Initial/Final:	30.3059 g / 1 ml
Batch:	1605941	Sequence:	S602960	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	70.4	46.6	70.4	U
208-96-8	Acenaphthylene	70.4	47.2	70.4	U
62-53-3	Aniline	348	48.1	348	U
120-12-7	Anthracene	70.4	45.8	70.4	U
103-33-3	Azobenzene/Diphenyldiazene	348	43.2	348	U
92-87-5	Benzidine	348	150	348	U
56-55-3	Benzo (a) anthracene	70.4	39.4	70.4	U
50-32-8	Benzo (a) pyrene	70.4	43.1	70.4	U
205-99-2	Benzo (b) fluoranthene	70.4	38.8	70.4	U
191-24-2	Benzo (g,h,i) perylene	70.4	42.3	70.4	U
207-08-9	Benzo (k) fluoranthene	70.4	49.0	70.4	U
65-85-0	Benzoic acid	348	83.7	348	U
100-51-6	Benzyl alcohol	348	35.6	348	U J
111-91-1	Bis(2-chloroethoxy)methane	348	40.8	348	U
111-44-4	Bis(2-chloroethyl)ether	176	39.4	176	U
108-60-1	Bis(2-chloroisopropyl)ether	176	40.5	176	U
117-81-7	Bis(2-ethylhexyl)phthalate	176	41.4	176	U
101-55-3	4-Bromophenyl phenyl ether	348	40.6	348	U
85-68-7	Butyl benzyl phthalate	348	43.6	348	U
86-74-8	Carbazole	176	46.0	176	U
59-50-7	4-Chloro-3-methylphenol	348	52.0	348	U
106-47-8	4-Chloroaniline	176	51.1	176	U
91-58-7	2-Chloronaphthalene	348	44.5	348	U
95-57-8	2-Chlorophenol	176	40.3	176	U
7005-72-3	4-Chlorophenyl phenyl ether	348	46.4	348	U
218-01-9	Chrysene	70.4	36.2	70.4	U
53-70-3	Dibenzo (a,h) anthracene	70.4	49.9	70.4	U
132-64-9	Dibenzofuran	176	45.4	176	U
95-50-1	1,2-Dichlorobenzene	348	43.7	348	U
541-73-1	1,3-Dichlorobenzene	348	38.9	348	U
106-46-7	1,4-Dichlorobenzene	348	41.3	348	U
91-94-1	3,3´-Dichlorobenzidine	348	50.9	348	U
120-83-2	2,4-Dichlorophenol	176	43.9	176	U
84-66-2	Diethyl phthalate	348	42.4	348	U
131-11-3	Dimethyl phthalate	348	41.1	348	U
105-67-9	2,4-Dimethylphenol	348	40.4	348	U
84-74-2	Di-n-butyl phthalate	348	43.2	348	U
534-52-1	4,6-Dinitro-2-methylphenol	348	52.6	348	U
51-28-5	2,4-Dinitrophenol	348	61.4	348	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	C1979617.D		
Sampled:	03/31/16 17:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 01:11		
% Solids:	93.84	Preparation:	SW846 3545A	Initial/Final:	30.3059 g / 1 ml		
Batch:	1605941	Sequence:	S602960	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	176	52.9	176	U
606-20-2	2,6-Dinitrotoluene	176	42.8	176	U
117-84-0	Di-n-octyl phthalate	348	51.1	348	U
206-44-0	Fluoranthene	70.4	39.4	70.4	U
86-73-7	Fluorene	70.4	43.6	70.4	U
118-74-1	Hexachlorobenzene	176	41.1	176	U
87-68-3	Hexachlorobutadiene	176	43.5	176	U
77-47-4	Hexachlorocyclopentadiene	176	63.5	176	U
67-72-1	Hexachloroethane	176	38.7	176	U
193-39-5	Indeno (1,2,3-cd) pyrene	70.4	46.8	70.4	U
78-59-1	Isophorone	176	40.3	176	U
91-57-6	2-Methylnaphthalene	70.4	42.4	70.4	U
95-48-7	2-Methylphenol	348	40.9	348	U
108-39-4, 106-44	3 & 4-Methylphenol	348	41.2	348	U
91-20-3	Naphthalene	70.4	42.2	70.4	U
88-74-4	2-Nitroaniline	348	58.3	348	U
99-09-2	3-Nitroaniline	348	62.7	348	U
100-01-6	4-Nitroaniline	176	69.4	176	U
98-95-3	Nitrobenzene	176	42.7	176	U
88-75-5	2-Nitrophenol	176	45.4	176	U
100-02-7	4-Nitrophenol	1390	44.3	1390	U
62-75-9	N-Nitrosodimethylamine	176	39.9	176	U J
621-64-7	N-Nitrosodi-n-propylamine	176	41.3	176	U
86-30-6	N-Nitrosodiphenylamine	348	48.3	348	U
87-86-5	Pentachlorophenol	348	56.9	348	U J
85-01-8	Phenanthrene	70.4	42.4	70.4	U
108-95-2	Phenol	348	41.8	348	U
129-00-0	Pyrene	70.4	36.9	70.4	U
110-86-1	Pyridine	348	43.9	348	U J
120-82-1	1,2,4-Trichlorobenzene	348	41.6	348	U
90-12-0	1-Methylnaphthalene	70.4	43.6	70.4	U
82-68-8	Pentachloronitrobenzene	348	47.0	348	U
95-94-3	1,2,4,5-Tetrachlorobenzene	348	48.1	348	U
95-95-4	2,4,5-Trichlorophenol	348	44.1	348	U
88-06-2	2,4,6-Trichlorophenol	176	42.2	176	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	C1979617.D		
Sampled:	03/31/16 17:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 01:11		
% Solids:	93.84	Preparation:	SW846 3545A	Initial/Final:	30.3059 g / 1 ml		
Batch:	1605941	Sequence:	S602960	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
010544-50-0	Cyclic octaatomic sulfur	10.402	400	JN
	Tentatively Identified Compounds		0.0	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	C1979618.D
Sampled:	03/31/16 18:10	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 11:57
% Solids:	90.76	Preparation:	SW846 3545A	Initial/Final:	30.2928 g / 1 ml
Batch:	1605941	Sequence:	S602966	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	10		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	728	482	728	U
208-96-8	Acenaphthylene	728	488	728	U
62-53-3	Aniline	3600	498	3600	U
120-12-7	Anthracene	728	474	728	U
103-33-3	Azobenzene/Diphenyldiazene	3600	447	3600	U
92-87-5	Benzidine	3600	1550	3600	U
56-55-3	Benzo (a) anthracene	728	407	728	U
50-32-8	Benzo (a) pyrene	728	446	728	U
205-99-2	Benzo (b) fluoranthene	728	401	728	U
191-24-2	Benzo (g,h,i) perylene	728	437	728	U
207-08-9	Benzo (k) fluoranthene	728	506	728	U
65-85-0	Benzoic acid	3600	866	3600	U
100-51-6	Benzyl alcohol	3600	369	3600	U
111-91-1	Bis(2-chloroethoxy)methane	3600	422	3600	U
111-44-4	Bis(2-chloroethyl)ether	1820	408	1820	U
108-60-1	Bis(2-chloroisopropyl)ether	1820	419	1820	U
117-81-7	Bis(2-ethylhexyl)phthalate	1820	429	1820	U
101-55-3	4-Bromophenyl phenyl ether	3600	420	3600	U
85-68-7	Butyl benzyl phthalate	3600	451	3600	U
86-74-8	Carbazole	1820	476	1820	U
59-50-7	4-Chloro-3-methylphenol	3600	538	3600	U
106-47-8	4-Chloroaniline	1820	529	1820	U
91-58-7	2-Chloronaphthalene	3600	460	3600	U
95-57-8	2-Chlorophenol	1820	417	1820	U
7005-72-3	4-Chlorophenyl phenyl ether	3600	480	3600	U
218-01-9	Chrysene	728	374	728	U
53-70-3	Dibenzo (a,h) anthracene	728	516	728	U
132-64-9	Dibenzofuran	1820	470	1820	U
95-50-1	1,2-Dichlorobenzene	3600	452	3600	U
541-73-1	1,3-Dichlorobenzene	3600	402	3600	U
106-46-7	1,4-Dichlorobenzene	3600	427	3600	U
91-94-1	3,3´-Dichlorobenzidine	3600	527	3600	U
120-83-2	2,4-Dichlorophenol	1820	454	1820	U
84-66-2	Diethyl phthalate	3600	439	3600	U
131-11-3	Dimethyl phthalate	3600	425	3600	U
105-67-9	2,4-Dimethylphenol	3600	418	3600	U
84-74-2	Di-n-butyl phthalate	3600	447	3600	U
534-52-1	4,6-Dinitro-2-methylphenol	3600	544	3600	U
51-28-5	2,4-Dinitrophenol	3600	635	3600	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	C1979618.D		
Sampled:	03/31/16 18:10	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 11:57		
% Solids:	90.76	Preparation:	SW846 3545A	Initial/Final:	30.2928 g / 1 ml		
Batch:	1605941	Sequence:	S602966	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	10				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	1820	548	1820	U
606-20-2	2,6-Dinitrotoluene	1820	443	1820	U
117-84-0	Di-n-octyl phthalate	3600	529	3600	U
206-44-0	Fluoranthene	728	408	728	U
86-73-7	Fluorene	738	451	728	
118-74-1	Hexachlorobenzene	1820	425	1820	U
87-68-3	Hexachlorobutadiene	1820	450	1820	U
77-47-4	Hexachlorocyclopentadiene	1820	657	1820	U
67-72-1	Hexachloroethane	1820	400	1820	U
193-39-5	Indeno (1,2,3-cd) pyrene	728	484	728	U
78-59-1	Isophorone	1820	417	1820	U
91-57-6	2-Methylnaphthalene	728	438	728	U
95-48-7	2-Methylphenol	3600	423	3600	U
108-39-4, 106-44	3 & 4-Methylphenol	3600	426	3600	U
91-20-3	Naphthalene	728	437	728	U
88-74-4	2-Nitroaniline	3600	604	3600	U
99-09-2	3-Nitroaniline	3600	648	3600	U
100-01-6	4-Nitroaniline	1820	717	1820	U
98-95-3	Nitrobenzene	1820	442	1820	U
88-75-5	2-Nitrophenol	1820	469	1820	U
100-02-7	4-Nitrophenol	14400	458	14400	U
62-75-9	N-Nitrosodimethylamine	1820	412	1820	U
621-64-7	N-Nitrosodi-n-propylamine	1820	427	1820	U
86-30-6	N-Nitrosodiphenylamine	3600	500	3600	U
87-86-5	Pentachlorophenol	3600	588	3600	U
85-01-8	Phenanthrene	728	439	728	U
108-95-2	Phenol	3600	432	3600	U
129-00-0	Pyrene	728	381	728	U
110-86-1	Pyridine	3600	454	3600	U
120-82-1	1,2,4-Trichlorobenzene	3600	431	3600	U
90-12-0	1-Methylnaphthalene	728	451	728	U
82-68-8	Pentachloronitrobenzene	3600	486	3600	U
95-94-3	1,2,4,5-Tetrachlorobenzene	3600	498	3600	U
95-95-4	2,4,5-Trichlorophenol	3600	456	3600	U
88-06-2	2,4,6-Trichlorophenol	1820	436	1820	U

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	C1979618.D		
Sampled:	03/31/16 18:10	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 11:57		
% Solids:	90.76	Preparation:	SW846 3545A	Initial/Final:	30.2928 g / 1 ml		
Batch:	1605941	Sequence:	S602966	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	10				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
010544-50-0	Cyclic octaatomic sulfur	10.385	7600	JN
54105-67-8	Heptadecane, 2,6-dimethyl-	8.568	4300	JN
002245-38-7	Naphthalene, 1,6,7-trimethyl-	7.603	4900	JN
000829-26-5	Naphthalene, 2,3,6-trimethyl-	7.703	6200	JN
TIC	Naphthalene, 2,7-dimethyl-	7.032	4800	JN

lw 6/6/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	C1979619.D
Sampled:	03/31/16 19:45	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 02:13
% Solids:	90.79	Preparation:	SW846 3545A	Initial/Final:	30.31 g / 1 ml
Batch:	1605941	Sequence:	S602960	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	65.8	48.2	72.7	J
208-96-8	Acenaphthylene	72.7	48.7	72.7	U
62-53-3	Aniline	360	49.7	360	U
120-12-7	Anthracene	72.7	47.3	72.7	U
103-33-3	Azobenzene/Diphenyldiazene	360	44.7	360	U
92-87-5	Benzidine	360	155	360	U
56-55-3	Benzo (a) anthracene	72.7	40.7	72.7	U
50-32-8	Benzo (a) pyrene	72.7	44.5	72.7	U
205-99-2	Benzo (b) fluoranthene	72.7	40.1	72.7	U
191-24-2	Benzo (g,h,i) perylene	72.7	43.7	72.7	U
207-08-9	Benzo (k) fluoranthene	72.7	50.6	72.7	U
65-85-0	Benzoic acid	360	86.5	360	U
100-51-6	Benzyl alcohol	360	36.8	360	U
111-91-1	Bis(2-chloroethoxy)methane	360	42.1	360	U
111-44-4	Bis(2-chloroethyl)ether	182	40.7	182	U
108-60-1	Bis(2-chloroisopropyl)ether	182	41.8	182	U
117-81-7	Bis(2-ethylhexyl)phthalate	182	42.8	182	U
101-55-3	4-Bromophenyl phenyl ether	360	41.9	360	U
85-68-7	Butyl benzyl phthalate	360	45.1	360	U
86-74-8	Carbazole	182	47.5	182	U
59-50-7	4-Chloro-3-methylphenol	360	53.7	360	U
106-47-8	4-Chloroaniline	182	52.8	182	U
91-58-7	2-Chloronaphthalene	360	46.0	360	U
95-57-8	2-Chlorophenol	182	41.7	182	U
7005-72-3	4-Chlorophenyl phenyl ether	360	47.9	360	U
218-01-9	Chrysene	72.7	37.4	72.7	U
53-70-3	Dibenzo (a,h) anthracene	72.7	51.6	72.7	U
132-64-9	Dibenzofuran	182	46.9	182	U
95-50-1	1,2-Dichlorobenzene	360	45.2	360	U
541-73-1	1,3-Dichlorobenzene	360	40.2	360	U
106-46-7	1,4-Dichlorobenzene	360	42.7	360	U
91-94-1	3,3´-Dichlorobenzidine	360	52.6	360	U
120-83-2	2,4-Dichlorophenol	182	45.4	182	U
84-66-2	Diethyl phthalate	360	43.8	360	U
131-11-3	Dimethyl phthalate	360	42.5	360	U
105-67-9	2,4-Dimethylphenol	360	41.7	360	U
84-74-2	Di-n-butyl phthalate	360	44.7	360	U
534-52-1	4,6-Dinitro-2-methylphenol	360	54.4	360	U
51-28-5	2,4-Dinitrophenol	360	63.5	360	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	C1979619.D
Sampled:	03/31/16 19:45	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 02:13
% Solids:	90.79	Preparation:	SW846 3545A	Initial/Final:	30.31 g / 1 ml
Batch:	1605941	Sequence:	S602960	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	182	54.7	182	U
606-20-2	2,6-Dinitrotoluene	182	44.3	182	U
117-84-0	Di-n-octyl phthalate	360	52.8	360	U
206-44-0	Fluoranthene	72.7	40.8	72.7	U
86-73-7	Fluorene	160	45.0	72.7	
118-74-1	Hexachlorobenzene	182	42.5	182	U
87-68-3	Hexachlorobutadiene	182	45.0	182	U
77-47-4	Hexachlorocyclopentadiene	182	65.6	182	U
67-72-1	Hexachloroethane	182	40.0	182	U
193-39-5	Indeno (1,2,3-cd) pyrene	72.7	48.4	72.7	U
78-59-1	Isophorone	182	41.6	182	U
91-57-6	2-Methylnaphthalene	72.7	43.8	72.7	U
95-48-7	2-Methylphenol	360	42.2	360	U
108-39-4, 106-44	3 & 4-Methylphenol	360	42.6	360	U
91-20-3	Naphthalene	72.7	43.7	72.7	U
88-74-4	2-Nitroaniline	360	60.3	360	U
99-09-2	3-Nitroaniline	360	64.8	360	U
100-01-6	4-Nitroaniline	182	71.7	182	U
98-95-3	Nitrobenzene	182	44.1	182	U
88-75-5	2-Nitrophenol	182	46.9	182	U
100-02-7	4-Nitrophenol	1440	45.7	1440	U
62-75-9	N-Nitrosodimethylamine	182	41.2	182	U J
621-64-7	N-Nitrosodi-n-propylamine	182	42.7	182	U
86-30-6	N-Nitrosodiphenylamine	360	49.9	360	U
87-86-5	Pentachlorophenol	360	58.8	360	U J
85-01-8	Phenanthrene	307	43.9	72.7	
108-95-2	Phenol	360	43.2	360	U
129-00-0	Pyrene	72.7	38.1	72.7	U
110-86-1	Pyridine	360	45.4	360	U J
120-82-1	1,2,4-Trichlorobenzene	360	43.0	360	U
90-12-0	1-Methylnaphthalene	99.6	45.1	72.7	
82-68-8	Pentachloronitrobenzene	360	48.5	360	U
95-94-3	1,2,4,5-Tetrachlorobenzene	360	49.7	360	U
95-95-4	2,4,5-Trichlorophenol	360	45.6	360	U
88-06-2	2,4,6-Trichlorophenol	182	43.6	182	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	C1979619.D		
Sampled:	03/31/16 19:45	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 02:13		
% Solids:	90.79	Preparation:	SW846 3545A	Initial/Final:	30.31 g / 1 ml		
Batch:	1605941	Sequence:	S602960	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000949-41-7	1H-Cyclopropa[l]phenanthren...	9.714	470	JN
112-40-3	Dodecane	9.143	670	JN
54105-67-8	Heptadecane, 2,6-dimethyl-	8.59	2700	JN
000575-41-7	Naphthalene, 1,3-dimethyl-	7.043	770	JN
002131-41-1	Naphthalene, 1,4,5-trimethyl-	7.596	760	JN
002131-42-2	Naphthalene, 1,4,6-trimethyl-	7.708	460	JN
002245-38-7	Naphthalene, 1,6,7-trimethyl- (02)	7.726	990	JN
2027-17-0	Naphthalene, 2-(1-methyleth...	7.455	470	JN
000829-26-5	Naphthalene, 2,3,6-trimethyl- (02)	7.826	480	JN
000483-87-4	Phenanthrene, 1,7-dimethyl-	10.279	640	JN
003674-66-6	Phenanthrene, 2,5-dimethyl-	10.367	510	JN
NA	phenanthrene, 2-methyl-	9.684	470	JN

lw 6/6/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

027-TB-7 (0.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-07	File ID:	1979607.D
Sampled:	03/29/16 11:30	Prepared:	04/06/16 14:19	Analyzed:	04/08/16 13:50
% Solids:	86.71	Preparation:	SW846 3545A	Initial/Final:	10.1681 g / 10 ml
Batch:	1605614	Sequence:	S602864	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	22.7	12.8	22.7	U
11104-28-2	Aroclor-1221	22.7	16.7	22.7	U
11141-16-5	Aroclor-1232	22.7	16.8	22.7	U
53469-21-9	Aroclor-1242	22.7	13.6	22.7	U
12672-29-6	Aroclor-1248	22.7	14.0	22.7	U
11097-69-1	Aroclor-1254	1400	10.3	22.7	
11096-82-5	Aroclor-1260	369	10.2	22.7	
37324-23-5	Aroclor-1262	22.7	17.4	22.7	U
11100-14-4	Aroclor-1268	22.7	13.2	22.7	U

lw 6/6/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

028-TB-Z (0.6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-08	File ID:	1979608.D
Sampled:	03/29/16 11:45	Prepared:	04/06/16 14:19	Analyzed:	04/08/16 14:05
% Solids:	89.91	Preparation:	SW846 3545A	Initial/Final:	10.0982 g / 10 ml
Batch:	1605614	Sequence:	S602864	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	22.0	12.5	22.0	U
11104-28-2	Aroclor-1221	22.0	16.2	22.0	U
11141-16-5	Aroclor-1232	22.0	16.4	22.0	U
53469-21-9	Aroclor-1242	22.0	13.2	22.0	U
12672-29-6	Aroclor-1248	22.0	13.6	22.0	U
11097-69-1	Aroclor-1254	92.0	14.7	22.0	
11096-82-5	Aroclor-1260	22.0	9.94	22.0	U
37324-23-5	Aroclor-1262	22.0	16.9	22.0	U
11100-14-4	Aroclor-1268	22.0	12.9	22.0	U

lw 6/6/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

029-TB-X (0.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-09	File ID:	1979609.D
Sampled:	03/29/16 12:00	Prepared:	04/06/16 14:19	Analyzed:	04/08/16 14:20
% Solids:	94.02	Preparation:	SW846 3545A	Initial/Final:	10.008 g / 10 ml
Batch:	1605614	Sequence:	S602864	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.3	12.0	21.3	U
11104-28-2	Aroclor-1221	21.3	15.6	21.3	U
11141-16-5	Aroclor-1232	21.3	15.8	21.3	U
53469-21-9	Aroclor-1242	21.3	12.8	21.3	U
12672-29-6	Aroclor-1248	21.3	13.1	21.3	U
11097-69-1	Aroclor-1254	64.0	14.1	21.3	
11096-82-5	Aroclor-1260	21.3	9.59	21.3	U
37324-23-5	Aroclor-1262	21.3	16.3	21.3	U
11100-14-4	Aroclor-1268	21.3	12.4	21.3	U

lw 6/6/16

FORM I - ANALYSIS DATA SHEET

SW846 8082A

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	1979613.D
Sampled:	03/31/16 14:55	Prepared:	04/06/16 14:19	Analyzed:	04/08/16 14:35
% Solids:	92.24	Preparation:	SW846 3545A	Initial/Final:	10.2418 g / 10 ml
Batch:	1605614	Sequence:	S602864	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.2	12.0	21.2	U
11104-28-2	Aroclor-1221	21.2	15.6	21.2	U
11141-16-5	Aroclor-1232	21.2	15.7	21.2	U
53469-21-9	Aroclor-1242	21.2	12.7	21.2	U
12672-29-6	Aroclor-1248	21.2	13.1	21.2	U
11097-69-1	Aroclor-1254	21.2	9.58	21.2	U
11096-82-5	Aroclor-1260	21.2	9.55	21.2	U
37324-23-5	Aroclor-1262	21.2	16.3	21.2	U
11100-14-4	Aroclor-1268	21.2	12.4	21.2	U

lw 6/6/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	1979614.D
Sampled:	03/31/16 15:30	Prepared:	04/06/16 14:19	Analyzed:	04/08/16 14:50
% Solids:	90.44	Preparation:	SW846 3545A	Initial/Final:	10.268 g / 10 ml
Batch:	1605614	Sequence:	S602864	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.5	12.2	21.5	U
11104-28-2	Aroclor-1221	21.5	15.9	21.5	U
11141-16-5	Aroclor-1232	21.5	16.0	21.5	U
53469-21-9	Aroclor-1242	21.5	12.9	21.5	U
12672-29-6	Aroclor-1248	21.5	13.3	21.5	U
11097-69-1	Aroclor-1254	21.5	9.74	21.5	U
11096-82-5	Aroclor-1260	21.5	9.71	21.5	U
37324-23-5	Aroclor-1262	21.5	16.5	21.5	U
11100-14-4	Aroclor-1268	21.5	12.6	21.5	U

lw 6/6/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	1979616.D
Sampled:	03/31/16 16:30	Prepared:	04/08/16 07:00	Analyzed:	04/11/16 16:15
% Solids:	92.03	Preparation:	SW846 3545A	Initial/Final:	20.1469 g / 10 ml
Batch:	1605793	Sequence:	S602912	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.6	12.2	21.6	U
11104-28-2	Aroclor-1221	21.6	15.9	21.6	U
11141-16-5	Aroclor-1232	21.6	16.0	21.6	U
53469-21-9	Aroclor-1242	21.6	13.0	21.6	U
12672-29-6	Aroclor-1248	21.6	13.3	21.6	U
11097-69-1	Aroclor-1254	21.6	9.76	21.6	U
11096-82-5	Aroclor-1260	21.6	9.73	21.6	U
37324-23-5	Aroclor-1262	21.6	16.6	21.6	U
11100-14-4	Aroclor-1268	21.6	12.6	21.6	U

lw 6/6/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	1979617.D
Sampled:	03/31/16 17:30	Prepared:	04/08/16 07:00	Analyzed:	04/11/16 16:31
% Solids:	93.84	Preparation:	SW846 3545A	Initial/Final:	20.0397 g / 10 ml
Batch:	1605793	Sequence:	S602912	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.3	12.0	21.3	U
11104-28-2	Aroclor-1221	21.3	15.7	21.3	U
11141-16-5	Aroclor-1232	21.3	15.8	21.3	U
53469-21-9	Aroclor-1242	21.3	12.8	21.3	U
12672-29-6	Aroclor-1248	21.3	13.1	21.3	U
11097-69-1	Aroclor-1254	21.3	9.62	21.3	U
11096-82-5	Aroclor-1260	21.3	9.59	21.3	U
37324-23-5	Aroclor-1262	21.3	16.3	21.3	U
11100-14-4	Aroclor-1268	21.3	12.4	21.3	U

lw 6/6/16

FORM I - ANALYSIS DATA SHEET

SW846 8082A

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	1979618.D
Sampled:	03/31/16 18:10	Prepared:	04/08/16 07:00	Analyzed:	04/11/16 16:46
% Solids:	90.76	Preparation:	SW846 3545A	Initial/Final:	20.066 g / 10 ml
Batch:	1605793	Sequence:	S602912	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	22.0	12.4	22.0	U
11104-28-2	Aroclor-1221	22.0	16.2	22.0	U
11141-16-5	Aroclor-1232	22.0	16.3	22.0	U
53469-21-9	Aroclor-1242	22.0	13.2	22.0	U
12672-29-6	Aroclor-1248	22.0	13.6	22.0	U
11097-69-1	Aroclor-1254	22.0	9.94	22.0	U
11096-82-5	Aroclor-1260	22.0	9.91	22.0	U
37324-23-5	Aroclor-1262	22.0	16.9	22.0	U
11100-14-4	Aroclor-1268	22.0	12.8	22.0	U

lw 6/6/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

035-TB-K (10-11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 19796
Client: Day Environmental, Inc.
Project: McAlpin - Rochester, NY
Project Number: 5211S-16
Received: 04/01/16 13:51
Matrix: Soil
Laboratory ID: SC19796-19
File ID: 1979619.D
Sampled: 03/31/16 19:45
Prepared: 04/06/16 14:19
Analyzed: 04/08/16 15:05
% Solids: 90.79
Preparation: SW846 3545A
Initial/Final: 10.0649 g / 10 ml
Batch: 1605614
Sequence: S602864
Calibration: 1603050
Instrument: HPS11
Injection Volume (uL): 2.00
Reported to: MRL
Dilution: 1

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.9	12.4	21.9	U
11104-28-2	Aroclor-1221	21.9	16.1	21.9	U
11141-16-5	Aroclor-1232	21.9	16.3	21.9	U
53469-21-9	Aroclor-1242	21.9	13.1	21.9	U
12672-29-6	Aroclor-1248	21.9	13.5	21.9	U
11097-69-1	Aroclor-1254	21.9	9.90	21.9	U
11096-82-5	Aroclor-1260	21.9	9.87	21.9	U
37324-23-5	Aroclor-1262	21.9	16.8	21.9	U
11100-14-4	Aroclor-1268	21.9	12.8	21.9	U

lw 6/6/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	1979613P.D
Sampled:	03/31/16 14:55	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 13:23
% Solids:	92.24	Preparation:	SW846 3545A	Initial/Final:	20.1082 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.39	1.30	5.39	U
319-85-7	beta-BHC	5.39	1.53	5.39	U
319-86-8	delta-BHC	5.39	1.37	5.39	U
58-89-9	gamma-BHC (Lindane)	3.23	1.40	3.23	U
76-44-8	Heptachlor	5.39	1.41	5.39	U
309-00-2	Aldrin	5.39	1.46	5.39	U
1024-57-3	Heptachlor epoxide	5.39	1.49	5.39	U
959-98-8	Endosulfan I	5.39	1.56	5.39	U
60-57-1	Dieldrin	5.39	1.51	5.39	U
72-55-9	4,4'-DDE (p,p')	5.39	1.44	5.39	U
72-20-8	Endrin	8.63	1.67	8.63	U
33213-65-9	Endosulfan II	8.63	1.60	8.63	U
72-54-8	4,4'-DDD (p,p')	8.63	1.55	8.63	U
1031-07-8	Endosulfan sulfate	8.63	1.70	8.63	U
50-29-3	4,4'-DDT (p,p')	8.63	1.58	8.63	U
72-43-5	Methoxychlor	8.63	1.66	8.63	U
53494-70-5	Endrin ketone	8.63	1.64	8.63	U
7421-93-4	Endrin aldehyde	8.63	1.50	8.63	U
5103-71-9	alpha-Chlordane	5.39	1.56	5.39	U
5566-34-7	gamma-Chlordane	5.39	1.42	5.39	U
8001-35-2	Toxaphene	108	46.9	108	U
57-74-9	Chlordane	21.6	20.1	21.6	U
15972-60-8	Alachlor	5.39	1.44	5.39	U

lw 6/6/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	1979614P.D
Sampled:	03/31/16 15:30	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 13:40
% Solids:	90.44	Preparation:	SW846 3545A	Initial/Final:	20.1664 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.48	1.32	5.48	U
319-85-7	beta-BHC	5.48	1.55	5.48	U
319-86-8	delta-BHC	5.48	1.40	5.48	U
58-89-9	gamma-BHC (Lindane)	3.29	1.42	3.29	U
76-44-8	Heptachlor	5.48	1.44	5.48	U
309-00-2	Aldrin	5.48	1.49	5.48	U
1024-57-3	Heptachlor epoxide	5.48	1.52	5.48	U
959-98-8	Endosulfan I	5.48	1.59	5.48	U
60-57-1	Dieldrin	5.48	1.53	5.48	U
72-55-9	4,4'-DDE (p,p')	5.48	1.47	5.48	U
72-20-8	Endrin	8.77	1.69	8.77	U
33213-65-9	Endosulfan II	8.77	1.63	8.77	U
72-54-8	4,4'-DDD (p,p')	8.77	1.57	8.77	U
1031-07-8	Endosulfan sulfate	8.77	1.73	8.77	U
50-29-3	4,4'-DDT (p,p')	8.77	1.61	8.77	U
72-43-5	Methoxychlor	8.77	1.69	8.77	U
53494-70-5	Endrin ketone	8.77	1.67	8.77	U
7421-93-4	Endrin aldehyde	8.77	1.53	8.77	U
5103-71-9	alpha-Chlordane	5.48	1.59	5.48	U
5566-34-7	gamma-Chlordane	5.48	1.44	5.48	U
8001-35-2	Toxaphene	110	47.7	110	U
57-74-9	Chlordane	21.9	20.4	21.9	U
15972-60-8	Alachlor	5.48	1.46	5.48	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/01/16 13:51		
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	1979616P.D		
Sampled:	03/31/16 16:30	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 13:58		
% Solids:	92.03	Preparation:	SW846 3545A	Initial/Final:	20.1469 g / 10 ml		
Batch:	1605836	Sequence:	S602910	Calibration:	1509037	Instrument:	HPS14
Injection Volume (uL):	2.00						
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.39	1.30	5.39	U
319-85-7	beta-BHC	5.39	1.53	5.39	U
319-86-8	delta-BHC	5.39	1.37	5.39	U
58-89-9	gamma-BHC (Lindane)	3.24	1.40	3.24	U
76-44-8	Heptachlor	5.39	1.42	5.39	U
309-00-2	Aldrin	5.39	1.46	5.39	U
1024-57-3	Heptachlor epoxide	5.39	1.49	5.39	U
959-98-8	Endosulfan I	5.39	1.56	5.39	U
60-57-1	Dieldrin	5.39	1.51	5.39	U
72-55-9	4,4'-DDE (p,p')	5.39	1.44	5.39	U
72-20-8	Endrin	8.63	1.67	8.63	U
33213-65-9	Endosulfan II	8.63	1.60	8.63	U
72-54-8	4,4'-DDD (p,p')	8.63	1.55	8.63	U
1031-07-8	Endosulfan sulfate	8.63	1.70	8.63	U
50-29-3	4,4'-DDT (p,p')	8.63	1.58	8.63	U
72-43-5	Methoxychlor	8.63	1.66	8.63	U
53494-70-5	Endrin ketone	8.63	1.64	8.63	U
7421-93-4	Endrin aldehyde	8.63	1.50	8.63	U
5103-71-9	alpha-Chlordane	5.39	1.56	5.39	U
5566-34-7	gamma-Chlordane	5.39	1.42	5.39	U
8001-35-2	Toxaphene	108	46.9	108	U
57-74-9	Chlordane	21.6	20.1	21.6	U
15972-60-8	Alachlor	5.39	1.44	5.39	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	1979617P.D
Sampled:	03/31/16 17:30	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 14:15
% Solids:	93.84	Preparation:	SW846 3545A	Initial/Final:	20.0397 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.32	1.28	5.32	U
319-85-7	beta-BHC	5.32	1.51	5.32	U
319-86-8	delta-BHC	5.32	1.35	5.32	U
58-89-9	gamma-BHC (Lindane)	3.19	1.38	3.19	U
76-44-8	Heptachlor	5.32	1.40	5.32	U
309-00-2	Aldrin	5.32	1.44	5.32	U
1024-57-3	Heptachlor epoxide	5.32	1.47	5.32	U
959-98-8	Endosulfan I	5.32	1.54	5.32	U
60-57-1	Dieldrin	5.32	1.49	5.32	U
72-55-9	4,4'-DDE (p,p')	5.32	1.42	5.32	U
72-20-8	Endrin	8.51	1.64	8.51	U
33213-65-9	Endosulfan II	8.51	1.58	8.51	U
72-54-8	4,4'-DDD (p,p')	8.51	1.52	8.51	U
1031-07-8	Endosulfan sulfate	8.51	1.68	8.51	U
50-29-3	4,4'-DDT (p,p')	8.51	1.56	8.51	U
72-43-5	Methoxychlor	8.51	1.64	8.51	U
53494-70-5	Endrin ketone	8.51	1.62	8.51	U
7421-93-4	Endrin aldehyde	8.51	1.48	8.51	U
5103-71-9	alpha-Chlordane	5.32	1.54	5.32	U
5566-34-7	gamma-Chlordane	5.32	1.40	5.32	U
8001-35-2	Toxaphene	106	46.3	106	U
57-74-9	Chlordane	21.3	19.8	21.3	U
15972-60-8	Alachlor	5.32	1.42	5.32	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	1979618P.D
Sampled:	03/31/16 18:10	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 14:32
% Solids:	90.76	Preparation:	SW846 3545A	Initial/Final:	20.066 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.49	1.32	5.49	U
319-85-7	beta-BHC	5.49	1.56	5.49	U
319-86-8	delta-BHC	5.49	1.40	5.49	U
58-89-9	gamma-BHC (Lindane)	3.29	1.42	3.29	U
76-44-8	Heptachlor	5.49	1.44	5.49	U
309-00-2	Aldrin	5.49	1.49	5.49	U
1024-57-3	Heptachlor epoxide	5.49	1.52	5.49	U
959-98-8	Endosulfan I	5.49	1.59	5.49	U
60-57-1	Dieldrin	5.49	1.54	5.49	U
72-55-9	4,4'-DDE (p,p')	5.49	1.47	5.49	U
72-20-8	Endrin	8.79	1.70	8.79	U
33213-65-9	Endosulfan II	8.79	1.63	8.79	U
72-54-8	4,4'-DDD (p,p')	8.79	1.57	8.79	U
1031-07-8	Endosulfan sulfate	8.79	1.73	8.79	U
50-29-3	4,4'-DDT (p,p')	8.79	1.61	8.79	U
72-43-5	Methoxychlor	8.79	1.69	8.79	U
53494-70-5	Endrin ketone	8.79	1.67	8.79	U
7421-93-4	Endrin aldehyde	8.79	1.53	8.79	U
5103-71-9	alpha-Chlordane	5.49	1.59	5.49	U
5566-34-7	gamma-Chlordane	5.49	1.44	5.49	U
8001-35-2	Toxaphene	110	47.8	110	U
57-74-9	Chlordane	22.0	20.4	22.0	U
15972-60-8	Alachlor	5.49	1.47	5.49	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	1979619P.D
Sampled:	03/31/16 19:45	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 14:50
% Solids:	90.79	Preparation:	SW846 3545A	Initial/Final:	20.176 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.46	1.31	5.46	U
319-85-7	beta-BHC	5.46	1.55	5.46	U
319-86-8	delta-BHC	5.46	1.39	5.46	U
58-89-9	gamma-BHC (Lindane)	3.28	1.42	3.28	U
76-44-8	Heptachlor	5.46	1.43	5.46	U
309-00-2	Aldrin	5.46	1.48	5.46	U
1024-57-3	Heptachlor epoxide	5.46	1.51	5.46	U
959-98-8	Endosulfan I	5.46	1.58	5.46	U
60-57-1	Dieldrin	5.46	1.53	5.46	U
72-55-9	4,4'-DDE (p,p')	5.46	1.46	5.46	U
72-20-8	Endrin	8.74	1.69	8.74	U
33213-65-9	Endosulfan II	8.74	1.62	8.74	U
72-54-8	4,4'-DDD (p,p')	8.74	1.56	8.74	U
1031-07-8	Endosulfan sulfate	8.74	1.72	8.74	U
50-29-3	4,4'-DDT (p,p')	8.74	1.60	8.74	U
72-43-5	Methoxychlor	8.74	1.68	8.74	U
53494-70-5	Endrin ketone	8.74	1.66	8.74	U
7421-93-4	Endrin aldehyde	8.74	1.52	8.74	U
5103-71-9	alpha-Chlordane	5.46	1.58	5.46	U
5566-34-7	gamma-Chlordane	5.46	1.43	5.46	U
8001-35-2	Toxaphene	109	47.5	109	U
57-74-9	Chlordane	21.8	20.3	21.8	U
15972-60-8	Alachlor	5.46	1.46	5.46	U

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	20160412-126
Sampled:	03/31/16 14:55	Prepared:	04/11/16 11:45		
% Solids:	92.24	Preparation:	SW846 3050B	Initial/Final:	1.0103 g / 50 ml
Batch:	1605667	Sequence:	S602988	Calibration:	1604009
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.37	1	0.435	5.37	U J
7439-92-1	Lead	8.63	1	0.496	1.61	J
7439-95-4	Magnesium	21700	20	41.4	107	
7439-96-5	Manganese	401	1	0.703	1.07	J-
7440-02-0	Nickel	6.35	1	0.197	1.07	J-
7440-09-7	Potassium	2310	1	7.03	53.7	J
7782-49-2	Selenium	1.61	1	0.428	1.61	U
7440-23-5	Sodium	158	1	8.55	26.8	
7440-66-6	Zinc	38.8	1	0.983	1.07	J-
7429-90-5	Aluminum	4370	1	1.44	5.37	
7440-38-2	Arsenic	3.98	1	0.424	1.61	
7440-39-3	Barium	29.8	1	0.139	1.07	J
7440-41-7	Beryllium	0.334	1	0.0277	0.537	J
7440-43-9	Cadmium	0.215	1	0.0270	0.537	J
7440-70-2	Calcium	158000	20	222	537	
7440-47-3	Chromium	5.38	1	0.138	1.07	
7440-48-4	Cobalt	3.12	1	0.0636	1.07	J-
7440-50-8	Copper	9.42	1	0.199	1.07	
7439-89-6	Iron	11900	1	1.55	4.29	B J
7440-22-4	Silver	0.268	1	0.168	1.61	J-
7440-28-0	Thallium	64.4	20	14.5	64.4	U
7440-62-2	Vanadium	7.88	1	0.227	1.61	

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	20160412-127
Sampled:	03/31/16 15:30	Prepared:	04/11/16 11:45		
% Solids:	90.44	Preparation:	SW846 3050B	Initial/Final:	1.0883 g / 50 ml
Batch:	1605667	Sequence:	S602988	Calibration:	1604009
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.08	1	0.411	5.08	U
7439-92-1	Lead	17.0	1	0.469	1.52	
7439-95-4	Magnesium	31600	20	39.2	102	
7439-96-5	Manganese	294	1	0.665	1.02	
7440-02-0	Nickel	8.53	1	0.187	1.02	
7440-09-7	Potassium	3110	1	6.65	50.8	
7782-49-2	Selenium	1.52	1	0.405	1.52	U
7440-23-5	Sodium	228	1	8.10	25.4	
7440-66-6	Zinc	9.31	1	0.931	1.02	
7429-90-5	Aluminum	4820	1	1.36	5.08	
7440-38-2	Arsenic	5.17	1	0.401	1.52	
7440-39-3	Barium	23.2	1	0.132	1.02	
7440-41-7	Beryllium	0.326	1	0.0262	0.508	J
7440-43-9	Cadmium	0.137	1	0.0256	0.508	J
7440-70-2	Calcium	173000	20	210	508	
7440-47-3	Chromium	6.52	1	0.131	1.02	
7440-48-4	Cobalt	4.01	1	0.0602	1.02	
7440-50-8	Copper	8.96	1	0.188	1.02	
7439-89-6	Iron	9290	1	1.47	4.06	B
7440-22-4	Silver	0.239	1	0.160	1.52	J
7440-28-0	Thallium	6.10	2	1.37	6.10	U
7440-62-2	Vanadium	6.56	1	0.215	1.52	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	20160412-128
Sampled:	03/31/16 16:30	Prepared:	04/11/16 11:45		
% Solids:	92.03	Preparation:	SW846 3050B	Initial/Final:	1.0055 g / 50 ml
Batch:	1605667	Sequence:	S602988	Calibration:	1604009
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.40	1	0.438	5.40	U
7439-92-1	Lead	8.08	1	0.499	1.62	
7439-95-4	Magnesium	21000	20	41.7	108	
7439-96-5	Manganese	490	1	0.708	1.08	
7440-02-0	Nickel	9.06	1	0.199	1.08	
7440-09-7	Potassium	1890	1	7.08	54.0	
7782-49-2	Selenium	1.62	1	0.431	1.62	U
7440-23-5	Sodium	220	1	8.61	27.0	
7440-66-6	Zinc	12.7	1	0.990	1.08	
7429-90-5	Aluminum	3860	1	1.45	5.40	
7440-38-2	Arsenic	3.80	1	0.427	1.62	
7440-39-3	Barium	15.2	1	0.140	1.08	
7440-41-7	Beryllium	0.227	1	0.0279	0.540	J
7440-43-9	Cadmium	0.245	1	0.0272	0.540	J
7440-70-2	Calcium	149000	20	223	540	
7440-47-3	Chromium	5.27	1	0.139	1.08	
7440-48-4	Cobalt	3.16	1	0.0641	1.08	
7440-50-8	Copper	7.82	1	0.200	1.08	
7439-89-6	Iron	7860	1	1.56	4.32	B
7440-22-4	Silver	0.173	1	0.170	1.62	J
7440-28-0	Thallium	64.8	20	14.6	64.8	U
7440-62-2	Vanadium	6.46	1	0.229	1.62	

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	20160412-129
Sampled:	03/31/16 17:30	Prepared:	04/11/16 11:45		
% Solids:	93.84	Preparation:	SW846 3050B	Initial/Final:	1.0292 g / 50 ml
Batch:	1605667	Sequence:	S602988	Calibration:	1604009
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.18	1	0.419	5.18	U
7439-92-1	Lead	9.16	1	0.478	1.55	
7439-95-4	Magnesium	20000	20	39.9	104	
7439-96-5	Manganese	284	1	0.678	1.04	
7440-02-0	Nickel	36.4	1	0.191	1.04	
7440-09-7	Potassium	2190	1	6.78	51.8	
7782-49-2	Selenium	1.55	1	0.413	1.55	U
7440-23-5	Sodium	382	1	8.25	25.9	
7440-66-6	Zinc	119	1	0.948	1.04	
7429-90-5	Aluminum	3500	1	1.39	5.18	
7440-38-2	Arsenic	3.29	1	0.409	1.55	
7440-39-3	Barium	17.6	1	0.135	1.04	
7440-41-7	Beryllium	0.323	1	0.0267	0.518	J
7440-43-9	Cadmium	0.277	1	0.0261	0.518	J
7440-70-2	Calcium	203000	20	214	518	
7440-47-3	Chromium	5.42	1	0.134	1.04	
7440-48-4	Cobalt	2.33	1	0.0614	1.04	
7440-50-8	Copper	7.03	1	0.192	1.04	
7439-89-6	Iron	9190	1	1.50	4.14	B
7440-22-4	Silver	0.176	1	0.163	1.55	J
7440-28-0	Thallium	6.21	2	1.40	6.21	U
7440-62-2	Vanadium	5.97	1	0.220	1.55	

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	20160412-136
Sampled:	03/31/16 18:10	Prepared:	04/11/16 11:45		
% Solids:	90.76	Preparation:	SW846 3050B	Initial/Final:	1.0885 g / 50 ml
Batch:	1605667	Sequence:	S602988	Calibration:	1604009
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.06	1	0.410	5.06	U J
7439-92-1	Lead	6.93	1	0.468	1.52	J
7439-95-4	Magnesium	20100	20	39.0	101	
7439-96-5	Manganese	359	1	0.663	1.01	J-
7440-02-0	Nickel	77.1	1	0.186	1.01	J-
7440-09-7	Potassium	1870	1	6.63	50.6	J
7782-49-2	Selenium	1.52	1	0.404	1.52	U
7440-23-5	Sodium	182	1	8.07	25.3	
7440-66-6	Zinc	274	1	0.927	1.01	J-
7429-90-5	Aluminum	3670	1	1.36	5.06	
7440-38-2	Arsenic	4.01	1	0.400	1.52	
7440-39-3	Barium	12.7	1	0.132	1.01	J
7440-41-7	Beryllium	0.223	1	0.0261	0.506	J
7440-43-9	Cadmium	0.114	1	0.0255	0.506	J
7440-70-2	Calcium	120000	20	209	506	
7440-47-3	Chromium	7.18	1	0.131	1.01	
7440-48-4	Cobalt	4.29	1	0.0600	1.01	J-
7440-50-8	Copper	13.4	1	0.187	1.01	
7439-89-6	Iron	6740	1	1.46	4.05	B J
7440-22-4	Silver	0.466	1	0.159	1.52	J
7440-28-0	Thallium	3.04	1	0.684	3.04	U
7440-62-2	Vanadium	5.98	1	0.215	1.52	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	20160412-137
Sampled:	03/31/16 19:45	Prepared:	04/11/16 11:45		
% Solids:	90.79	Preparation:	SW846 3050B	Initial/Final:	1.0052 g / 50 ml
Batch:	1605667	Sequence:	S602988	Calibration:	1604009
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.48	1	0.444	5.48	U J
7439-92-1	Lead	6.68	1	0.506	1.64	J
7439-95-4	Magnesium	22500	20	42.3	110	
7439-96-5	Manganese	337	1	0.718	1.10	J
7440-02-0	Nickel	7.48	1	0.202	1.10	J
7440-09-7	Potassium	2290	1	7.18	54.8	J
7782-49-2	Selenium	1.64	1	0.437	1.64	U
7440-23-5	Sodium	256	1	8.73	27.4	
7440-66-6	Zinc	21.9	1	1.00	1.10	J
7429-90-5	Aluminum	4260	1	1.47	5.48	
7440-38-2	Arsenic	3.93	1	0.433	1.64	
7440-39-3	Barium	17.5	1	0.142	1.10	J
7440-41-7	Beryllium	0.258	1	0.0283	0.548	J
7440-43-9	Cadmium	0.127	1	0.0276	0.548	J
7440-70-2	Calcium	139000	20	227	548	
7440-47-3	Chromium	6.08	1	0.141	1.10	
7440-48-4	Cobalt	3.07	1	0.0650	1.10	J
7440-50-8	Copper	14.5	1	0.203	1.10	
7439-89-6	Iron	7940	1	1.58	4.38	B J
7440-22-4	Silver	0.290	1	0.172	1.64	J
7440-28-0	Thallium	3.29	1	0.741	3.29	U
7440-62-2	Vanadium	8.11	1	0.232	1.64	

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	041316-053
Sampled:	03/31/16 14:55	Prepared:	04/11/16 11:45		
% Solids:	92.24	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6885 g / 29.9 ml
Batch:	1605668	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0283	1	0.0089	0.0283	U

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	041316-054
Sampled:	03/31/16 15:30	Prepared:	04/11/16 11:45		
% Solids:	90.44	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.611 g / 29.9 ml
Batch:	1605668	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0326	1	0.0102	0.0326	U

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	041316-055
Sampled:	03/31/16 16:30	Prepared:	04/11/16 11:45		
% Solids:	92.03	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6195 g / 29.9 ml
Batch:	1605668	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0316	1	0.0099	0.0316	U

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	041316-056
Sampled:	03/31/16 17:30	Prepared:	04/11/16 11:45		
% Solids:	93.84	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6116 g / 29.9 ml
Batch:	1605668	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0314	1	0.0099	0.0314	U

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	041316-063
Sampled:	03/31/16 18:10	Prepared:	04/11/16 11:45		
% Solids:	90.76	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6856 g / 29.9 ml
Batch:	1605668	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0289	1	0.0091	0.0289	U

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	041316-064
Sampled:	03/31/16 19:45	Prepared:	04/11/16 11:45		
% Solids:	90.79	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6491 g / 29.9 ml
Batch:	1605668	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0305	1	0.0096	0.0305	U

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	1606152_041316-019
Sampled:	03/31/16 14:55	Prepared:	04/13/16 11:41	Analyzed:	04/13/16 18:18
% Solids:	92.24	Preparation:	General Preparation	Initial/Final:	0.5095 g / 50 ml
Batch:	1606152	Sequence:	S603006	Calibration:	1604019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.532	1	0.360	0.532	U

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	040816C1-019
Sampled:	03/31/16 15:30	Prepared:	04/08/16 10:50	Analyzed:	04/08/16 18:15
% Solids:	90.44	Preparation:	General Preparation	Initial/Final:	0.541 g / 50 ml
Batch:	1605864	Sequence:	S602891	Calibration:	1604008
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.711	1	0.345	0.511	

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	040816C1-020
Sampled:	03/31/16 16:30	Prepared:	04/08/16 10:50	Analyzed:	04/08/16 18:16
% Solids:	92.03	Preparation:	General Preparation	Initial/Final:	0.5321 g / 50 ml
Batch:	1605864	Sequence:	S602891	Calibration:	1604008
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.511	1	0.345	0.511	U

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	040816C1-021
Sampled:	03/31/16 17:30	Prepared:	04/08/16 10:50	Analyzed:	04/08/16 18:16
% Solids:	93.84	Preparation:	General Preparation	Initial/Final:	0.5153 g / 50 ml
Batch:	1605864	Sequence:	S602891	Calibration:	1604008
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.464	1	0.350	0.517	J

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	040816C1-022
Sampled:	03/31/16 18:10	Prepared:	04/08/16 10:50	Analyzed:	04/08/16 18:17
% Solids:	90.76	Preparation:	General Preparation	Initial/Final:	0.5422 g / 50 ml
Batch:	1605864	Sequence:	S602891	Calibration:	1604008
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.508	1	0.343	0.508	U

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	1606152_041316-023
Sampled:	03/31/16 19:45	Prepared:	04/13/16 11:41	Analyzed:	04/13/16 18:21
% Solids:	90.79	Preparation:	General Preparation	Initial/Final:	0.5389 g / 50 ml
Batch:	1606152	Sequence:	S603006	Calibration:	1604019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.511	1	0.345	0.511	U

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

027-TB-7 (0.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-07	File ID:	
Sampled:	03/29/16 11:30	Prepared:	04/08/16 13:30	Analyzed:	04/08/16 14:50
% Solids:	86.71	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605880	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	86.7	1			

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

028-TB-Z (0.6)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-08	File ID:	
Sampled:	03/29/16 11:45	Prepared:	04/08/16 13:30	Analyzed:	04/08/16 14:50
% Solids:	89.91	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605880	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	89.9	1			

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

029-TB-X (0.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-09	File ID:	
Sampled:	03/29/16 12:00	Prepared:	04/08/16 13:30	Analyzed:	04/08/16 14:50
% Solids:	94.02	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605880	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	94.0	1			

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

030-TB-G (6-8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-13	File ID:	
Sampled:	03/31/16 14:55	Prepared:	04/08/16 13:30	Analyzed:	04/08/16 14:50
% Solids:	92.24	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605880	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	92.2	1			

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

031-TB-U (7-9)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-14	File ID:	
Sampled:	03/31/16 15:30	Prepared:	04/08/16 13:30	Analyzed:	04/08/16 14:50
% Solids:	90.44	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605880	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	90.4	1			

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

032-TB-T (11-12)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-16	File ID:	
Sampled:	03/31/16 16:30	Prepared:	04/08/16 13:30	Analyzed:	04/08/16 14:50
% Solids:	92.03	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605880	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	92.0	1			

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

033-TB-J (6-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-17	File ID:	
Sampled:	03/31/16 17:30	Prepared:	04/08/16 13:30	Analyzed:	04/08/16 14:50
% Solids:	93.84	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605880	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	93.8	1			

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

034-TB-V (9.5-10.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-18	File ID:	
Sampled:	03/31/16 18:10	Prepared:	04/08/16 13:30	Analyzed:	04/08/16 14:50
% Solids:	90.76	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605880	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	90.8	1			

lw 6/6/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

035-TB-K (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19796
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/01/16 13:51
Matrix:	Soil	Laboratory ID:	SC19796-19	File ID:	
Sampled:	03/31/16 19:45	Prepared:	04/08/16 13:30	Analyzed:	04/08/16 14:50
% Solids:	90.79	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605880	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	90.8	1			

lw 6/6/16

ATTACHMENT B

CASE NARRATIVE & COC

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19796

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19796

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 9012B.

IV. PREPARATION

Soil/Sediment samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 9012B:

Lachat1 details: Lachat Quikchem 8000

Lachat2 details: Lachat Quikchem 8000

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1606152 from source sample 030-TB-G (6-8) (SC19796-13).

All method criteria were met.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1606152 from source sample 030-TB-G (6-8) (SC19796-13).

All method criteria were met.

E. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19796

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19796

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 7471B.

IV. PREPARATION

Soil/Sediment samples were prepared according to EPA200/SW7000 Series.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 7471B:

Mercury4 details: Leeman Labs Hydra IIAA Mercury Analyzer

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In sample S602992-CRL1:

CRL1 was run from an empty cup. It was repoured and rerun as CRL2, which passed within method limits.

Mercury

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605668 from source sample 033-TB-J (6-7) (SC19796-17).

All method criteria were met.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1605668 from source sample 033-TB-J (6-7) (SC19796-17).

All method criteria were met with the following exceptions:

Mercury in batch 1605668, lab sample 1605668-PS1 from source sample 033-TB-J (6-7) (SC19796-17): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

4. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1605668 from source sample 033-TB-J (6-7) (SC19796-17).

All method criteria were met.

E. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19796

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19796

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 6010C.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3050B.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 6010C:

ICAP details: Thermo ICAP 6000 series CETAC Autosampler

ICAP4 details: Thermo ICAP 6000 series CETAC Autosampler

All sample data within this SDG was generated after ICP-AES interelement corrections and background corrections were applied.

Samples are diluted when concentrations exceed the highest calibration standard in the associated curve, therefore Linear Ranges are not performed.

The lead calibration for S603034/1604021 is being flagged due to a rounding discrepancy. See the attached instrument calibration for further verification.

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In sample S602988-CRL2:

Low level calibration check failed, data was accepted due to sample concentrations being < RDL and estimated.

Silver

In sample S602988-CCV3:

Silver in sequence S602988, sample S602988-CCV3: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Iron in batch 1605667, sample 1605667-BLK1: The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605667 from source sample 033-TB-J (6-7) (SC19796-17).

In batch 1606129 from source sample 033-TB-J (6-7) (SC19796-17).

All method criteria were met with the following exceptions:

Iron in batch 1605667, lab sample 1605667-MS1 from source sample 033-TB-J (6-7) (SC19796-17): Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Aluminum, Iron in batch 1605667, lab sample 1605667-MS1 from source sample 033-TB-J (6-7) (SC19796-17): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Antimony in batch 1605667, lab sample 1605667-MS1 from source sample 033-TB-J (6-7) (SC19796-17): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Cadmium, Cobalt, Manganese, Nickel, Silver, Zinc in batch 1605667, lab sample 1605667-MS1 from source sample 033-TB-J (6-7) (SC19796-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Iron in batch 1605667, lab sample 1605667-MSD1 from source sample 033-TB-J (6-7) (SC19796-17): Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Zinc in batch 1605667, lab sample 1605667-MSD1 from source sample 033-TB-J (6-7) (SC19796-17): RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Aluminum, Iron in batch 1605667, lab sample 1605667-MSD1 from source sample 033-TB-J (6-7) (SC19796-17): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Antimony in batch 1605667, lab sample 1605667-MSD1 from source sample 033-TB-J (6-7) (SC19796-17): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Cadmium, Cobalt, Nickel in batch 1605667, lab sample 1605667-MSD1 from source sample 033-TB-J (6-7) (SC19796-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Calcium, Magnesium in batch 1606129, lab sample 1606129-MS1 from source sample 033-TB-J (6-7) (SC19796-17): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Lead, Potassium in batch 1606129, lab sample 1606129-MS1 from source sample 033-TB-J (6-7) (SC19796-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Calcium, Magnesium in batch 1606129, lab sample 1606129-MSD1 from source sample 033-TB-J (6-7) (SC19796-17): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Lead, Potassium in batch 1606129, lab sample 1606129-MSD1 from source sample 033-TB-J (6-7) (SC19796-17): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1605667 from source sample 033-TB-J (6-7) (SC19796-17).

All method criteria were met with the following exceptions:

Iron in batch 1605667, lab sample 1605667-PS1 from source sample 033-TB-J (6-7) (SC19796-17): Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Aluminum, Iron in batch 1605667, lab sample 1605667-PS1 from source sample 033-TB-J (6-7) (SC19796-17): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Cadmium, Cobalt, Manganese, Nickel, Silver, Zinc in batch 1605667, lab sample 1605667-PS1 from source sample 033-TB-J (6-7) (SC19796-17): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

4. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1605667 from source sample 033-TB-J (6-7) (SC19796-17).

In batch 1606129 from source sample 033-TB-J (6-7) (SC19796-17).

All method criteria were met with the following exceptions:

Iron in batch 1605667, sample 1605667-DUP1 from source sample 033-TB-J (6-7) (SC19796-17): Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Zinc in batch 1605667, sample 1605667-DUP1 from source sample 033-TB-J (6-7) (SC19796-17): The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Calcium, Magnesium in batch 1606129, sample 1606129-DUP1 from source sample 033-TB-J (6-7) (SC19796-17): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Thallium in batch 1606129, sample 1606129-DUP1 from source sample 033-TB-J (6-7) (SC19796-17): The Reporting Limit has been raised to account for matrix interference.

E. Serial Dilutions:

In batch S602988, lab sample S602988-SRD1 from source sample 030-TB-G (6-8) (SC19796-13): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Barium (12%), Iron (20%), Manganese (23%)

F. Samples:

All method criteria were met with the following exceptions:

Calcium, Magnesium in batch 1606129, samples 030-TB-G (6-8) (SC19796-13), 031-TB-U (7-9) (SC19796-14), 032-TB-T (11-12) (SC19796-16), 033-TB-J (6-7) (SC19796-17), 034-TB-V (9.5-10.5) (SC19796-18), 035-TB-K (10-11) (SC19796-19): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Thallium in batch 1606129, samples 030-TB-G (6-8) (SC19796-13), 031-TB-U (7-9) (SC19796-14), 032-TB-T (11-12) (SC19796-16), 033-TB-J (6-7) (SC19796-17): The Reporting Limit has been raised to account for matrix interference.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19796

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19796

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8081B.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8081B:

HPS14 details: Agilent 6890 RTX-CLPesticides 2 column (30m, 0.53mmID, 0.42um)
RTX-CLP confirmation column (30m, 0.53mmID, 0.5um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

A duplicate was analyzed.

In batch 1605836 from source sample 031-TB-U (7-9) (SC19796-14).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19796

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19796

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8082A.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8082A:

HPS11 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) and DB-5MS column ((30m, 0.53mmID 1.50 df)

HPS12 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) & RTX-CLPesticides2 Column (30m, 0.53mmID, 0.42um df)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met with the following exceptions:

4,4-DB-Octafluorobiphenyl (Sr) [2C] in batch 1605614, sample 030-TB-G (6-8) (SC19796-13): Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates with three required by program methods.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19796

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19796

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8270D, SW846 8270D.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8270D, SW846 8270D:

HPS5 details: Agilent 6890 with 5973 MS: Agilent HP-5MS (30M, 0.25mm, 0.25um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1602029:

Analyte quantified by quadratic type calibration: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitrophenol, Benzidine, Benzoic acid

This affected the following samples:

S601170-ICV1

In sample S602960-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Benzyl alcohol (-29.0%)
N-Nitrosodimethylamine (-23.0%)

Pentachlorophenol (-23.6%)
Pyridine (-63.2%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (79.4%)
Benzoic acid (-27.2%)

This affected the following samples:

032-TB-T (11-12), 033-TB-J (6-7), 035-TB-K (10-11), 1605941-BLK2, 1605941-BS2, 1605941-BSD2

In sample S602966-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

3-Nitroaniline (22.3%)
Benzyl alcohol (-27.0%)
Pyridine (-38.1%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (28.5%)
Benzoic acid (-28.1%)

This affected the following samples:

030-TB-G (6-8), 031-TB-U (7-9), 034-TB-V (9.5-10.5)

In sample S603047-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Indeno (1,2,3-cd) pyrene (20.2%)
Pentachlorophenol (-45.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (27.3%)
Benzoic acid (-25.8%)

This affected the following samples:

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1605941, sample 1605941-BLK2: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

Benzyl alcohol in batch 1605941, samples 1605941-BS2, 1605941-BSD2: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Benzyl alcohol in batch 1605941, sample 1605941-BSD2: RPD out of acceptance range.

Benzidine in batch 1605941, sample 1605941-BSD2: RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

In batch 1605941 BS:

Benzyl alcohol percent recovery 34 (40-140) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

030-TB-G (6-8), 031-TB-U (7-9), 032-TB-T (11-12), 033-TB-J (6-7), 034-TB-V (9.5-10.5), 035-TB-K (10-11)

In batch 1605941 BSD:

Benzidine RPD 35% (30%) is outside individual acceptance criteria.

Benzyl alcohol RPD 40% (30%) is outside individual acceptance criteria.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

In batch 1605941, sample 030-TB-G (6-8) (SC19796-13): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

In batch 1605941, samples 031-TB-U (7-9) (SC19796-14), 034-TB-V (9.5-10.5) (SC19796-18): The Reporting Limit has been raised to account for matrix interference.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19796

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19796

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8260C, SW846 8260C.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 5035A Soil (high level).

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

Soil/Sediment samples were prepared according to SW846 5035A Soil (low level).

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8260C, SW846 8260C:

HPV3 details: GC/MS Tekmar ALS 2016 and ALS 2032 purge and trap autosamplers
Tekmar 3100 sample concentrator Supelco vocarb 3000 (K) trap and
conditions used Agilent 7890A series gas chromatograph
Agilent 5975C Mass Selective Detector Column – DB-VRX,
20 meters, 0.18mm diameter 1.0um film

HPV9 details: GC/MS EST Model 8100 autosampler EST Encon sample concentrator
Supelco vocarb 3000 (K) trap and conditions used Agilent 6890N series
gas chromatograph Agilent 5975 Mass Selective Detector
Column – DB-VRX, 20 meters, 0.18mm diameter 1.0um film

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1603012:

The following analytes, Acetone and 2-Butanone (MEK), are flagged on Form VI – Initial Calibration Data, for ICAL 1603012/V3031016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 2-Butanone (MEK)

This affected the following samples:

S602008-ICV1

In calibration 1604002:

The following analytes, Acetone, 2-Butanone (MEK), 1,2-Dibromo-3-Chloropropane, 2-Hexanone (MBK) and 4-Methyl-2-Pentanone (MIBK) are flagged on Form VI – Initial Calibration Data, for ICAL 1604002/S9033016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromoform, Carbon disulfide, cis-1,3-Dichloropropene, Dibromochloromethane, Naphthalene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene

This affected the following samples:

S602799-CCV1, S602674-ICV1, 1605763-BSD1, 1605763-BS1, 1605763-BLK1, 034-TB-V (9.5-10.5), 033-TB-J (6-7)

In sample S602674-ICV1:

Analyte percent recovery is outside individual acceptance criteria (80-120).

2-Chlorotoluene (123%)

This affected the following samples:

033-TB-J (6-7), 034-TB-V (9.5-10.5), 1605763-BLK1, 1605763-BS1, 1605763-BSD1, S602799-CCV1

In sample S602799-CCV1:

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,4-Trichlorobenzene (-21.0%)
Naphthalene (-23.1%)

This affected the following samples:

033-TB-J (6-7), 034-TB-V (9.5-10.5), 1605763-BLK1, 1605763-BS1, 1605763-BSD1

In sample S602834-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-33.8%)
Bromoform (-22.2%)
Dichlorodifluoromethane (Freon12) (22.8%)
Tetrachloroethene (23.8%)
Tetrahydrofuran (-22.1%)
trans-1,4-Dichloro-2-butene (-24.3%)
Trichlorofluoromethane (Freon 11) (20.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Acetone (-35.4%)

This affected the following samples:

030-TB-G (6-8), 031-TB-U (7-9), 032-TB-T (11-12), 035-TB-K (10-11), 1605839-BLK1, 1605839-BS1, 1605839-BSD1

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1605763, sample 1605763-BLK1: None found

Tentatively Identified Compounds in batch 1605839, sample 1605839-BLK1: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

1,2-Dibromo-3-chloropropane in batch 1605839, samples 1605839-BS1, 1605839-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

In batch 1605839 BS/BSD:

1,2-Dibromo-3-chloropropane percent recoveries (69/67) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

030-TB-G (6-8), 031-TB-U (7-9), 032-TB-T (11-12), 035-TB-K (10-11)

Acetone percent recoveries (64/61) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

030-TB-G (6-8), 031-TB-U (7-9), 032-TB-T (11-12), 035-TB-K (10-11)

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

In batch 1605839, samples 030-TB-G (6-8) (SC19796-13), 031-TB-U (7-9) (SC19796-14), 032-TB-T (11-12) (SC19796-16), 035-TB-K (10-11) (SC19796-19): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification and Analytical Requirements Summary

Project Name: McAlpin - Rochester, NY SDG: SC19796

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
027-TB-P (11-12)	SC19796-01					-
027-TB-R (9-10)	SC19796-02					-
029-TB-O (10.5-11.5)	SC19796-03					-
030-TB-N (10-11)	SC19796-04					-
031-TB-W (2-3)	SC19796-05					-
032-TB-H (9-10)	SC19796-06					-
027-TB-Y (0.8)	SC19796-07			SW846 8082A		SM2540 G Mod.
028-TB-Z (0.6)	SC19796-08			SW846 8082A		SM2540 G Mod.
029-TB-X (0.8)	SC19796-09			SW846 8082A		SM2540 G Mod.
036-TB-M (11-12)	SC19796-10					-
037-TB-I (3-4)	SC19796-11					-
038-TB-I (10.7-11.7)	SC19796-12					-
030-TB-G (6-8)	SC19796-13	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
031-TB-U (7-9)	SC19796-14	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
041-TB-T (1-1.5)	SC19796-15					-
032-TB-T (11-12)	SC19796-16	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
033-TB-J (6-7)	SC19796-17	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
034-TB-V (9.5-10.5)	SC19796-18	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
035-TB-K (10-11)	SC19796-19	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
046-FB-03-28-2016	SC19796-20					
047-DUP2-(7-9)	SC19796-21					-

SC 19796 BM

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CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Ave
Rochester, NY

Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME

P.O No.: _____ Quote #: _____

Project No: 52115-16
Site Name: McAlpin
Location: 50 Balfour Dr Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

List Preservative Code below: 7

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	%Lipid	Check if chlorinated	QA/QC Reporting Notes: * additional charges may appply
SC19796-01	027-TB-P (11-12)	3/28/16	08:41	G	SO	3	1			X	X	X	X	X	X	X		Frozen 3/29/2016 17:30
02	028-TB-R (9-10)	3/28/16	9:44	G	SO	3	1			X	X	X	X	X	X	X		
03	029-TB-O (10.5-11.5)	3/28/16	11:00	G	SO	3	1			X	X	X	X	X	X	X		
04	030-TB-N (10-11)	3/28/16	12:00	G	SO	3	1			X	X	X	X	X	X	X		
05	031-TB-W (2-3)	3/28/16	13:50	G	SO	3	1			X	X	X	X	X	X	X		
06	032-TB-H (9-10)	3/29/16	09:00	G	SO	3	1			X	X	X	X	X	X	X		
07	~~033-TB-Y (8-8)~~ 033-TB-Y (10-11)	3/29/16	11:30	G	SO		1								X			charges per client request BM 4/6
08	~~034-TB-Z (10-11)~~ 034-TB-Z (10-11)	3/29/16	11:45	G	SO		1								X			
09	~~035-TB-X (8-8)~~ 035-TB-X (11-12)	3/29/16	12:00	G	SO		1								X			
10	036 TB-M (11-12)	3/29/16	13:00	G	SO	3	1			X	X	X	X	X	X	X		Frozen 3/29/2016 17:30

charged 10% per email 4/7 LC

Relinquished by:	Received by:	Date:	Time:
HMC	[illegible]	4/1/16	1351
[illegible]	JLH	4/5/16	1537
1.8 IO 1.8 IR 3 4/5/16			

Temp °C: Observed 0.5° Correction Factor 0 Corrected 0.5° IR ID # C1

- [x] EDD format: NYSDEC Equis
- [x] E-mail to: hmclennan@daymail.net jdanzinger@daymail.net

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [ ] Iced [x] Refrigerated [x] DI VOA Frozen [ ] Soil Jar Frozen

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? [ ] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[ ] Standard [ ] No QC [ ] DQA*
[ ] ASP A* [x] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other: _____
State-specific reporting standards:

Sample shipping address: 11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • www.EurofinsUS.com/Spectrum

Rev. Sep 2015

SC19796 Bm

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CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
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Report To: DAY Environmental
1563 Lyell Ave
Rochester, NY

Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME

P.O No.: _____ Quote #: _____

Project No: 52115-16
Site Name: McAlpin
Location: 50 Balfour Drive Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=distilled water X2=_____ X3=_____

G= Grab C=Compsite

List Preservative Code below: 7/2

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? [ ] Yes [ ] No
CT DPH RCP Report? [ ] Yes [ ] No
[ ] Standard [ ] No QC [ ] DQA*
[ ] ASP A* [x] ASP B*
[ ] NJ Reduced* [ ] NJ Full*
[ ] Tier II* [ ] Tier IV*
[ ] Other: _____
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		TCL VOA+TICs 8260	TCL SVOC+TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	Hold	Check if chlorinated	
SC19796-11	037-TB-I (3-4)	3/29/16	15:30	G	SO	3	1			Bm 4/16	X	X	X	X	X	X	X	☐	Frozen 3/29/2016 ↓ 17:30 hold spl
12	038-TB-I (10.7-11.7)	3/29/16	16:00	G	SO	3	1										X	☐	
13	039-TB-G (6-8)	3/31/16	14:55	G	SO	3	2				X	X	X	X	X	X		☐	Frozen 3/31/2016 21:29
14	040-TB-U (7-9)	3/31/16	15:30	G	SO	3	2				X	X	X	X	X	X		☐	Sample ID Name per analysis 4/1/16
15	041-TB-T (1-1.5)	3/31/16	16:15	G	SO		1										X	☐	hold spl
16	042-TB-J (11-12)	3/31/16	16:30	G	SO	3	1			Bm 4/16	X	X	X	X	X	X	X Rum	☐	Frozen 3/31/2016 21:33
17	043-TB-J (6-7)	3/31/16	17:30	G	SO	3	1			Bm 4/16	X	X	X	X	X	X	X Rum	☐	Frozen 3/31/16 21:37
18	044-TB-V (9.5-10.5)	3/31/16	18:10	G	SO	3	1			Bm 4/16	X	X	X	X	X	X	X Rum	☐	Frozen 3/31/16 21:42
19	045-TB-K (10-11)	3/31/16	19:45	G	SO	6	2				X	X	X	X	X	X		☐	Frozen 3/31/16 21:45 MS/MSD
20	046-FB-03282016	3/28/16	15:30	C	X1	3	3		2	Bm 4/16	X	X	X	X	X	X	X	☐	charges per client Bm 4/1

Relinquished by:	Received by:	Date:	Time:	Temp °C
HMC	Cap'tan	4/1/16	1351	Observed 0.5
Cap'tan	YLH	4/5/16	1537	Correction Factor 0
				Corrected 0.5
1.8 1.8 IR 3 CAS 4/1/16				IR ID# 01

[x] EDD format: NYSDEC EQuIS
[x] E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: [ ] Present [ ] Intact [ ] Broken
[ ] Ambient [x] Iced CAS 4/1/16 [ ] Refrigerated [x] DI VOA Frozen [ ] Soil Jar Frozen

SDG 19796 Page 10 of 3577

SC19796 BM

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CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

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Report To: DAY Environmental
1563 Lyell Ave
Rochester, NY

Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME

P.O No.: _____ Quote #: _____

Project No: 52115-16
Site Name: McAlpin
Location: 50 Balfour Dr, Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	Hold	Check if chlorinated
SC19796-21	047-DUP2-(7-9)	3/31/16	15:30	G	SO	3	1		8m 4/6	X	X	X	X	X	X	X	☐
																	☐
																	☐
																	☐
																	☐
																	☐
																	☐
																	☐
																	☐
																	☐
																	☐

List Preservative Code below: T

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Frozen 3/31/16 21:29

Charges per client
BM 4/6

Relinquished by:	Received by:	Date:	Time:	Temp °C
HMC		4/1/16	1351	Observed 0.5
	JLH	4/5/16	1537	Correction Factor 0
				Corrected 0.5
				IR ID # 01

☑ EDD format: NYSDEC EQuIS
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced CAE 4/1/16 ☑ Refrigerated ☒ DI VOA Frozen ☐ Soil Jar Frozen

4.1 / 0 / 1.8 IR 3 CAE 4/1/16

SC19796

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

☑ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed

Report To: DAY Environmental
1563 Lyell Ave
Rochester, NY, 14606
Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME

P.O. No.: _____ Quote #: _____

Project No: 5211S-16
Site Name: McAlpin
Location: 50 Balfour Dr., Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs & TICs 8260	TCL SVOCs & TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	Check if chlorinated	
07	027-TB-7 (0.8)	3/29/2016	11:30 AM	G	SO		1								X	☐	
08	028-TB-Z (0.6)	3/29/2016	11:45 AM	G	SO		1								X	☐	
09	029-TB-X (0.8)	3/29/2016	12:00 PM	G	SO		1								X	☐	
13	030-TB-G (6-8)	3/31/2016	2:55 PM	G	SO	3	2			X	X	X	X	X	X	☐	low level VOCs frozen 3/31/2016, 21
14	031-TB-U (7-9)	3/31/2016	3:30 PM	G	SO	3	2			X	X	X	X	X	X	☐	low level VOCs frozen 3/31/2016, 21
16	032-TB-T (11-12)	3/31/2016	4:30 PM	G	SO	3	1			X	X	X	X	X	X	☐	low level VOCs frozen 3/31/2016, 21
17	033-TB-J (6-7)	3/31/2016	5:30 PM	G	SO	3	1			X	X	X	X	X	X	☐	low level VOCs frozen 3/31/2016, 21
18	034-TB-V (9.5-10.5)	3/31/2016	6:10 PM	G	SO	3	1			X	X	X	X	X	X	☐	low level VOCs frozen 3/31/2016, 21
19	035-TB-K (10-11)	3/31/2016	7:45 PM	G	SO	6	2			X	X	X	X	X	X	☐	low level VOCs frozen 3/31/2016, 21
																☐	

List Preservative Code below: 7

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐
CT DPH RCP Report? ☐ Yes ☐
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
		4/1/2016	1:51:00 PM	Observed
				Correction Factor
				Corrected
				IR ID #

☑ EDD format: NYSDEC Equis
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Froz

WORK ORDER

Printed: 4/6/2016 1:47:15PM

SC19796

Eurofins Spectrum Analytical, Inc. - MA

Report To:
Day Environmental, Inc.
Heather McLennan
1563 Lyell Avenue
Rochester, NY 14606
Phone: (585) 454-0210
Fax: (585) 454-0825

Project #: 5211S-16
Project: McAlpin - Rochester, NY
Date Due: 12-Apr-16 17:00
Received By: Jessica Hoffman
Date Received: 01-Apr-16 13:51
Temperature: 0.5°C
PO #:

✓ Containers Intact	✓ Frozen vials
✓ Properly Labeled	Frozen soil jars
✓ COC/Labels Agree	State EDD
Received On Ice	✓ COC present
✓ Reed within hold time	Custody seal present
Air-tight containers (Encore device)	Custody seal intact
✓ Refrigerated	COC complete
DW Field QC	NY VOC 5035/5035A No

Lab ID	Client ID	Sampled	Lab Matrix / Report Matrix	Containers
SC19796-01	027-TB-P (11-12)	28-Mar-16 08:41	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-02	027-TB-R (9-10)	28-Mar-16 09:44	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-03	029-TB-O (10.5-11.5)	28-Mar-16 11:00	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-04	030-TB-N (10-11)	28-Mar-16 12:00	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-05	031-TB-W (2-3)	28-Mar-16 13:50	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-06	032-TB-H (9-10)	29-Mar-16 09:00	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-07	033-TB-Y (0.8)	29-Mar-16 11:30	Soil/Sediment / Soil	A - 4 oz. jar
SC19796-08	034-TB-Z (0.6)	29-Mar-16 11:45	Soil/Sediment / Soil	A - 4 oz. jar

SC19796

Eurofins Spectrum Analytical, Inc. - MA

Report To:
Day Environmental, Inc.
Heather McLennan
1563 Lyell Avenue
Rochester, NY 14606
Phone: (585) 454-0210
Fax: (585) 454-0825

Project #: 5211S-16
Project: McAlpin - Rochester, NY
Date Due: 12-Apr-16 17:00
Received By: Jessica Hoffman
Date Received: 01-Apr-16 13:51
Temperature: 0.5°C
PO #:

✓ Containers Intact	✓ Frozen vials
✓ Properly Labeled	Frozen soil jars
✓ COC/Labels Agree	State EDD
Received On Ice	✓ COC present
✓ Recd within hold time	Custody seal present
Air-tight containers (Encore device)	Custody seal intact
✓ Refrigerated	COC complete
DW Field QC	NY VOC 5035/5035A No

Lab ID	Client ID	Sampled	Lab Matrix / Report Matrix	Containers
SC19796-09	035-TB-X (0.8)	29-Mar-16 12:00	Soil/Sediment / Soil	A - 4 oz. jar
SC19796-10	036-TB-M (11-12)	29-Mar-16 13:00	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-11	037-TB-I (3-4)	29-Mar-16 15:30	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-12	038-TB-I (10.7-11.7)	29-Mar-16 16:00	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-13	039-TB-G (6-8)	31-Mar-16 14:55	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar E - 4 oz. jar
SC19796-14	040-TB-U (7-9)	31-Mar-16 15:30	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar E - 4 oz. jar
SC19796-15	041-TB-T (1-1.5)	31-Mar-16 16:15	Soil/Sediment / Soil	D - 4 oz. jar

WORK ORDER

Printed: 4/6/2016 1:47:15PM

SC19796

Eurofins Spectrum Analytical, Inc. - MA

Report To:

Day Environmental, Inc.
Heather McLennan
1563 Lyell Avenue
Rochester, NY 14606
Phone: (585) 454-0210
Fax: (585) 454-0825

Project #: 5211S-16
Project: McAlpin - Rochester, NY
Date Due: 12-Apr-16 17:00
Received By: Jessica Hoffman
Date Received: 01-Apr-16 13:51
Temperature: 0.5°C
PO #:

✓ Containers Intact	✓ Frozen vials
✓ Properly Labeled	Frozen soil jars
✓ COC/Labels Agree	State EDD
Received On Ice	✓ COC present
✓ Reed within hold time	Custody seal present
Air-tight containers (Encore device)	Custody seal intact
✓ Refrigerated	COC complete
DW Field QC	NY VOC 5035/5035A No

Lab ID	Client ID	Sampled	Lab Matrix / Report Matrix	Containers
SC19796-16	042-TB-T (11-12)	31-Mar-16 16:30	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-17	043-TB-J (6-7)	31-Mar-16 17:30	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-18	044-TB-V (9.5-10.5)	31-Mar-16 18:10	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar
SC19796-19	045-TB-K (10-11)	31-Mar-16 19:45	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - CH3OH 15ml C - Voa Vial - H2O D - Voa Vial - H2O E - Voa Vial - H2O F - Voa Vial - H2O G - 4 oz. jar H - 4 oz. jar
SC19796-20	046-FB-03-28-2016	28-Mar-16 15:30	Aqueous / Distilled Water	A - Voa Vial - HCl B - Voa Vial - HCl C - Voa Vial - HCl D - 1L Amber - Unpres. E - 1L Amber - Unpres. F - 1L Amber - Unpres. G - 500 mL Poly HNO3 H - 500 mL Poly NaOH

WORK ORDER

Printed: 4/6/2016 1:47:15PM

SC19796

Eurofins Spectrum Analytical, Inc. - MA

Report To:
Day Environmental, Inc.
Heather McLennan
1563 Lyell Avenue
Rochester, NY 14606
Phone: (585) 454-0210
Fax: (585) 454-0825

Project #: 5211S-16
Project: McAlpin - Rochester, NY
Date Due: 12-Apr-16 17:00
Received By: Jessica Hoffman
Date Received: 01-Apr-16 13:51
Temperature: 0.5°C
PO #:

✓ Containers Intact	✓ Frozen vials
✓ Properly Labeled	Frozen soil jars
✓ COC/Labels Agree	State EDD
Received On Ice	✓ COC present
✓ Reed within hold time	Custody seal present
Air-tight containers (Encore device)	Custody seal intact
✓ Refrigerated	COC complete
DW Field QC	NY VOC 5035/5035A No

Lab ID	Client ID	Sampled	Lab Matrix / Report Matrix	Containers
SC19796-21	047-DUP2-(7-9)	31-Mar-16 15:30	Soil/Sediment / Soil	A - Voa Vial - CH3OH 15ml B - Voa Vial - H2O C - Voa Vial - H2O D - 4 oz. jar

SC19796

Eurofins Spectrum Analytical, Inc. - MA

Analysis	Due	TAT	Comments
SC19796-01 027-TB-P (11-12)			
Sample Disposal Charge	12-Apr-16 16:00	7	
SC19796-02 027-TB-R (9-10)			
Sample Disposal Charge	"	"	
SC19796-03 029-TB-O (10.5-11.5)			
Sample Disposal Charge	"	"	
SC19796-04 030-TB-N (10-11)			
Sample Disposal Charge	"	"	
SC19796-05 031-TB-W (2-3)			
Sample Disposal Charge	"	"	
SC19796-06 032-TB-H (9-10)			
Sample Disposal Charge	"	"	
SC19796-07 033-TB-Y (0.8)			
8082 PCBs Tier	"	"	ASP B/Report J & U Flags
Solid, Dry Weight	"	"	"
SC19796-08 034-TB-Z (0.6)			
8082 PCBs Tier	"	"	"
Solid, Dry Weight	"	"	"
SC19796-09 035-TB-X (0.8)			
8082 PCBs Tier	"	"	"
Solid, Dry Weight	"	"	"
SC19796-10 036-TB-M (11-12)			
Sample Disposal Charge	"	"	
SC19796-11 037-TB-I (3-4)			
Sample Disposal Charge	"	"	
SC19796-12 038-TB-I (10.7-11.7)			
Sample Disposal Charge	"	"	
SC19796-13 039-TB-G (6-8)			
@VOC Soil Extraction	"	"	ASP B/Report J & U Flags
8081 Pesticides Tier	"	"	"
8082 PCBs Tier	"	"	"
8260 CAM-NH	"	"	"
8270 Full List	"	"	"
8270 SVOCS TICS	"	"	"
Solid, Dry Weight	"	"	"
TAL23 Metals Total 6010	"	"	"
VOCTICs	"	"	"
wc-Cyanide, Total	"	"	"

SC19796

Eurofins Spectrum Analytical, Inc. - MA

Analysis	Due	TAT	Comments
SC19796-14 040-TB-U (7-9)			
@VOC Soil Extraction	12-Apr-16 16:00	7	ASP B/Report J & U Flags
8081 Pesticides Tier	"	"	"
8082 PCBs Tier	"	"	"
8260 CAM-NH	"	"	"
8270 Full List	"	"	"
8270 SVOCS TICS	"	"	"
Solid, Dry Weight	"	"	"
TAL23 Metals Total 6010	"	"	"
VOCTICs	"	"	"
wc-Cyanide, Total	"	"	"
SC19796-15 041-TB-T (1-1.5)			
Sample Disposal Charge	"	"	
SC19796-16 042-TB-T (11-12)			
Sample Disposal Charge	"	"	
SC19796-17 043-TB-J (6-7)			
Sample Disposal Charge	"	"	
SC19796-18 044-TB-V (9.5-10.5)			
Sample Disposal Charge	"	"	
SC19796-19 045-TB-K (10-11)			
@VOC Soil Extraction	"	"	ASP B/Report J & U Flags
8081 Pesticides Tier	"	"	"
8082 PCBs Tier	"	"	"
8260 CAM-NH	"	"	"
8270 Full List	"	"	"
8270 SVOCS TICS	"	"	"
Solid, Dry Weight	"	"	"
TAL23 Metals Total 6010	"	"	"
VOCTICs	"	"	"
wc-Cyanide, Total	"	"	"
SC19796-20 046-FB-03-28-2016			
[NO ANALYSES]			
SC19796-21 047-DUP2-(7-9)			
Sample Disposal Charge	12-Apr-16 16:00	7	

EUROFINS SPECTRUM ANALYTICAL, INC.

SAMPLE INTEGRITY FORM

Sample ID			Preservative Added						Notes
	Initial pH - Element # 16A1255	Sample split	50% HCl - Element # 15D1359	50% H2SO4 - Element # 15H0773	50% NaOH - Element # 15J0753	Final pH	Chlorinated? (Y/N)	10% Na2S2O3 - Element # 15D0952	Work Order No. SC19796 Solid samples for VOC analyses: ____ Submitted in SA provided CH3OH/DI/NaHSO4 vials ____ Submitted in CH3OH/DI/NaHSO4, not SA ____ Not submitted in CH3OH/DI/NaHSO4
20D,E,F	7								
~~ORG~~ 4/5/16									
20H	12								

Notes:

COC login reviewed by: ____ Login Analyst Initials: ____

Date: 4/5/2016 (Rev. 2/5/2013)

Elie Makhoul [Agawam]

From: Heather McLennan [hmclennan@daymail.net]
Sent: Wednesday, April 06, 2016 3:32 PM
To: Elie Makhoul [Agawam]
Cc: Sample Dept; Jeff Danzinger
Subject: RE: possible sample (McAlpin)

Thanks Elie, please proceed with the three samples referenced below. We have resampled the other test borings so we will likely not need the other samples (i.e., the samples from 3/28/16 & 3/29/16) but please keep them on hold just in case ☺
I will send the revised CoC for both this CoC and the CoC sent without analysis requested either today or tomorrow, as we will need to redo our numbering system.
Also, I'm not sure if I said yesterday that the FB-03-28-2016 can be ignored, we will collect another field blank sample.
Sorry to be such a pain! I appreciate all the help.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

From: Elie Makhoul [Agawam] [mailto:ElieMakhoul@EurofinsUS.com]
Sent: Wednesday, April 06, 2016 3:23 PM
To: Heather McLennan
Cc: Sample Dept
Subject: RE: possible sample (McAlpin)

Hi Heather,
We will be able to run all analyses for the samples below. We might need to cut a little bit on volume but the RLs won't be affected. Do you want me to see if we can do the same for the other samples on hold?

Elie,

From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Wednesday, April 06, 2016 2:48 PM
To: Elie Makhoul [Agawam]
Subject: possible sample (McAlpin)

- 042-TB-T (11-12)

Elie Makhoul [Agawam]

From: Elie Makhoul [Agawam]
Sent: Wednesday, April 06, 2016 12:33 PM
To: 'Heather McLennan'
Cc: Rebecca Merz [Agawam]; Sample Dept; Jeff Danzinger
Subject: RE: 5211S-16.OBI (McAlpin Project)

Heather,
Sorry for the delay. I was out of the office and just came back. Yes, we should have enough volume to run all analyses requested for the samples that have 2 jars. We do have to skip the MS/MSD though. We will hold the rest of the samples including the Field Blank. I will get back to you as soon as possible regarding the 2 page chain that was submitted on hold.

Regards,
Elie

From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Tuesday, April 05, 2016 5:18 PM
To: Elie Makhoul [Agawam]
Cc: Rebecca Merz [Agawam]; Sample Dept; Jeff Danzinger
Subject: RE: 5211S-16.OBI (McAlpin Project)

Hi Elie,
Do you have enough sample of the following to do the full requested analysis?

- 039-TB-G (6-8)
- 040 – TB-U (7-9)
- 045-TB-K (10-11) (we could skip the MS/MSD)

The samples listed above had 2 x 4 oz jars. If so, please proceed with these analyses as well as the PCBs for

- 033-TB-Y (0.8)
- 034-TB-Z (0.6)
- 035-TB-X (0.8)

We will hold the remainder until further notice.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

From: Elie Makhoul [Agawam] [mailto:ElieMakhoul@EurofinsUS.com]

Sent: Tuesday, April 05, 2016 4:35 PM
To: Heather McLennan
Cc: Rebecca Merz [Agawam]; Sample Dept
Subject: RE: 5211S-16.OBI (McAlpin Project)

Hi Heather,
We don't have enough volume to run all the analyses below from 1 4-Oz jar. If you want, you can prioritize the analyses and we will run them in that order for you. Please note that the samples will start expiring on 4/11; therefore, we need to know as soon as possible how you want us to proceed.

Also, we unfortunately weren't able to save the holding time on the Field Blank sample (046-FB-03-28-2016). The sample was collected on 3/28 and expired yesterday 4/4. Crystal got back late from Rochester on Friday and there wasn't enough time to send the sample to MA. Please note that there will be "**no charge**" for any analyses done on the Field blank sample. We apologize for the inconvenience.

Regards,
Elie

From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Friday, April 01, 2016 12:10 PM
To: Elie Makhoul [Agawam]
Cc: Rebecca Merz [Agawam]
Subject: 5211S-16.OBI (McAlpin Project)

Hi Elie,
Some of the soil samples that are being picked up today for the McAlpin project have a limited amount of soil (i.e., for some there is 1 x 4-oz jar of rocky soil). We are requesting analysis of the following:

- TCL VOCs & TICs 8260
- TCL SVOCs & TICs 8270
- TAL Metals 6010/7471
- Cyanide 9012
- Pesticides 8081
- PCBs 8082

For submissions that won't have sufficient sample quantity to complete all of the above please let me know and hold the sample (both the VOCs & the remainder) until further direction.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

Lisa Chaffee [Agawam]

From: Elie Makhoul [Agawam]
Sent: Thursday, April 07, 2016 11:52 AM
To: Client Services Dept
Cc: Sample Dept
Subject: FW: Emailing: revised CoC for 4.1.2016 pickup, 4.1.2016 original

Attachments: scan_0019.pdf

scan_0019.pdf
(865 KB)

Please revise the IDs on the chain for SC19796 and attached the revised chain. Thanks!

Elie,

-----Original Message-----
From: Heather McLennan [mailto:hmclennan@daymail.net]
Sent: Thursday, April 07, 2016 10:26 AM
To: Elie Makhoul [Agawam]
Subject: Emailing: revised CoC for 4.1.2016 pickup, 4.1.2016 original

Hi Elie,
Attached is a revised CoC in relation to the samples picked up the Spectrum courier on 4/1/2016 for the McAlpin project. I have added in sample numbers for our purposes and I think the samples are those we agreed could be analyzed, although potentially with slightly smaller sample size.
Please contact me with any questions.
Thanks,
Heather

Heather McLennan
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Fax: (585) 454-0825

DATA USABILITY SUMMARY REPORT

For

McALPIN - ROCHESTER, NY / 5211S-16
SOIL SAMPLES

Volatiles, Semi-volatiles, Pesticides, PCBs, Metals, Mercury and Cyanide

SDG No: SC19869
Sampling Dates: April 1, 2016

Submitted to:

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Prepared by:
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DATA USABILITY SUMMARY REPORT
Volatiles, Semi-volatiles, Pesticide, PCB, Metals & Cyanides
USEPA REGION II

Site: McAlpin SDG #: SC19869

Client: Day Environmental, Inc. Date: June 6, 2016

Laboratory: Spectrum Analytical Reviewer: L. Wright

Sample Identification Table

Client Sample ID	Laboratory ID	Matrix	VOCs	SVOC	Pest/ PCB	Metals/ Mercury	Cyanide
036-DUP3 (9-11)	SC19869-01	Soil	X	X	X	X	X
037-TBAA (10-11)	SC19869-03	Soil	X	X	X	X	X
038-TB-BB (9-11)	SC19869-05	Soil	X	X	X	X	X
039-TB-CC (9-11.4)	SC19869-07	Soil	X	X	X	X	X
040-TB-DD (5-7)	SC19869-08	Soil	X	X	X	X	X
041-TB-S (6.5-7.5)	SC19869-10	Soil	X	X	X	X	X
042-TB-Q (10-11)	SC19869-14	Soil	X	X	X	X	X

The data package contained seven (7) soil samples. The samples were analyzed via Method SW-846 8260C, 8270D, 8081B, 8082A 6010C, 7471A and 9012B. The adherence of laboratory analytical performance to this method's analytical specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (DER-10, 11/09). USEPA Region II checklists were used as guidance documents. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, laboratory controls, surrogate recoveries, spike recoveries, and sample data. All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): All criteria were met. The deficiencies noted in the case narrative have been discussed in applicable sections.

Chain of Custody (COC): All were present.

Preservation: Method 5035A collection and preservation was acceptable.

Holding Time: Holding times were within acceptable criterion for all samples and analyses.

Blanks Quality Control: The results were acceptable.

Calibration Quality Control: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19869-03	2-Butanone (MEK) Vinyl chloride	UJ
SC19869-01 SC19869-03	Benzyl alcohol N-Nitrosodimethylamine	UJ

Sample Identification	Compound	Qualifier
SC19869-07	Pentachlorophenol Pyridine	
SC19869-05 SC19869-08	3-Nitroaniline Benzyl alcohol Pyridine	UJ
SC19869-10 SC19869-14	Pentachlorophenol	UJ

Laboratory Control Sample (LCS): The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19869-03	Acetone	UJ

Surrogates: The results were acceptable.

Matrix Spike: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19869-01 SC19869-03 SC19869-05 SC19869-07 SC19869-08 SC19869-10 SC19869-14	Lead, nickel	J-
	Potassium	J
	Antimony	UJ
SC19869-01 SC19869-05 SC19869-07 SC19869-10	Cadmium	J-
SC19869-03 SC19869-08 SC19869-14	Cadmium	UJ

Matrix Duplicate: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19869-01 SC19869-03 SC19869-05	Magnesium	J

Sample Identification	Compound	Qualifier
SC19869-07 SC19869-08 SC19869-10 SC19869-14		

Serial Dilution: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC19869-01 SC19869-03 SC19869-05 SC19869-07 SC19869-08 SC19869-10 SC19869-14	Manganese, aluminum, barium, chromium, cobalt , copper, iron	J

Internal Standards: The internal standards did not report any deficiencies and are acceptable.

Field Duplicates: The following are the RPDs for data points not previously qualified.

Compound/ element	Duplicate	Sample			RPD
Sodium	185	189	-4	187	2%
Zinc	891	614	277	752.5	-37%
Arsenic	2.61	2.49	0.12	2.55	-5%
Calcium	43500	39500	4000	41500	-10%
Vanadium	11.8	10.9	0.9	11.35	-8%

Compound Quantitation: The results are acceptable.

Additional Comments: The “D” qualifier was removed from the high level analyses.

Data usability: Data qualified with the “UJ” qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the “J” qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the “R” qualifier are not usable due to severe quality control issues. Data qualified with the “U” qualifier are usable as there are no quality control issues.

ATTACHMENT A

FORM 1s

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	1986901.D		
Sampled:	04/01/16 16:15	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 14:59		
% Solids:	78.19	Preparation:	SW846 5035A Soil (low leve	Initial/Final:	7.84 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5.5	2.1	5.5	U
67-64-1	Acetone	38.5	6.1	54.7	J
107-13-1	Acrylonitrile	5.5	1.3	5.5	U
71-43-2	Benzene	5.5	0.8	5.5	U
108-86-1	Bromobenzene	5.5	1.0	5.5	U
74-97-5	Bromochloromethane	5.5	2.2	5.5	U
75-27-4	Bromodichloromethane	5.5	1.1	5.5	U
75-25-2	Bromoform	5.5	1.4	5.5	U
74-83-9	Bromomethane	10.9	2.6	10.9	U
78-93-3	2-Butanone (MEK)	54.7	3.2	54.7	U
104-51-8	n-Butylbenzene	4.0	0.8	5.5	J
135-98-8	sec-Butylbenzene	3.3	1.2	5.5	J
98-06-6	tert-Butylbenzene	5.5	2.3	5.5	U
75-15-0	Carbon disulfide	5.5	1.5	10.9	J
56-23-5	Carbon tetrachloride	5.5	1.2	5.5	U
108-90-7	Chlorobenzene	5.5	0.8	5.5	U
75-00-3	Chloroethane	10.9	1.9	10.9	U
67-66-3	Chloroform	5.5	1.8	5.5	U
74-87-3	Chloromethane	10.9	1.5	10.9	U
95-49-8	2-Chlorotoluene	5.5	1.4	5.5	U
106-43-4	4-Chlorotoluene	5.5	1.1	5.5	U
96-12-8	1,2-Dibromo-3-chloropropane	10.9	4.0	10.9	U
124-48-1	Dibromochloromethane	5.5	1.1	5.5	U
106-93-4	1,2-Dibromoethane (EDB)	5.5	1.1	5.5	U
74-95-3	Dibromomethane	5.5	1.5	5.5	U
95-50-1	1,2-Dichlorobenzene	5.5	0.9	5.5	U
541-73-1	1,3-Dichlorobenzene	5.5	0.9	5.5	U
106-46-7	1,4-Dichlorobenzene	5.5	1.0	5.5	U
75-71-8	Dichlorodifluoromethane (Freon12)	10.9	1.6	10.9	U
75-34-3	1,1-Dichloroethane	5.5	1.7	5.5	U
107-06-2	1,2-Dichloroethane	5.5	1.3	5.5	U
75-35-4	1,1-Dichloroethene	51.6	1.7	5.5	
156-59-2	cis-1,2-Dichloroethene	~~4260~~	2.0	5.5	E
156-60-5	trans-1,2-Dichloroethene	9.2	2.4	5.5	
78-87-5	1,2-Dichloropropane	5.5	1.9	5.5	U
142-28-9	1,3-Dichloropropane	5.5	1.1	5.5	U
594-20-7	2,2-Dichloropropane	5.5	2.6	5.5	U
563-58-6	1,1-Dichloropropene	5.5	1.4	5.5	U
10061-01-5	cis-1,3-Dichloropropene	5.5	1.0	5.5	U

*Use high level result

~~lw 6/12/16~~

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	1986901.D		
Sampled:	04/01/16 16:15	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 14:59		
% Solids:	78.19	Preparation:	SW846 5035A Soil (low leve	Initial/Final:	7.84 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	5.5	1.8	5.5	U
100-41-4	Ethylbenzene	2.5	1.0	5.5	J
87-68-3	Hexachlorobutadiene	5.5	1.1	5.5	U
591-78-6	2-Hexanone (MBK)	54.7	3.7	54.7	U
98-82-8	Isopropylbenzene	1.8	1.0	5.5	J
99-87-6	4-Isopropyltoluene	0.8	0.7	5.5	J
1634-04-4	Methyl tert-butyl ether	5.5	1.2	5.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	19.8	2.7	54.7	J
75-09-2	Methylene chloride	10.9	1.6	10.9	U
91-20-3	Naphthalene	43.0	3.0	5.5	
103-65-1	n-Propylbenzene	0.9	0.8	5.5	J
100-42-5	Styrene	5.5	0.9	5.5	U
630-20-6	1,1,1,2-Tetrachloroethane	5.5	0.7	5.5	U
79-34-5	1,1,2,2-Tetrachloroethane	5.5	3.0	5.5	U
127-18-4	Tetrachloroethene	5.5	2.1	5.5	U
108-88-3	Toluene	4.6	1.3	5.5	J
87-61-6	1,2,3-Trichlorobenzene	5.5	3.1	5.5	U
120-82-1	1,2,4-Trichlorobenzene	5.5	1.8	5.5	U
71-55-6	1,1,1-Trichloroethane	5.5	1.4	5.5	U
108-70-3	1,3,5-Trichlorobenzene	5.5	1.1	5.5	U
79-00-5	1,1,2-Trichloroethane	5.5	1.1	5.5	U
79-01-6	Trichloroethene	2.4	0.8	5.5	J
75-69-4	Trichlorofluoromethane (Freon 11)	5.5	2.0	5.5	U
96-18-4	1,2,3-Trichloropropane	5.5	1.7	5.5	U
95-63-6	1,2,4-Trimethylbenzene	20.7	0.8	5.5	
108-67-8	1,3,5-Trimethylbenzene	5.6	0.7	5.5	
75-01-4	Vinyl chloride *Use high level result	~~964~~	~~2.1~~	~~5.5~~	~~E~~
179601-23-1	m,p-Xylene	9.7	1.1	10.9	J
95-47-6	o-Xylene	8.5	1.2	5.5	
109-99-9	Tetrahydrofuran	10.9	5.9	10.9	U
60-29-7	Ethyl ether	5.5	1.3	5.5	U
994-05-8	Tert-amyl methyl ether	5.5	2.1	5.5	U
637-92-3	Ethyl tert-butyl ether	5.5	2.1	5.5	U
108-20-3	Di-isopropyl ether	5.5	0.8	5.5	U
75-65-0	Tert-Butanol / butyl alcohol	54.7	23.1	54.7	U
110-57-6	trans-1,4-Dichloro-2-butene	27.4	7.1	27.4	U
110-82-7	Cyclohexane	6.6	1.3	27.4	J
1330-20-7	Total Xylenes	18.2	1.1	5.5	
79-20-9	Methyl acetate	27.4	2.2	27.4	U

~~lw 6/12/16~~

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	1986901.D		
Sampled:	04/01/16 16:15	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 14:59		
% Solids:	78.19	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.84 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	20.7	1.3	27.4	J
123-91-1	1,4-Dioxane	109	60.4	109	U
64-17-5	Ethanol	2190	126	2190	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	1986901.D
Sampled:	04/01/16 16:15	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 14:59
% Solids:	78.19	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.84 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000107-39-1	1-Pentene, 2,4,4-trimethyl-	5.545	230	JN
000107-40-4	2-Pentene, 2,4,4-trimethyl-	5.755	73	JN
95-36-3	Benzene, 1,2,3-trimethyl-	9.289	53	JN
124-18-5	Decane	8.832	220	JN
13151-35-4	Decane, 5-methyl-	9.362	44	JN
112-40-3	Dodecane	10.542	80	JN
111-84-2	Nonane	7.841	79	JN
1120-21-4	Undecane	9.724	210	JN
17301-23-4	Undecane, 2,6-dimethyl-	10.667	48	JN

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01RE1	File ID:	1986901RE1.D
Sampled:	04/01/16 16:15	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 18:02
% Solids:	78.19	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.4 g / 15 ml
Batch:	1605932	Sequence:	S602856	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	500		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1280	487	1280	UD
67-64-1	Acetone	12800	1420	12800	UD
107-13-1	Acrylonitrile	1280	314	1280	UD
71-43-2	Benzene	1280	191	1280	UD
108-86-1	Bromobenzene	1280	234	1280	UD
74-97-5	Bromochloromethane	1280	506	1280	UD
75-27-4	Bromodichloromethane	1280	265	1280	UD
75-25-2	Bromoform	1280	337	1280	UD
74-83-9	Bromomethane	2560	616	2560	UD
78-93-3	2-Butanone (MEK)	12800	744	12800	UD
104-51-8	n-Butylbenzene	1280	191	1280	UD
135-98-8	sec-Butylbenzene	1280	288	1280	UD
98-06-6	tert-Butylbenzene	1280	539	1280	UD
75-15-0	Carbon disulfide	2560	341	2560	UD
56-23-5	Carbon tetrachloride	1280	279	1280	UD
108-90-7	Chlorobenzene	1280	182	1280	UD
75-00-3	Chloroethane	2560	445	2560	UD
67-66-3	Chloroform	1280	424	1280	UD
74-87-3	Chloromethane	2560	356	2560	UD
95-49-8	2-Chlorotoluene	1280	333	1280	UD
106-43-4	4-Chlorotoluene	1280	250	1280	UD
96-12-8	1,2-Dibromo-3-chloropropane	2560	947	2560	UD
124-48-1	Dibromochloromethane	1280	263	1280	UD
106-93-4	1,2-Dibromoethane (EDB)	1280	256	1280	UD
74-95-3	Dibromomethane	1280	359	1280	UD
95-50-1	1,2-Dichlorobenzene	1280	208	1280	UD
541-73-1	1,3-Dichlorobenzene	1280	206	1280	UD
106-46-7	1,4-Dichlorobenzene	1280	234	1280	UD
75-71-8	Dichlorodifluoromethane (Freon12)	2560	378	2560	UD
75-34-3	1,1-Dichloroethane	1280	405	1280	UD
107-06-2	1,2-Dichloroethane	1280	311	1280	UD
75-35-4	1,1-Dichloroethene	1280	397	1280	UD
156-59-2	cis-1,2-Dichloroethene	9380	472	1280	D
156-60-5	trans-1,2-Dichloroethene	1280	551	1280	UD
78-87-5	1,2-Dichloropropane	1280	445	1280	UD
142-28-9	1,3-Dichloropropane	1280	251	1280	UD
594-20-7	2,2-Dichloropropane	1280	605	1280	UD
563-58-6	1,1-Dichloropropene	1280	319	1280	UD
10061-01-5	cis-1,3-Dichloropropene	1280	243	1280	UD

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-01RE1	File ID:	1986901RE1.D		
Sampled:	04/01/16 16:15	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 18:02		
% Solids:	78.19	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.4 g / 15 ml		
Batch:	1605932	Sequence:	S602856	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	500				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1280	432	1280	UD
100-41-4	Ethylbenzene	1280	226	1280	UD
87-68-3	Hexachlorobutadiene	1280	251	1280	UD
591-78-6	2-Hexanone (MBK)	12800	864	12800	UD
98-82-8	Isopropylbenzene	1280	243	1280	UD
99-87-6	4-Isopropyltoluene	1280	161	1280	UD
1634-04-4	Methyl tert-butyl ether	1280	278	1280	UD
108-10-1	4-Methyl-2-pentanone (MIBK)	12800	621	12800	UD
75-09-2	Methylene chloride	2560	373	2560	UD
91-20-3	Naphthalene	1280	711	1280	UD
103-65-1	n-Propylbenzene	1280	193	1280	UD
100-42-5	Styrene	1280	220	1280	UD
630-20-6	1,1,1,2-Tetrachloroethane	1280	159	1280	UD
79-34-5	1,1,2,2-Tetrachloroethane	1280	697	1280	UD
127-18-4	Tetrachloroethene	1280	488	1280	UD
108-88-3	Toluene	1280	295	1280	UD
87-61-6	1,2,3-Trichlorobenzene	1280	733	1280	UD
120-82-1	1,2,4-Trichlorobenzene	1280	414	1280	UD
71-55-6	1,1,1-Trichloroethane	1280	331	1280	UD
108-70-3	1,3,5-Trichlorobenzene	1280	252	1280	UD
79-00-5	1,1,2-Trichloroethane	1280	247	1280	UD
79-01-6	Trichloroethene	1280	196	1280	UD
75-69-4	Trichlorofluoromethane (Freon 11)	1280	463	1280	UD
96-18-4	1,2,3-Trichloropropane	1280	406	1280	UD
95-63-6	1,2,4-Trimethylbenzene	1280	182	1280	UD
108-67-8	1,3,5-Trimethylbenzene	1280	163	1280	UD
75-01-4	Vinyl chloride	1080	487	1280	JD
179601-23-1	m,p-Xylene	2560	252	2560	UD
95-47-6	o-Xylene	1280	273	1280	UD
109-99-9	Tetrahydrofuran	2560	1370	2560	UD
60-29-7	Ethyl ether	1280	296	1280	UD
994-05-8	Tert-amyl methyl ether	1280	488	1280	UD
637-92-3	Ethyl tert-butyl ether	1280	495	1280	UD
108-20-3	Di-isopropyl ether	1280	188	1280	UD
75-65-0	Tert-Butanol / butyl alcohol	12800	5420	12800	UD
110-57-6	trans-1,4-Dichloro-2-butene	6410	1660	6410	UD
64-17-5	Ethanol	513000	29500	513000	UD
110-82-7	Cyclohexane	6410	297	6410	UD
1330-20-7	Total Xylenes	1280	252	1280	UD

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-01RE1	File ID:	1986901RE1.D		
Sampled:	04/01/16 16:15	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 18:02		
% Solids:	78.19	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.4 g / 15 ml		
Batch:	1605932	Sequence:	S602856	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	500				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	6410	519	6410	UD
108-87-2	Methylcyclohexane	6410	304	6410	UD
123-91-1	1,4-Dioxane	25600	14100	25600	UD

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01RE1	File ID:	1986901RE1.D
Sampled:	04/01/16 16:15	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 18:02
% Solids:	78.19	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.4 g / 15 ml
Batch:	1605932	Sequence:	S602856	Calibration:	1603012
Reported to:	MRL	Dilution:	500		

Instrument: HPV3

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000638-36-8	Hexadecane, 2,6,10,14-tetra...	13.854	3900	JN
000575-43-9	Naphthalene, 1,6-dimethyl-	14.694	5300	JN
26730-14-3	Tridecane, 7-methyl-	12.851	4300	JN

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	1986903.D
Sampled:	04/01/16 17:05	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 15:29
% Solids:	82.79	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.66 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5.0	1.9	5.0	U
67-64-1	Acetone	10.1	5.5	49.8	J
107-13-1	Acrylonitrile	5.0	1.2	5.0	U
71-43-2	Benzene	5.0	0.7	5.0	U
108-86-1	Bromobenzene	5.0	0.9	5.0	U
74-97-5	Bromochloromethane	5.0	2.0	5.0	U
75-27-4	Bromodichloromethane	5.0	1.0	5.0	U
75-25-2	Bromoform	5.0	1.3	5.0	U
74-83-9	Bromomethane	10.0	2.4	10.0	U
78-93-3	2-Butanone (MEK)	49.8	2.9	49.8	U
104-51-8	n-Butylbenzene	5.0	0.7	5.0	U
135-98-8	sec-Butylbenzene	5.0	1.1	5.0	U
98-06-6	tert-Butylbenzene	5.0	2.1	5.0	U
75-15-0	Carbon disulfide	2.8	1.3	10.0	J
56-23-5	Carbon tetrachloride	5.0	1.1	5.0	U
108-90-7	Chlorobenzene	5.0	0.7	5.0	U
75-00-3	Chloroethane	10.0	1.7	10.0	U
67-66-3	Chloroform	5.0	1.6	5.0	U
74-87-3	Chloromethane	10.0	1.4	10.0	U
95-49-8	2-Chlorotoluene	5.0	1.3	5.0	U
106-43-4	4-Chlorotoluene	5.0	1.0	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	10.0	3.7	10.0	U
124-48-1	Dibromochloromethane	5.0	1.0	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	5.0	1.0	5.0	U
74-95-3	Dibromomethane	5.0	1.4	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	0.8	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	0.8	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	0.9	5.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	10.0	1.5	10.0	U
75-34-3	1,1-Dichloroethane	5.0	1.6	5.0	U
107-06-2	1,2-Dichloroethane	5.0	1.2	5.0	U
75-35-4	1,1-Dichloroethene	4.9	1.5	5.0	J
156-59-2	cis-1,2-Dichloroethene	43.9	1.8	5.0	
156-60-5	trans-1,2-Dichloroethene	5.0	2.1	5.0	U
78-87-5	1,2-Dichloropropane	5.0	1.7	5.0	U
142-28-9	1,3-Dichloropropane	5.0	1.0	5.0	U
594-20-7	2,2-Dichloropropane	5.0	2.4	5.0	U
563-58-6	1,1-Dichloropropene	5.0	1.2	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	0.9	5.0	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	1986903.D
Sampled:	04/01/16 17:05	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 15:29
% Solids:	82.79	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.66 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	5.0	1.7	5.0	U
100-41-4	Ethylbenzene	5.0	0.9	5.0	U
87-68-3	Hexachlorobutadiene	5.0	1.0	5.0	U
591-78-6	2-Hexanone (MBK)	49.8	3.4	49.8	U
98-82-8	Isopropylbenzene	5.0	0.9	5.0	U
99-87-6	4-Isopropyltoluene	5.0	0.6	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	1.1	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	49.8	2.4	49.8	U
75-09-2	Methylene chloride	10.0	1.4	10.0	U
91-20-3	Naphthalene	4.2	2.8	5.0	J
103-65-1	n-Propylbenzene	5.0	0.8	5.0	U
100-42-5	Styrene	5.0	0.9	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	0.6	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	2.7	5.0	U
127-18-4	Tetrachloroethene	5.0	1.9	5.0	U
108-88-3	Toluene	5.0	1.1	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	2.8	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	1.6	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	1.3	5.0	U
108-70-3	1,3,5-Trichlorobenzene	5.0	1.0	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	1.0	5.0	U
79-01-6	Trichloroethene *use high level result	~~481~~	~~0.8~~	~~5.0~~	~~E~~
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	1.8	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	1.6	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	0.7	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	0.6	5.0	U
75-01-4	Vinyl chloride	6.2	1.9	5.0	
179601-23-1	m,p-Xylene	10.0	1.0	10.0	U
95-47-6	o-Xylene	5.0	1.1	5.0	U
109-99-9	Tetrahydrofuran	10.0	5.3	10.0	U
60-29-7	Ethyl ether	5.0	1.2	5.0	U
994-05-8	Tert-amyl methyl ether	5.0	1.9	5.0	U
637-92-3	Ethyl tert-butyl ether	5.0	1.9	5.0	U
108-20-3	Di-isopropyl ether	5.0	0.7	5.0	U
75-65-0	Tert-Butanol / butyl alcohol	49.8	21.1	49.8	U
110-57-6	trans-1,4-Dichloro-2-butene	24.9	6.5	24.9	U
110-82-7	Cyclohexane	24.9	1.2	24.9	U
1330-20-7	Total Xylenes	5.0	1.0	5.0	U
79-20-9	Methyl acetate	24.9	2.0	24.9	U

~~lw 6/12/16~~

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	1986903.D		
Sampled:	04/01/16 17:05	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 15:29		
% Solids:	82.79	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.66 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	2.3	1.2	24.9	J
123-91-1	1,4-Dioxane	99.6	54.9	99.6	U
64-17-5	Ethanol	1990	115	1990	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	1986903.D		
Sampled:	04/01/16 17:05	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 15:29		
% Solids:	82.79	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.66 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03RE1	File ID:	1986903RE1.D
Sampled:	04/01/16 17:05	Prepared:	04/11/16 10:04	Analyzed:	04/11/16 13:17
% Solids:	82.79	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.1 g / 15 ml
Batch:	1605956	Sequence:	S602895	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	122	46.4	122	UD
67-64-1	Acetone	1220	135	1220	UD
107-13-1	Acrylonitrile	122	29.9	122	UD
71-43-2	Benzene	122	18.2	122	UD
108-86-1	Bromobenzene	122	22.4	122	UD
74-97-5	Bromochloromethane	122	48.3	122	UD
75-27-4	Bromodichloromethane	122	25.3	122	UD
75-25-2	Bromoform	122	32.1	122	UD
74-83-9	Bromomethane	244	58.8	244	UD
78-93-3	2-Butanone (MEK)	1220	71.0	1220	UD
104-51-8	n-Butylbenzene	122	18.2	122	UD
135-98-8	sec-Butylbenzene	172	27.5	122	D
98-06-6	tert-Butylbenzene	122	51.5	122	UD
75-15-0	Carbon disulfide	244	32.5	244	UD
56-23-5	Carbon tetrachloride	122	26.6	122	UD
108-90-7	Chlorobenzene	122	17.4	122	UD
75-00-3	Chloroethane	244	42.4	244	UD
67-66-3	Chloroform	122	40.5	122	UD
74-87-3	Chloromethane	244	34.0	244	UD
95-49-8	2-Chlorotoluene	122	31.8	122	UD
106-43-4	4-Chlorotoluene	122	23.8	122	UD
96-12-8	1,2-Dibromo-3-chloropropane	244	90.3	244	UD
124-48-1	Dibromochloromethane	122	25.1	122	UD
106-93-4	1,2-Dibromoethane (EDB)	122	24.4	122	UD
74-95-3	Dibromomethane	122	34.2	122	UD
95-50-1	1,2-Dichlorobenzene	122	19.8	122	UD
541-73-1	1,3-Dichlorobenzene	122	19.7	122	UD
106-46-7	1,4-Dichlorobenzene	122	22.4	122	UD
75-71-8	Dichlorodifluoromethane (Freon12)	244	36.1	244	UD
75-34-3	1,1-Dichloroethane	122	38.6	122	UD
107-06-2	1,2-Dichloroethane	122	29.7	122	UD
75-35-4	1,1-Dichloroethene	122	37.9	122	UD
156-59-2	cis-1,2-Dichloroethene	122	45.0	122	UD
156-60-5	trans-1,2-Dichloroethene	122	52.6	122	UD
78-87-5	1,2-Dichloropropane	122	42.4	122	UD
142-28-9	1,3-Dichloropropane	122	24.0	122	UD
594-20-7	2,2-Dichloropropane	122	57.7	122	UD
563-58-6	1,1-Dichloropropene	122	30.4	122	UD
10061-01-5	cis-1,3-Dichloropropene	122	23.2	122	UD

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03RE1	File ID:	1986903RE1.D
Sampled:	04/01/16 17:05	Prepared:	04/11/16 10:04	Analyzed:	04/11/16 13:17
% Solids:	82.79	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.1 g / 15 ml
Batch:	1605956	Sequence:	S602895	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	122	41.2	122	UD
100-41-4	Ethylbenzene	122	21.5	122	UD
87-68-3	Hexachlorobutadiene	122	24.0	122	UD
591-78-6	2-Hexanone (MBK)	1220	82.4	1220	UD
98-82-8	Isopropylbenzene	122	23.2	122	UD
99-87-6	4-Isopropyltoluene	122	15.4	122	UD
1634-04-4	Methyl tert-butyl ether	122	26.5	122	UD
108-10-1	4-Methyl-2-pentanone (MIBK)	1220	59.3	1220	UD
75-09-2	Methylene chloride	244	35.6	244	UD
91-20-3	Naphthalene	122	67.8	122	UD
103-65-1	n-Propylbenzene	122	18.5	122	UD
100-42-5	Styrene	122	21.0	122	UD
630-20-6	1,1,1,2-Tetrachloroethane	122	15.2	122	UD
79-34-5	1,1,2,2-Tetrachloroethane	122	66.5	122	UD
127-18-4	Tetrachloroethene	122	46.6	122	UD
108-88-3	Toluene	122	28.1	122	UD
87-61-6	1,2,3-Trichlorobenzene	122	69.9	122	UD
120-82-1	1,2,4-Trichlorobenzene	122	39.5	122	UD
71-55-6	1,1,1-Trichloroethane	122	31.5	122	UD
108-70-3	1,3,5-Trichlorobenzene	122	24.1	122	UD
79-00-5	1,1,2-Trichloroethane	122	23.6	122	UD
79-01-6	Trichloroethene	45.2	18.7	122	JD
75-69-4	Trichlorofluoromethane (Freon 11)	122	44.1	122	UD
96-18-4	1,2,3-Trichloropropane	122	38.7	122	UD
95-63-6	1,2,4-Trimethylbenzene	122	17.4	122	UD
108-67-8	1,3,5-Trimethylbenzene	122	15.5	122	UD
75-01-4	Vinyl chloride	122	46.4	122	UD
179601-23-1	m,p-Xylene	244	24.1	244	UD
95-47-6	o-Xylene	122	26.0	122	UD
109-99-9	Tetrahydrofuran	244	131	244	UD
60-29-7	Ethyl ether	122	28.2	122	UD
994-05-8	Tert-amyl methyl ether	122	46.6	122	UD
637-92-3	Ethyl tert-butyl ether	122	47.2	122	UD
108-20-3	Di-isopropyl ether	122	18.0	122	UD
75-65-0	Tert-Butanol / butyl alcohol	1220	517	1220	UD
110-57-6	trans-1,4-Dichloro-2-butene	611	158	611	UD
64-17-5	Ethanol	48900	2820	48900	UD
110-82-7	Cyclohexane	611	28.4	611	UD
1330-20-7	Total Xylenes	122	24.1	122	UD

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-03RE1	File ID:	1986903RE1.D		
Sampled:	04/01/16 17:05	Prepared:	04/11/16 10:04	Analyzed:	04/11/16 13:17		
% Solids:	82.79	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.1 g / 15 ml		
Batch:	1605956	Sequence:	S602895	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	611	49.5	611	UD
108-87-2	Methylcyclohexane	611	29.0	611	UD
123-91-1	1,4-Dioxane	2440	1350	2440	UD

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-03RE1	File ID:	1986903RE1.D		
Sampled:	04/01/16 17:05	Prepared:	04/11/16 10:04	Analyzed:	04/11/16 13:17		
% Solids:	82.79	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.1 g / 15 ml		
Batch:	1605956	Sequence:	S602895	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
001685-82-1	1H-Indene, 2,3-dihydro-4,6-...	13.151	600	JN
000119-64-2	Naphthalene, 1,2,3,4-tetrah...	13.675	460	JN

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-03RE2	File ID:	1986903RE2.D		
Sampled:	04/01/16 17:05	Prepared:	04/12/16 08:54	Analyzed:	04/12/16 14:17		
% Solids:	82.79	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.3 g / 5 ml		
Batch:	1606023	Sequence:	S602920	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.7	1.8	4.7	U
67-64-1	Acetone	46.8	5.2	46.8	U J
107-13-1	Acrylonitrile	4.7	1.1	4.7	U
71-43-2	Benzene	4.7	0.7	4.7	U
108-86-1	Bromobenzene	4.7	0.9	4.7	U
74-97-5	Bromochloromethane	4.7	1.8	4.7	U
75-27-4	Bromodichloromethane	4.7	1.0	4.7	U
75-25-2	Bromoform	4.7	1.2	4.7	U
74-83-9	Bromomethane	9.4	2.2	9.4	U
78-93-3	2-Butanone (MEK)	46.8	2.7	46.8	U J
104-51-8	n-Butylbenzene	2.0	0.7	4.7	J
135-98-8	sec-Butylbenzene	14.8	1.1	4.7	
98-06-6	tert-Butylbenzene	4.7	2.0	4.7	U
75-15-0	Carbon disulfide	3.8	1.2	9.4	J
56-23-5	Carbon tetrachloride	4.7	1.0	4.7	U
108-90-7	Chlorobenzene	4.7	0.7	4.7	U
75-00-3	Chloroethane	9.4	1.6	9.4	U
67-66-3	Chloroform	4.7	1.5	4.7	U
74-87-3	Chloromethane	9.4	1.3	9.4	U
95-49-8	2-Chlorotoluene	4.7	1.2	4.7	U
106-43-4	4-Chlorotoluene	4.7	0.9	4.7	U
96-12-8	1,2-Dibromo-3-chloropropane	9.4	3.5	9.4	U
124-48-1	Dibromochloromethane	4.7	1.0	4.7	U
106-93-4	1,2-Dibromoethane (EDB)	4.7	0.9	4.7	U
74-95-3	Dibromomethane	4.7	1.3	4.7	U
95-50-1	1,2-Dichlorobenzene	4.7	0.8	4.7	U
541-73-1	1,3-Dichlorobenzene	4.7	0.8	4.7	U
106-46-7	1,4-Dichlorobenzene	4.7	0.9	4.7	U
75-71-8	Dichlorodifluoromethane (Freon12)	9.4	1.4	9.4	U
75-34-3	1,1-Dichloroethane	4.7	1.5	4.7	U
107-06-2	1,2-Dichloroethane	4.7	1.1	4.7	U
75-35-4	1,1-Dichloroethene	4.7	1.4	4.7	U
156-59-2	cis-1,2-Dichloroethene	1.8	1.7	4.7	J
156-60-5	trans-1,2-Dichloroethene	4.7	2.0	4.7	U
78-87-5	1,2-Dichloropropane	4.7	1.6	4.7	U
142-28-9	1,3-Dichloropropane	4.7	0.9	4.7	U
594-20-7	2,2-Dichloropropane	4.7	2.2	4.7	U
563-58-6	1,1-Dichloropropene	4.7	1.2	4.7	U
10061-01-5	cis-1,3-Dichloropropene	4.7	0.9	4.7	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03RE2	File ID:	1986903RE2.D
Sampled:	04/01/16 17:05	Prepared:	04/12/16 08:54	Analyzed:	04/12/16 14:17
% Solids:	82.79	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.3 g / 5 ml
Batch:	1606023	Sequence:	S602920	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.7	1.6	4.7	U
100-41-4	Ethylbenzene	4.7	0.8	4.7	U
87-68-3	Hexachlorobutadiene	4.7	0.9	4.7	U
591-78-6	2-Hexanone (MBK)	46.8	3.2	46.8	U
98-82-8	Isopropylbenzene	4.7	0.9	4.7	U
99-87-6	4-Isopropyltoluene	4.7	0.6	4.7	U
1634-04-4	Methyl tert-butyl ether	4.7	1.0	4.7	U
108-10-1	4-Methyl-2-pentanone (MIBK)	46.8	2.3	46.8	U
75-09-2	Methylene chloride	9.4	1.4	9.4	U
91-20-3	Naphthalene	4.7	2.6	4.7	U
103-65-1	n-Propylbenzene	4.7	0.7	4.7	U
100-42-5	Styrene	4.7	0.8	4.7	U
630-20-6	1,1,1,2-Tetrachloroethane	4.7	0.6	4.7	U
79-34-5	1,1,2,2-Tetrachloroethane	4.7	2.5	4.7	U
127-18-4	Tetrachloroethene	4.7	1.8	4.7	U
108-88-3	Toluene	4.7	1.1	4.7	U
87-61-6	1,2,3-Trichlorobenzene	4.7	2.7	4.7	U
120-82-1	1,2,4-Trichlorobenzene	4.7	1.5	4.7	U
71-55-6	1,1,1-Trichloroethane	4.7	1.2	4.7	U
108-70-3	1,3,5-Trichlorobenzene	4.7	0.9	4.7	U
79-00-5	1,1,2-Trichloroethane	2.6	0.9	4.7	J
79-01-6	Trichloroethene	61.4	0.7	4.7	
75-69-4	Trichlorofluoromethane (Freon 11)	4.7	1.7	4.7	U
96-18-4	1,2,3-Trichloropropane	4.7	1.5	4.7	U
95-63-6	1,2,4-Trimethylbenzene	4.7	0.7	4.7	U
108-67-8	1,3,5-Trimethylbenzene	4.7	0.6	4.7	U
75-01-4	Vinyl chloride	4.7	1.8	4.7	U J
179601-23-1	m,p-Xylene	9.4	0.9	9.4	U
95-47-6	o-Xylene	4.7	1.0	4.7	U
109-99-9	Tetrahydrofuran	9.4	5.0	9.4	U
60-29-7	Ethyl ether	4.7	1.1	4.7	U
994-05-8	Tert-amyl methyl ether	4.7	1.8	4.7	U
637-92-3	Ethyl tert-butyl ether	4.7	1.8	4.7	U
108-20-3	Di-isopropyl ether	4.7	0.7	4.7	U
75-65-0	Tert-Butanol / butyl alcohol	46.8	19.8	46.8	U
110-57-6	trans-1,4-Dichloro-2-butene	23.4	6.1	23.4	U
110-82-7	Cyclohexane	4.4	1.1	23.4	J
1330-20-7	Total Xylenes	4.7	0.9	4.7	U
79-20-9	Methyl acetate	23.4	1.9	23.4	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-03RE2	File ID:	1986903RE2.D		
Sampled:	04/01/16 17:05	Prepared:	04/12/16 08:54	Analyzed:	04/12/16 14:17		
% Solids:	82.79	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.3 g / 5 ml		
Batch:	1606023	Sequence:	S602920	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	44.4	1.1	23.4	
123-91-1	1,4-Dioxane	93.5	51.6	93.5	U
64-17-5	Ethanol	1870	108	1870	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	1986905.D
Sampled:	04/01/16 16:15	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 15:58
% Solids:	77.30	Preparation:	SW846 5035A Soil (low leve	Initial/Final:	13.05 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	3.9	1.5	3.9	U
67-64-1	Acetone	20.5	4.4	39.5	J
107-13-1	Acrylonitrile	3.9	1.0	3.9	U
71-43-2	Benzene	3.9	0.6	3.9	U
108-86-1	Bromobenzene	3.9	0.7	3.9	U
74-97-5	Bromochloromethane	3.9	1.6	3.9	U
75-27-4	Bromodichloromethane	3.9	0.8	3.9	U
75-25-2	Bromoform	3.9	1.0	3.9	U
74-83-9	Bromomethane	7.9	1.9	7.9	U
78-93-3	2-Butanone (MEK)	39.5	2.3	39.5	U
104-51-8	n-Butylbenzene	8.0	0.6	3.9	
135-98-8	sec-Butylbenzene	4.9	0.9	3.9	
98-06-6	tert-Butylbenzene	3.9	1.7	3.9	U
75-15-0	Carbon disulfide	3.4	1.0	7.9	J
56-23-5	Carbon tetrachloride	3.9	0.9	3.9	U
108-90-7	Chlorobenzene	3.9	0.6	3.9	U
75-00-3	Chloroethane	7.9	1.4	7.9	U
67-66-3	Chloroform	3.9	1.3	3.9	U
74-87-3	Chloromethane	7.9	1.1	7.9	U
95-49-8	2-Chlorotoluene	3.9	1.0	3.9	U
106-43-4	4-Chlorotoluene	3.9	0.8	3.9	U
96-12-8	1,2-Dibromo-3-chloropropane	7.9	2.9	7.9	U
124-48-1	Dibromochloromethane	3.9	0.8	3.9	U
106-93-4	1,2-Dibromoethane (EDB)	3.9	0.8	3.9	U
74-95-3	Dibromomethane	3.9	1.1	3.9	U
95-50-1	1,2-Dichlorobenzene	3.9	0.6	3.9	U
541-73-1	1,3-Dichlorobenzene	3.9	0.6	3.9	U
106-46-7	1,4-Dichlorobenzene	3.9	0.7	3.9	U
75-71-8	Dichlorodifluoromethane (Freon12)	7.9	1.2	7.9	U
75-34-3	1,1-Dichloroethane	3.9	1.2	3.9	U
107-06-2	1,2-Dichloroethane	3.9	1.0	3.9	U
75-35-4	1,1-Dichloroethene	50.5	1.2	3.9	
156-59-2	cis-1,2-Dichloroethene *use high level result	~~3230~~	~~1.5~~	~~3.9~~	~~E~~
156-60-5	trans-1,2-Dichloroethene	8.4	1.7	3.9	
78-87-5	1,2-Dichloropropane	3.9	1.4	3.9	U
142-28-9	1,3-Dichloropropane	3.9	0.8	3.9	U
594-20-7	2,2-Dichloropropane	3.9	1.9	3.9	U
563-58-6	1,1-Dichloropropene	3.9	1.0	3.9	U
10061-01-5	cis-1,3-Dichloropropene	3.9	0.7	3.9	U

~~lw 6/12/16~~

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	1986905.D
Sampled:	04/01/16 16:15	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 15:58
% Solids:	77.30	Preparation:	SW846 5035A Soil (low leve	Initial/Final:	13.05 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	3.9	1.3	3.9	U
100-41-4	Ethylbenzene	2.5	0.7	3.9	J
87-68-3	Hexachlorobutadiene	3.9	0.8	3.9	U
591-78-6	2-Hexanone (MBK)	39.5	2.7	39.5	U
98-82-8	Isopropylbenzene	1.6	0.7	3.9	J
99-87-6	4-Isopropyltoluene	1.0	0.5	3.9	J
1634-04-4	Methyl tert-butyl ether	3.9	0.9	3.9	U
108-10-1	4-Methyl-2-pentanone (MIBK)	11.2	1.9	39.5	J
75-09-2	Methylene chloride	7.9	1.1	7.9	U
91-20-3	Naphthalene	29.6	2.2	3.9	
103-65-1	n-Propylbenzene	1.0	0.6	3.9	J
100-42-5	Styrene	3.9	0.7	3.9	U
630-20-6	1,1,1,2-Tetrachloroethane	3.9	0.5	3.9	U
79-34-5	1,1,2,2-Tetrachloroethane	3.9	2.1	3.9	U
127-18-4	Tetrachloroethene	3.9	1.5	3.9	U
108-88-3	Toluene	4.2	0.9	3.9	
87-61-6	1,2,3-Trichlorobenzene	3.9	2.3	3.9	U
120-82-1	1,2,4-Trichlorobenzene	3.9	1.3	3.9	U
71-55-6	1,1,1-Trichloroethane	3.9	1.0	3.9	U
108-70-3	1,3,5-Trichlorobenzene	3.9	0.8	3.9	U
79-00-5	1,1,2-Trichloroethane	3.9	0.8	3.9	U
79-01-6	Trichloroethene	2.8	0.6	3.9	J
75-69-4	Trichlorofluoromethane (Freon 11)	3.9	1.4	3.9	U
96-18-4	1,2,3-Trichloropropane	3.9	1.3	3.9	U
95-63-6	1,2,4-Trimethylbenzene	18.4	0.6	3.9	
108-67-8	1,3,5-Trimethylbenzene	5.1	0.5	3.9	
75-01-4	Vinyl chloride *use high level result	~~1090~~	~~1.5~~	~~3.9~~	E
179601-23-1	m,p-Xylene	9.7	0.8	7.9	
95-47-6	o-Xylene	8.8	0.8	3.9	
109-99-9	Tetrahydrofuran	7.9	4.2	7.9	U
60-29-7	Ethyl ether	3.9	0.9	3.9	U
994-05-8	Tert-amyl methyl ether	3.9	1.5	3.9	U
637-92-3	Ethyl tert-butyl ether	3.9	1.5	3.9	U
108-20-3	Di-isopropyl ether	3.9	0.6	3.9	U
75-65-0	Tert-Butanol / butyl alcohol	39.5	16.7	39.5	U
110-57-6	trans-1,4-Dichloro-2-butene	19.7	5.1	19.7	U
110-82-7	Cyclohexane	6.4	0.9	19.7	J
1330-20-7	Total Xylenes	18.4	0.8	3.9	
79-20-9	Methyl acetate	19.7	1.6	19.7	U

~~lw 6/12/16~~

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	1986905.D		
Sampled:	04/01/16 16:15	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 15:58		
% Solids:	77.30	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	13.05 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	25.2	0.9	19.7	
123-91-1	1,4-Dioxane	78.9	43.5	78.9	U
64-17-5	Ethanol	1580	91.0	1580	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	1986905.D
Sampled:	04/01/16 16:15	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 15:58
% Solids:	77.30	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	13.05 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000107-39-1	1-Pentene, 2,4,4-trimethyl-	5.545	270	JN
000598-96-9	2-Pentene, 3,4,4-trimethyl-	5.755	82	JN
124-18-5	Decane	8.838	270	JN
13151-35-4	Decane, 5-methyl-	9.362	61	JN
112-40-3	Dodecane	10.542	110	JN
111-84-2	Nonane	7.841	140	JN
1120-21-4	Undecane	9.729	270	JN
17301-23-4	Undecane, 2,6-dimethyl-	10.668	64	JN

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05RE1	File ID:	1986905RE1.D
Sampled:	04/01/16 16:15	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:00
% Solids:	77.30	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.89 g / 15 ml
Batch:	1605932	Sequence:	S602856	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	500		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1380	523	1380	UD
67-64-1	Acetone	13800	1520	13800	UD
107-13-1	Acrylonitrile	1380	337	1380	UD
71-43-2	Benzene	1380	205	1380	UD
108-86-1	Bromobenzene	1380	252	1380	UD
74-97-5	Bromochloromethane	1380	544	1380	UD
75-27-4	Bromodichloromethane	1380	285	1380	UD
75-25-2	Bromoform	1380	362	1380	UD
74-83-9	Bromomethane	2750	662	2750	UD
78-93-3	2-Butanone (MEK)	13800	800	13800	UD
104-51-8	n-Butylbenzene	1380	205	1380	UD
135-98-8	sec-Butylbenzene	1380	310	1380	UD
98-06-6	tert-Butylbenzene	1380	579	1380	UD
75-15-0	Carbon disulfide	2750	366	2750	UD
56-23-5	Carbon tetrachloride	1380	300	1380	UD
108-90-7	Chlorobenzene	1380	195	1380	UD
75-00-3	Chloroethane	2750	478	2750	UD
67-66-3	Chloroform	1380	456	1380	UD
74-87-3	Chloromethane	2750	383	2750	UD
95-49-8	2-Chlorotoluene	1380	358	1380	UD
106-43-4	4-Chlorotoluene	1380	268	1380	UD
96-12-8	1,2-Dibromo-3-chloropropane	2750	1020	2750	UD
124-48-1	Dibromochloromethane	1380	282	1380	UD
106-93-4	1,2-Dibromoethane (EDB)	1380	275	1380	UD
74-95-3	Dibromomethane	1380	385	1380	UD
95-50-1	1,2-Dichlorobenzene	1380	223	1380	UD
541-73-1	1,3-Dichlorobenzene	1380	222	1380	UD
106-46-7	1,4-Dichlorobenzene	1380	252	1380	UD
75-71-8	Dichlorodifluoromethane (Freon12)	2750	406	2750	UD
75-34-3	1,1-Dichloroethane	1380	435	1380	UD
107-06-2	1,2-Dichloroethane	1380	334	1380	UD
75-35-4	1,1-Dichloroethene	1380	427	1380	UD
156-59-2	cis-1,2-Dichloroethene	7520	507	1380	D
156-60-5	trans-1,2-Dichloroethene	1380	592	1380	UD
78-87-5	1,2-Dichloropropane	1380	478	1380	UD
142-28-9	1,3-Dichloropropane	1380	270	1380	UD
594-20-7	2,2-Dichloropropane	1380	650	1380	UD
563-58-6	1,1-Dichloropropene	1380	343	1380	UD
10061-01-5	cis-1,3-Dichloropropene	1380	262	1380	UD

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-05RE1	File ID:	1986905RE1.D		
Sampled:	04/01/16 16:15	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:00		
% Solids:	77.30	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.89 g / 15 ml		
Batch:	1605932	Sequence:	S602856	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	500				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1380	464	1380	UD
100-41-4	Ethylbenzene	1380	242	1380	UD
87-68-3	Hexachlorobutadiene	1380	270	1380	UD
591-78-6	2-Hexanone (MBK)	13800	928	13800	UD
98-82-8	Isopropylbenzene	1380	262	1380	UD
99-87-6	4-Isopropyltoluene	1380	173	1380	UD
1634-04-4	Methyl tert-butyl ether	1380	299	1380	UD
108-10-1	4-Methyl-2-pentanone (MIBK)	13800	668	13800	UD
75-09-2	Methylene chloride	2750	401	2750	UD
91-20-3	Naphthalene	1380	764	1380	UD
103-65-1	n-Propylbenzene	1380	208	1380	UD
100-42-5	Styrene	1380	237	1380	UD
630-20-6	1,1,1,2-Tetrachloroethane	1380	171	1380	UD
79-34-5	1,1,2,2-Tetrachloroethane	1380	749	1380	UD
127-18-4	Tetrachloroethene	1380	524	1380	UD
108-88-3	Toluene	1380	317	1380	UD
87-61-6	1,2,3-Trichlorobenzene	1380	787	1380	UD
120-82-1	1,2,4-Trichlorobenzene	1380	445	1380	UD
71-55-6	1,1,1-Trichloroethane	1380	355	1380	UD
108-70-3	1,3,5-Trichlorobenzene	1380	271	1380	UD
79-00-5	1,1,2-Trichloroethane	1380	266	1380	UD
79-01-6	Trichloroethene	1380	211	1380	UD
75-69-4	Trichlorofluoromethane (Freon 11)	1380	497	1380	UD
96-18-4	1,2,3-Trichloropropane	1380	436	1380	UD
95-63-6	1,2,4-Trimethylbenzene	1380	195	1380	UD
108-67-8	1,3,5-Trimethylbenzene	1380	175	1380	UD
75-01-4	Vinyl chloride	1310	523	1380	JD
179601-23-1	m,p-Xylene	2750	271	2750	UD
95-47-6	o-Xylene	1380	293	1380	UD
109-99-9	Tetrahydrofuran	2750	1480	2750	UD
60-29-7	Ethyl ether	1380	318	1380	UD
994-05-8	Tert-amyl methyl ether	1380	524	1380	UD
637-92-3	Ethyl tert-butyl ether	1380	531	1380	UD
108-20-3	Di-isopropyl ether	1380	202	1380	UD
75-65-0	Tert-Butanol / butyl alcohol	13800	5820	13800	UD
110-57-6	trans-1,4-Dichloro-2-butene	6880	1780	6880	UD
64-17-5	Ethanol	551000	31700	551000	UD
110-82-7	Cyclohexane	6880	319	6880	UD
1330-20-7	Total Xylenes	1380	271	1380	UD

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-05RE1	File ID:	1986905RE1.D		
Sampled:	04/01/16 16:15	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:00		
% Solids:	77.30	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.89 g / 15 ml		
Batch:	1605932	Sequence:	S602856	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	500				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	6880	557	6880	UD
108-87-2	Methylcyclohexane	6880	326	6880	UD
123-91-1	1,4-Dioxane	27500	15200	27500	UD

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05RE1	File ID:	1986905RE1.D
Sampled:	04/01/16 16:15	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:00
% Solids:	77.30	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.89 g / 15 ml
Batch:	1605932	Sequence:	S602856	Calibration:	1603012
Reported to:	MRL	Dilution:	500		

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	1986907.D
Sampled:	04/01/16 15:30	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 16:30
% Solids:	92.15	Preparation:	SW846 5035A Soil (low leve	Initial/Final:	6.65 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.5	1.7	4.5	U
67-64-1	Acetone	45.1	5.0	45.1	U
107-13-1	Acrylonitrile	4.5	1.1	4.5	U
71-43-2	Benzene	4.5	0.7	4.5	U
108-86-1	Bromobenzene	4.5	0.8	4.5	U
74-97-5	Bromochloromethane	4.5	1.8	4.5	U
75-27-4	Bromodichloromethane	4.5	0.9	4.5	U
75-25-2	Bromoform	4.5	1.2	4.5	U
74-83-9	Bromomethane	9.0	2.2	9.0	U
78-93-3	2-Butanone (MEK)	45.1	2.6	45.1	U
104-51-8	n-Butylbenzene	4.5	0.7	4.5	U
135-98-8	sec-Butylbenzene	3.6	1.0	4.5	J
98-06-6	tert-Butylbenzene	4.5	1.9	4.5	U
75-15-0	Carbon disulfide	2.7	1.2	9.0	J
56-23-5	Carbon tetrachloride	4.5	1.0	4.5	U
108-90-7	Chlorobenzene	4.5	0.6	4.5	U
75-00-3	Chloroethane	9.0	1.6	9.0	U
67-66-3	Chloroform	4.5	1.5	4.5	U
74-87-3	Chloromethane	9.0	1.3	9.0	U
95-49-8	2-Chlorotoluene	4.5	1.2	4.5	U
106-43-4	4-Chlorotoluene	4.5	0.9	4.5	U
96-12-8	1,2-Dibromo-3-chloropropane	9.0	3.3	9.0	U
124-48-1	Dibromochloromethane	4.5	0.9	4.5	U
106-93-4	1,2-Dibromoethane (EDB)	4.5	0.9	4.5	U
74-95-3	Dibromomethane	4.5	1.3	4.5	U
95-50-1	1,2-Dichlorobenzene	4.5	0.7	4.5	U
541-73-1	1,3-Dichlorobenzene	4.5	0.7	4.5	U
106-46-7	1,4-Dichlorobenzene	4.5	0.8	4.5	U
75-71-8	Dichlorodifluoromethane (Freon12)	9.0	1.3	9.0	U
75-34-3	1,1-Dichloroethane	4.5	1.4	4.5	U
107-06-2	1,2-Dichloroethane	4.5	1.1	4.5	U
75-35-4	1,1-Dichloroethene	4.5	1.4	4.5	U
156-59-2	cis-1,2-Dichloroethene	28.2	1.7	4.5	
156-60-5	trans-1,2-Dichloroethene	4.5	1.9	4.5	U
78-87-5	1,2-Dichloropropane	4.5	1.6	4.5	U
142-28-9	1,3-Dichloropropane	4.5	0.9	4.5	U
594-20-7	2,2-Dichloropropane	4.5	2.1	4.5	U
563-58-6	1,1-Dichloropropene	4.5	1.1	4.5	U
10061-01-5	cis-1,3-Dichloropropene	4.5	0.9	4.5	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	1986907.D		
Sampled:	04/01/16 15:30	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 16:30		
% Solids:	92.15	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.65 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.5	1.5	4.5	U
100-41-4	Ethylbenzene	4.5	0.8	4.5	U
87-68-3	Hexachlorobutadiene	4.5	0.9	4.5	U
591-78-6	2-Hexanone (MBK)	45.1	3.0	45.1	U
98-82-8	Isopropylbenzene	4.5	0.9	4.5	U
99-87-6	4-Isopropyltoluene	4.5	0.6	4.5	U
1634-04-4	Methyl tert-butyl ether	4.5	1.0	4.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	45.1	2.2	45.1	U
75-09-2	Methylene chloride	9.0	1.3	9.0	U
91-20-3	Naphthalene	6.7	2.5	4.5	
103-65-1	n-Propylbenzene	4.5	0.7	4.5	U
100-42-5	Styrene	4.5	0.8	4.5	U
630-20-6	1,1,1,2-Tetrachloroethane	4.5	0.6	4.5	U
79-34-5	1,1,2,2-Tetrachloroethane	4.5	2.5	4.5	U
127-18-4	Tetrachloroethene	4.5	1.7	4.5	U
108-88-3	Toluene	4.5	1.0	4.5	U
87-61-6	1,2,3-Trichlorobenzene	4.5	2.6	4.5	U
120-82-1	1,2,4-Trichlorobenzene	4.5	1.5	4.5	U
71-55-6	1,1,1-Trichloroethane	4.5	1.2	4.5	U
108-70-3	1,3,5-Trichlorobenzene	4.5	0.9	4.5	U
79-00-5	1,1,2-Trichloroethane	4.5	0.9	4.5	U
79-01-6	Trichloroethene *use high level result	318	0.7	4.5	E
75-69-4	Trichlorofluoromethane (Freon 11)	4.5	1.6	4.5	U
96-18-4	1,2,3-Trichloropropane	4.5	1.4	4.5	U
95-63-6	1,2,4-Trimethylbenzene	4.5	0.6	4.5	U
108-67-8	1,3,5-Trimethylbenzene	4.5	0.6	4.5	U
75-01-4	Vinyl chloride	4.5	1.7	4.5	U
179601-23-1	m,p-Xylene	9.0	0.9	9.0	U
95-47-6	o-Xylene	4.5	1.0	4.5	U
109-99-9	Tetrahydrofuran	9.0	4.8	9.0	U
60-29-7	Ethyl ether	4.5	1.0	4.5	U
994-05-8	Tert-amyl methyl ether	4.5	1.7	4.5	U
637-92-3	Ethyl tert-butyl ether	4.5	1.7	4.5	U
108-20-3	Di-isopropyl ether	4.5	0.7	4.5	U
75-65-0	Tert-Butanol / butyl alcohol	45.1	19.1	45.1	U
110-57-6	trans-1,4-Dichloro-2-butene	22.5	5.8	22.5	U
110-82-7	Cyclohexane	22.5	1.0	22.5	U
1330-20-7	Total Xylenes	4.5	0.9	4.5	U
79-20-9	Methyl acetate	22.5	1.8	22.5	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	1986907.D
Sampled:	04/01/16 15:30	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 16:30
% Solids:	92.15	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.65 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	2.2	1.1	22.5	J
123-91-1	1,4-Dioxane	90.1	49.7	90.1	U
64-17-5	Ethanol	1800	104	1800	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	1986907.D		
Sampled:	04/01/16 15:30	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 16:30		
% Solids:	92.15	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	6.65 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	1-Methyldecahydronaphthalene	10.222	110	JN
112-40-3	Dodecane	10.547	190	JN
1000152-47-3	trans-Decalin, 2-methyl-	10.075	110	JN
629-50-5	Tridecane	11.302	68	JN
26730-14-3	Tridecane, 7-methyl-	11.129	160	JN
17301-23-4	Undecane, 2,6-dimethyl-	10.668	240	JN

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07RE1	File ID:	1986907RE1.D
Sampled:	04/01/16 15:30	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:30
% Solids:	92.15	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.58 g / 15 ml
Batch:	1605932	Sequence:	S602856	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	100		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	223	84.8	223	UD
67-64-1	Acetone	2230	247	2230	UD
107-13-1	Acrylonitrile	223	54.7	223	UD
71-43-2	Benzene	223	33.3	223	UD
108-86-1	Bromobenzene	223	40.9	223	UD
74-97-5	Bromochloromethane	223	88.2	223	UD
75-27-4	Bromodichloromethane	223	46.2	223	UD
75-25-2	Bromoform	223	58.7	223	UD
74-83-9	Bromomethane	447	107	447	UD
78-93-3	2-Butanone (MEK)	2230	130	2230	UD
104-51-8	n-Butylbenzene	223	33.3	223	UD
135-98-8	sec-Butylbenzene	223	50.2	223	UD
98-06-6	tert-Butylbenzene	223	94.0	223	UD
75-15-0	Carbon disulfide	447	59.4	447	UD
56-23-5	Carbon tetrachloride	223	48.7	223	UD
108-90-7	Chlorobenzene	223	31.7	223	UD
75-00-3	Chloroethane	447	77.5	447	UD
67-66-3	Chloroform	223	73.9	223	UD
74-87-3	Chloromethane	447	62.1	447	UD
95-49-8	2-Chlorotoluene	223	58.0	223	UD
106-43-4	4-Chlorotoluene	223	43.5	223	UD
96-12-8	1,2-Dibromo-3-chloropropane	447	165	447	UD
124-48-1	Dibromochloromethane	223	45.8	223	UD
106-93-4	1,2-Dibromoethane (EDB)	223	44.7	223	UD
74-95-3	Dibromomethane	223	62.5	223	UD
95-50-1	1,2-Dichlorobenzene	223	36.2	223	UD
541-73-1	1,3-Dichlorobenzene	223	35.9	223	UD
106-46-7	1,4-Dichlorobenzene	223	40.9	223	UD
75-71-8	Dichlorodifluoromethane (Freon12)	447	65.9	447	UD
75-34-3	1,1-Dichloroethane	223	70.6	223	UD
107-06-2	1,2-Dichloroethane	223	54.3	223	UD
75-35-4	1,1-Dichloroethene	223	69.2	223	UD
156-59-2	cis-1,2-Dichloroethene	84.8	82.2	223	JD
156-60-5	trans-1,2-Dichloroethene	223	96.0	223	UD
78-87-5	1,2-Dichloropropane	223	77.5	223	UD
142-28-9	1,3-Dichloropropane	223	43.8	223	UD
594-20-7	2,2-Dichloropropane	223	105	223	UD
563-58-6	1,1-Dichloropropene	223	55.6	223	UD
10061-01-5	cis-1,3-Dichloropropene	223	42.4	223	UD

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07RE1	File ID:	1986907RE1.D
Sampled:	04/01/16 15:30	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:30
% Solids:	92.15	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.58 g / 15 ml
Batch:	1605932	Sequence:	S602856	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	100		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	223	75.2	223	UD
100-41-4	Ethylbenzene	223	39.3	223	UD
87-68-3	Hexachlorobutadiene	223	43.8	223	UD
591-78-6	2-Hexanone (MBK)	2230	150	2230	UD
98-82-8	Isopropylbenzene	223	42.4	223	UD
99-87-6	4-Isopropyltoluene	223	28.1	223	UD
1634-04-4	Methyl tert-butyl ether	223	48.4	223	UD
108-10-1	4-Methyl-2-pentanone (MIBK)	2230	108	2230	UD
75-09-2	Methylene chloride	447	65.0	447	UD
91-20-3	Naphthalene	223	124	223	UD
103-65-1	n-Propylbenzene	223	33.7	223	UD
100-42-5	Styrene	223	38.4	223	UD
630-20-6	1,1,1,2-Tetrachloroethane	223	27.7	223	UD
79-34-5	1,1,2,2-Tetrachloroethane	223	121	223	UD
127-18-4	Tetrachloroethene	223	85.1	223	UD
108-88-3	Toluene	223	51.3	223	UD
87-61-6	1,2,3-Trichlorobenzene	223	128	223	UD
120-82-1	1,2,4-Trichlorobenzene	223	72.1	223	UD
71-55-6	1,1,1-Trichloroethane	223	57.6	223	UD
108-70-3	1,3,5-Trichlorobenzene	223	44.0	223	UD
79-00-5	1,1,2-Trichloroethane	223	43.1	223	UD
79-01-6	Trichloroethene	2150	34.2	223	D
75-69-4	Trichlorofluoromethane (Freon 11)	223	80.6	223	UD
96-18-4	1,2,3-Trichloropropane	223	70.8	223	UD
95-63-6	1,2,4-Trimethylbenzene	223	31.7	223	UD
108-67-8	1,3,5-Trimethylbenzene	223	28.4	223	UD
75-01-4	Vinyl chloride	223	84.8	223	UD
179601-23-1	m,p-Xylene	447	44.0	447	UD
95-47-6	o-Xylene	223	47.6	223	UD
109-99-9	Tetrahydrofuran	447	239	447	UD
60-29-7	Ethyl ether	223	51.6	223	UD
994-05-8	Tert-amyl methyl ether	223	85.1	223	UD
637-92-3	Ethyl tert-butyl ether	223	86.2	223	UD
108-20-3	Di-isopropyl ether	223	32.8	223	UD
75-65-0	Tert-Butanol / butyl alcohol	2230	944	2230	UD
110-57-6	trans-1,4-Dichloro-2-butene	1120	289	1120	UD
64-17-5	Ethanol	89300	5150	89300	UD
110-82-7	Cyclohexane	1120	51.8	1120	UD
1330-20-7	Total Xylenes	223	44.0	223	UD

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-07RE1	File ID:	1986907RE1.D		
Sampled:	04/01/16 15:30	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:30		
% Solids:	92.15	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.58 g / 15 ml		
Batch:	1605932	Sequence:	S602856	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	100				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	1120	90.4	1120	UD
108-87-2	Methylcyclohexane	1120	52.9	1120	UD
123-91-1	1,4-Dioxane	4470	2460	4470	UD

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-07RE1	File ID:	1986907RE1.D		
Sampled:	04/01/16 15:30	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:30		
% Solids:	92.15	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	7.58 g / 15 ml		
Batch:	1605932	Sequence:	S602856	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	100				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	1986908.D		
Sampled:	04/01/16 20:00	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 18:28		
% Solids:	79.94	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.91 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5.2	2.0	5.2	U
67-64-1	Acetone	52.1	5.8	52.1	U
107-13-1	Acrylonitrile	5.2	1.3	5.2	U
71-43-2	Benzene	5.2	0.8	5.2	U
108-86-1	Bromobenzene	5.2	1.0	5.2	U
74-97-5	Bromochloromethane	5.2	2.1	5.2	U
75-27-4	Bromodichloromethane	5.2	1.1	5.2	U
75-25-2	Bromoform	5.2	1.4	5.2	U
74-83-9	Bromomethane	10.4	2.5	10.4	U
78-93-3	2-Butanone (MEK)	52.1	3.0	52.1	U
104-51-8	n-Butylbenzene	5.2	0.8	5.2	U
135-98-8	sec-Butylbenzene	5.2	1.2	5.2	U
98-06-6	tert-Butylbenzene	5.2	2.2	5.2	U
75-15-0	Carbon disulfide	10.4	1.4	10.4	U
56-23-5	Carbon tetrachloride	5.2	1.1	5.2	U
108-90-7	Chlorobenzene	5.2	0.7	5.2	U
75-00-3	Chloroethane	10.4	1.8	10.4	U
67-66-3	Chloroform	5.2	1.7	5.2	U
74-87-3	Chloromethane	10.4	1.4	10.4	U
95-49-8	2-Chlorotoluene	5.2	1.4	5.2	U
106-43-4	4-Chlorotoluene	5.2	1.0	5.2	U
96-12-8	1,2-Dibromo-3-chloropropane	10.4	3.8	10.4	U
124-48-1	Dibromochloromethane	5.2	1.1	5.2	U
106-93-4	1,2-Dibromoethane (EDB)	5.2	1.0	5.2	U
74-95-3	Dibromomethane	5.2	1.5	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	0.8	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	0.8	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	1.0	5.2	U
75-71-8	Dichlorodifluoromethane (Freon12)	10.4	1.5	10.4	U
75-34-3	1,1-Dichloroethane	5.2	1.6	5.2	U
107-06-2	1,2-Dichloroethane	5.2	1.3	5.2	U
75-35-4	1,1-Dichloroethene	5.2	1.6	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	1.9	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	2.2	5.2	U
78-87-5	1,2-Dichloropropane	5.2	1.8	5.2	U
142-28-9	1,3-Dichloropropane	5.2	1.0	5.2	U
594-20-7	2,2-Dichloropropane	5.2	2.5	5.2	U
563-58-6	1,1-Dichloropropene	5.2	1.3	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	1.0	5.2	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	1986908.D		
Sampled:	04/01/16 20:00	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 18:28		
% Solids:	79.94	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.91 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	5.2	1.8	5.2	U
100-41-4	Ethylbenzene	5.2	0.9	5.2	U
87-68-3	Hexachlorobutadiene	5.2	1.0	5.2	U
591-78-6	2-Hexanone (MBK)	52.1	3.5	52.1	U
98-82-8	Isopropylbenzene	5.2	1.0	5.2	U
99-87-6	4-Isopropyltoluene	5.2	0.7	5.2	U
1634-04-4	Methyl tert-butyl ether	5.2	1.1	5.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	52.1	2.5	52.1	U
75-09-2	Methylene chloride	10.4	1.5	10.4	U
91-20-3	Naphthalene	5.2	2.9	5.2	U
103-65-1	n-Propylbenzene	5.2	0.8	5.2	U
100-42-5	Styrene	5.2	0.9	5.2	U
630-20-6	1,1,1,2-Tetrachloroethane	5.2	0.6	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	2.8	5.2	U
127-18-4	Tetrachloroethene	5.2	2.0	5.2	U
108-88-3	Toluene	5.2	1.2	5.2	U
87-61-6	1,2,3-Trichlorobenzene	5.2	3.0	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	1.7	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	1.3	5.2	U
108-70-3	1,3,5-Trichlorobenzene	5.2	1.0	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	1.0	5.2	U
79-01-6	Trichloroethene	5.2	0.8	5.2	U
75-69-4	Trichlorofluoromethane (Freon 11)	5.2	1.9	5.2	U
96-18-4	1,2,3-Trichloropropane	5.2	1.7	5.2	U
95-63-6	1,2,4-Trimethylbenzene	5.2	0.7	5.2	U
108-67-8	1,3,5-Trimethylbenzene	5.2	0.7	5.2	U
75-01-4	Vinyl chloride	5.2	2.0	5.2	U
179601-23-1	m,p-Xylene	10.4	1.0	10.4	U
95-47-6	o-Xylene	5.2	1.1	5.2	U
109-99-9	Tetrahydrofuran	10.4	5.6	10.4	U
60-29-7	Ethyl ether	5.2	1.2	5.2	U
994-05-8	Tert-amyl methyl ether	5.2	2.0	5.2	U
637-92-3	Ethyl tert-butyl ether	5.2	2.0	5.2	U
108-20-3	Di-isopropyl ether	5.2	0.8	5.2	U
75-65-0	Tert-Butanol / butyl alcohol	52.1	22.0	52.1	U
110-57-6	trans-1,4-Dichloro-2-butene	26.0	6.8	26.0	U
110-82-7	Cyclohexane	26.0	1.2	26.0	U
1330-20-7	Total Xylenes	5.2	1.0	5.2	U
79-20-9	Methyl acetate	26.0	2.1	26.0	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	1986908.D		
Sampled:	04/01/16 20:00	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 18:28		
% Solids:	79.94	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.91 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	26.0	1.2	26.0	U
123-91-1	1,4-Dioxane	104	57.4	104	U
64-17-5	Ethanol	2080	120	2080	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	1986908.D		
Sampled:	04/01/16 20:00	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 18:28		
% Solids:	79.94	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.91 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	1986910.D		
Sampled:	04/01/16 17:30	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 18:57		
% Solids:	78.92	Preparation:	SW846 5035A Soil (low leve	Initial/Final:	8.4 g / 5 ml		
Batch:	1605840	Sequence:	S602821	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	5.1	1.9	5.1	U
67-64-1	Acetone	51.1	5.7	51.1	U
107-13-1	Acrylonitrile	5.1	1.3	5.1	U
71-43-2	Benzene	5.1	0.8	5.1	U
108-86-1	Bromobenzene	5.1	0.9	5.1	U
74-97-5	Bromochloromethane	5.1	2.0	5.1	U
75-27-4	Bromodichloromethane	5.1	1.1	5.1	U
75-25-2	Bromoform	5.1	1.3	5.1	U
74-83-9	Bromomethane	10.2	2.5	10.2	U
78-93-3	2-Butanone (MEK)	51.1	3.0	51.1	U
104-51-8	n-Butylbenzene	5.1	0.8	5.1	U
135-98-8	sec-Butylbenzene	12.3	1.1	5.1	
98-06-6	tert-Butylbenzene	5.1	2.1	5.1	U
75-15-0	Carbon disulfide	3.0	1.4	10.2	J
56-23-5	Carbon tetrachloride	5.1	1.1	5.1	U
108-90-7	Chlorobenzene	5.1	0.7	5.1	U
75-00-3	Chloroethane	4.4	1.8	10.2	J
67-66-3	Chloroform	5.1	1.7	5.1	U
74-87-3	Chloromethane	10.2	1.4	10.2	U
95-49-8	2-Chlorotoluene	5.1	1.3	5.1	U
106-43-4	4-Chlorotoluene	5.1	1.0	5.1	U
96-12-8	1,2-Dibromo-3-chloropropane	10.2	3.8	10.2	U
124-48-1	Dibromochloromethane	5.1	1.0	5.1	U
106-93-4	1,2-Dibromoethane (EDB)	5.1	1.0	5.1	U
74-95-3	Dibromomethane	5.1	1.4	5.1	U
95-50-1	1,2-Dichlorobenzene	5.1	0.8	5.1	U
541-73-1	1,3-Dichlorobenzene	5.1	0.8	5.1	U
106-46-7	1,4-Dichlorobenzene	5.1	0.9	5.1	U
75-71-8	Dichlorodifluoromethane (Freon12)	10.2	1.5	10.2	U
75-34-3	1,1-Dichloroethane	5.1	1.6	5.1	U
107-06-2	1,2-Dichloroethane	5.1	1.2	5.1	U
75-35-4	1,1-Dichloroethene	2.6	1.6	5.1	J
156-59-2	cis-1,2-Dichloroethene	*use high level result 1290	1.9	5.1	E
156-60-5	trans-1,2-Dichloroethene	7.0	2.2	5.1	
78-87-5	1,2-Dichloropropane	5.1	1.8	5.1	U
142-28-9	1,3-Dichloropropane	5.1	1.0	5.1	U
594-20-7	2,2-Dichloropropane	5.1	2.4	5.1	U
563-58-6	1,1-Dichloropropene	5.1	1.3	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	1.0	5.1	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	1986910.D
Sampled:	04/01/16 17:30	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 18:57
% Solids:	78.92	Preparation:	SW846 5035A Soil (low leve	Initial/Final:	8.4 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	5.1	1.7	5.1	U
100-41-4	Ethylbenzene	5.1	0.9	5.1	U
87-68-3	Hexachlorobutadiene	5.1	1.0	5.1	U
591-78-6	2-Hexanone (MBK)	51.1	3.4	51.1	U
98-82-8	Isopropylbenzene	5.1	1.0	5.1	U
99-87-6	4-Isopropyltoluene	5.1	0.6	5.1	U
1634-04-4	Methyl tert-butyl ether	5.1	1.1	5.1	U
108-10-1	4-Methyl-2-pentanone (MIBK)	51.1	2.5	51.1	U
75-09-2	Methylene chloride	10.2	1.5	10.2	U
91-20-3	Naphthalene	5.1	2.8	5.1	U
103-65-1	n-Propylbenzene	5.1	0.8	5.1	U
100-42-5	Styrene	5.1	0.9	5.1	U
630-20-6	1,1,1,2-Tetrachloroethane	5.1	0.6	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	2.8	5.1	U
127-18-4	Tetrachloroethene	5.1	1.9	5.1	U
108-88-3	Toluene	5.1	1.2	5.1	U
87-61-6	1,2,3-Trichlorobenzene	5.1	2.9	5.1	U
120-82-1	1,2,4-Trichlorobenzene	5.1	1.6	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	1.3	5.1	U
108-70-3	1,3,5-Trichlorobenzene	5.1	1.0	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	1.0	5.1	U
79-01-6	Trichloroethene *use high level result	~~1700~~	0.8 -	~~5.1~~ -	~~E~~ -
75-69-4	Trichlorofluoromethane (Freon 11)	5.1	1.8	5.1	U
96-18-4	1,2,3-Trichloropropane	5.1	1.6	5.1	U
95-63-6	1,2,4-Trimethylbenzene	5.1	0.7	5.1	U
108-67-8	1,3,5-Trimethylbenzene	5.1	0.6	5.1	U
75-01-4	Vinyl chloride	3.6	1.9	5.1	J
179601-23-1	m,p-Xylene	10.2	1.0	10.2	U
95-47-6	o-Xylene	5.1	1.1	5.1	U
109-99-9	Tetrahydrofuran	10.2	5.5	10.2	U
60-29-7	Ethyl ether	5.1	1.2	5.1	U
994-05-8	Tert-amyl methyl ether	5.1	1.9	5.1	U
637-92-3	Ethyl tert-butyl ether	5.1	2.0	5.1	U
108-20-3	Di-isopropyl ether	5.1	0.8	5.1	U
75-65-0	Tert-Butanol / butyl alcohol	51.1	21.6	51.1	U
110-57-6	trans-1,4-Dichloro-2-butene	25.5	6.6	25.5	U
110-82-7	Cyclohexane	25.5	1.2	25.5	U
1330-20-7	Total Xylenes	5.1	1.0	5.1	U
79-20-9	Methyl acetate	25.5	2.1	25.5	U

~~lw 6/12/16~~

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	1986910.D
Sampled:	04/01/16 17:30	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 18:57
% Solids:	78.92	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.4 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	10.2	1.2	25.5	J
123-91-1	1,4-Dioxane	102	56.3	102	U
64-17-5	Ethanol	2040	118	2040	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	1986910.D
Sampled:	04/01/16 17:30	Prepared:	04/08/16 08:17	Analyzed:	04/08/16 18:57
% Solids:	78.92	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.4 g / 5 ml
Batch:	1605840	Sequence:	S602821	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
003728-56-1	1-Ethyl-4-methylcyclohexane	7.81	110	JN
NA	Cyclohexane, 1,1,2,3-tetram...	8.602	180	JN
054965-05-8	Cyclohexane, 1,1,3-trimethyl-	7.259	230	JN
NA	Cyclohexane, 1,2,4-trimethy...	7.432	95	JN
000638-04-0	Cyclohexane, 1,3-dimethyl-,...	6.499	92	JN
004923-77-7	Cyclohexane, 1-ethyl-2-meth...	8.025	180	JN
1678-91-7	Cyclohexane, ethyl-	7.175	110	JN
493-02-7	Naphthalene, decahydro-, tr...	9.561	120	JN

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-10RE1	File ID:	1986910RE1.D		
Sampled:	04/01/16 17:30	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:59		
% Solids:	78.92	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.55 g / 15 ml		
Batch:	1605932	Sequence:	S602856	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	500				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1250	473	1250	UD
67-64-1	Acetone	12500	1380	12500	UD
107-13-1	Acrylonitrile	1250	305	1250	UD
71-43-2	Benzene	1250	186	1250	UD
108-86-1	Bromobenzene	1250	228	1250	UD
74-97-5	Bromochloromethane	1250	492	1250	UD
75-27-4	Bromodichloromethane	1250	258	1250	UD
75-25-2	Bromoform	1250	327	1250	UD
74-83-9	Bromomethane	2490	599	2490	UD
78-93-3	2-Butanone (MEK)	12500	723	12500	UD
104-51-8	n-Butylbenzene	1250	186	1250	UD
135-98-8	sec-Butylbenzene	1250	280	1250	UD
98-06-6	tert-Butylbenzene	1250	524	1250	UD
75-15-0	Carbon disulfide	2490	331	2490	UD
56-23-5	Carbon tetrachloride	1250	271	1250	UD
108-90-7	Chlorobenzene	1250	177	1250	UD
75-00-3	Chloroethane	2490	432	2490	UD
67-66-3	Chloroform	1250	412	1250	UD
74-87-3	Chloromethane	2490	346	2490	UD
95-49-8	2-Chlorotoluene	1250	324	1250	UD
106-43-4	4-Chlorotoluene	1250	243	1250	UD
96-12-8	1,2-Dibromo-3-chloropropane	2490	920	2490	UD
124-48-1	Dibromochloromethane	1250	255	1250	UD
106-93-4	1,2-Dibromoethane (EDB)	1250	249	1250	UD
74-95-3	Dibromomethane	1250	349	1250	UD
95-50-1	1,2-Dichlorobenzene	1250	202	1250	UD
541-73-1	1,3-Dichlorobenzene	1250	200	1250	UD
106-46-7	1,4-Dichlorobenzene	1250	228	1250	UD
75-71-8	Dichlorodifluoromethane (Freon12)	2490	367	2490	UD
75-34-3	1,1-Dichloroethane	1250	393	1250	UD
107-06-2	1,2-Dichloroethane	1250	303	1250	UD
75-35-4	1,1-Dichloroethene	1250	386	1250	UD
156-59-2	cis-1,2-Dichloroethene	2250	458	1250	D
156-60-5	trans-1,2-Dichloroethene	1250	535	1250	UD
78-87-5	1,2-Dichloropropane	1250	432	1250	UD
142-28-9	1,3-Dichloropropane	1250	244	1250	UD
594-20-7	2,2-Dichloropropane	1250	588	1250	UD
563-58-6	1,1-Dichloropropene	1250	310	1250	UD
10061-01-5	cis-1,3-Dichloropropene	1250	237	1250	UD

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-10RE1	File ID:	1986910RE1.D		
Sampled:	04/01/16 17:30	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:59		
% Solids:	78.92	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.55 g / 15 ml		
Batch:	1605932	Sequence:	S602856	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	500				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	1250	420	1250	UD
100-41-4	Ethylbenzene	1250	219	1250	UD
87-68-3	Hexachlorobutadiene	1250	244	1250	UD
591-78-6	2-Hexanone (MBK)	12500	839	12500	UD
98-82-8	Isopropylbenzene	1250	237	1250	UD
99-87-6	4-Isopropyltoluene	1250	157	1250	UD
1634-04-4	Methyl tert-butyl ether	1250	270	1250	UD
108-10-1	4-Methyl-2-pentanone (MIBK)	12500	604	12500	UD
75-09-2	Methylene chloride	2490	362	2490	UD
91-20-3	Naphthalene	1250	691	1250	UD
103-65-1	n-Propylbenzene	1250	188	1250	UD
100-42-5	Styrene	1250	214	1250	UD
630-20-6	1,1,1,2-Tetrachloroethane	1250	154	1250	UD
79-34-5	1,1,2,2-Tetrachloroethane	1250	677	1250	UD
127-18-4	Tetrachloroethene	1250	474	1250	UD
108-88-3	Toluene	1250	286	1250	UD
87-61-6	1,2,3-Trichlorobenzene	1250	712	1250	UD
120-82-1	1,2,4-Trichlorobenzene	1250	402	1250	UD
71-55-6	1,1,1-Trichloroethane	1250	321	1250	UD
108-70-3	1,3,5-Trichlorobenzene	1250	245	1250	UD
79-00-5	1,1,2-Trichloroethane	1250	240	1250	UD
79-01-6	Trichloroethene	5580	190	1250	D
75-69-4	Trichlorofluoromethane (Freon 11)	1250	449	1250	UD
96-18-4	1,2,3-Trichloropropane	1250	395	1250	UD
95-63-6	1,2,4-Trimethylbenzene	1250	177	1250	UD
108-67-8	1,3,5-Trimethylbenzene	1250	158	1250	UD
75-01-4	Vinyl chloride	1250	473	1250	UD
179601-23-1	m,p-Xylene	2490	245	2490	UD
95-47-6	o-Xylene	1250	265	1250	UD
109-99-9	Tetrahydrofuran	2490	1330	2490	UD
60-29-7	Ethyl ether	1250	288	1250	UD
994-05-8	Tert-amyl methyl ether	1250	474	1250	UD
637-92-3	Ethyl tert-butyl ether	1250	481	1250	UD
108-20-3	Di-isopropyl ether	1250	183	1250	UD
75-65-0	Tert-Butanol / butyl alcohol	12500	5270	12500	UD
110-57-6	trans-1,4-Dichloro-2-butene	6230	1610	6230	UD
64-17-5	Ethanol	498000	28700	498000	UD
110-82-7	Cyclohexane	6230	289	6230	UD
1330-20-7	Total Xylenes	1250	245	1250	UD

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10RE1	File ID:	1986910RE1.D
Sampled:	04/01/16 17:30	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:59
% Solids:	78.92	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.55 g / 15 ml
Batch:	1605932	Sequence:	S602856	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	500		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	6230	504	6230	UD
108-87-2	Methylcyclohexane	6230	295	6230	UD
123-91-1	1,4-Dioxane	24900	13700	24900	UD

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10RE1	File ID:	1986910RE1.D
Sampled:	04/01/16 17:30	Prepared:	04/09/16 11:56	Analyzed:	04/09/16 19:59
% Solids:	78.92	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	8.55 g / 15 ml
Batch:	1605932	Sequence:	S602856	Calibration:	1603012
Reported to:	MRL	Dilution:	500		

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	1986914.D		
Sampled:	04/01/16 19:00	Prepared:	04/11/16 09:56	Analyzed:	04/11/16 12:23		
% Solids:	98.39	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.86 g / 5 ml		
Batch:	1605954	Sequence:	S602874	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	2.9	1.1	2.9	U
67-64-1	Acetone	29.5	3.3	29.5	U
107-13-1	Acrylonitrile	2.9	0.7	2.9	U
71-43-2	Benzene	2.9	0.4	2.9	U
108-86-1	Bromobenzene	2.9	0.5	2.9	U
74-97-5	Bromochloromethane	2.9	1.2	2.9	U
75-27-4	Bromodichloromethane	2.9	0.6	2.9	U
75-25-2	Bromoform	2.9	0.8	2.9	U
74-83-9	Bromomethane	5.9	1.4	5.9	U
78-93-3	2-Butanone (MEK)	29.5	1.7	29.5	U
104-51-8	n-Butylbenzene	2.9	0.4	2.9	U
135-98-8	sec-Butylbenzene	2.9	0.7	2.9	U
98-06-6	tert-Butylbenzene	2.9	1.2	2.9	U
75-15-0	Carbon disulfide	1.5	0.8	5.9	J
56-23-5	Carbon tetrachloride	2.9	0.6	2.9	U
108-90-7	Chlorobenzene	2.9	0.4	2.9	U
75-00-3	Chloroethane	5.9	1.0	5.9	U
67-66-3	Chloroform	2.9	1.0	2.9	U
74-87-3	Chloromethane	5.9	0.8	5.9	U
95-49-8	2-Chlorotoluene	2.9	0.8	2.9	U
106-43-4	4-Chlorotoluene	2.9	0.6	2.9	U
96-12-8	1,2-Dibromo-3-chloropropane	5.9	2.2	5.9	U
124-48-1	Dibromochloromethane	2.9	0.6	2.9	U
106-93-4	1,2-Dibromoethane (EDB)	2.9	0.6	2.9	U
74-95-3	Dibromomethane	2.9	0.8	2.9	U
95-50-1	1,2-Dichlorobenzene	2.9	0.5	2.9	U
541-73-1	1,3-Dichlorobenzene	2.9	0.5	2.9	U
106-46-7	1,4-Dichlorobenzene	2.9	0.5	2.9	U
75-71-8	Dichlorodifluoromethane (Freon12)	5.9	0.9	5.9	U
75-34-3	1,1-Dichloroethane	2.9	0.9	2.9	U
107-06-2	1,2-Dichloroethane	2.9	0.7	2.9	U
75-35-4	1,1-Dichloroethene	2.9	0.9	2.9	U
156-59-2	cis-1,2-Dichloroethene	7.0	1.1	2.9	
156-60-5	trans-1,2-Dichloroethene	2.9	1.3	2.9	U
78-87-5	1,2-Dichloropropane	2.9	1.0	2.9	U
142-28-9	1,3-Dichloropropane	2.9	0.6	2.9	U
594-20-7	2,2-Dichloropropane	2.9	1.4	2.9	U
563-58-6	1,1-Dichloropropene	2.9	0.7	2.9	U
10061-01-5	cis-1,3-Dichloropropene	2.9	0.6	2.9	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	1986914.D		
Sampled:	04/01/16 19:00	Prepared:	04/11/16 09:56	Analyzed:	04/11/16 12:23		
% Solids:	98.39	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.86 g / 5 ml		
Batch:	1605954	Sequence:	S602874	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	2.9	1.0	2.9	U
100-41-4	Ethylbenzene	2.9	0.5	2.9	U
87-68-3	Hexachlorobutadiene	2.9	0.6	2.9	U
591-78-6	2-Hexanone (MBK)	29.5	2.0	29.5	U
98-82-8	Isopropylbenzene	2.9	0.6	2.9	U
99-87-6	4-Isopropyltoluene	2.9	0.4	2.9	U
1634-04-4	Methyl tert-butyl ether	2.9	0.6	2.9	U
108-10-1	4-Methyl-2-pentanone (MIBK)	29.5	1.4	29.5	U
75-09-2	Methylene chloride	5.9	0.9	5.9	U
91-20-3	Naphthalene	2.9	1.6	2.9	U
103-65-1	n-Propylbenzene	2.9	0.4	2.9	U
100-42-5	Styrene	2.9	0.5	2.9	U
630-20-6	1,1,1,2-Tetrachloroethane	2.9	0.4	2.9	U
79-34-5	1,1,2,2-Tetrachloroethane	2.9	1.6	2.9	U
127-18-4	Tetrachloroethene	2.9	1.1	2.9	U
108-88-3	Toluene	2.9	0.7	2.9	U
87-61-6	1,2,3-Trichlorobenzene	2.9	1.7	2.9	U
120-82-1	1,2,4-Trichlorobenzene	2.9	1.0	2.9	U
71-55-6	1,1,1-Trichloroethane	2.9	0.8	2.9	U
108-70-3	1,3,5-Trichlorobenzene	2.9	0.6	2.9	U
79-00-5	1,1,2-Trichloroethane	2.9	0.6	2.9	U
79-01-6	Trichloroethene	0.5	0.5	2.9	J
75-69-4	Trichlorofluoromethane (Freon 11)	2.9	1.1	2.9	U
96-18-4	1,2,3-Trichloropropane	2.9	0.9	2.9	U
95-63-6	1,2,4-Trimethylbenzene	2.9	0.4	2.9	U
108-67-8	1,3,5-Trimethylbenzene	2.9	0.4	2.9	U
75-01-4	Vinyl chloride	2.9	1.1	2.9	U
179601-23-1	m,p-Xylene	5.9	0.6	5.9	U
95-47-6	o-Xylene	2.9	0.6	2.9	U
109-99-9	Tetrahydrofuran	5.9	3.2	5.9	U
60-29-7	Ethyl ether	2.9	0.7	2.9	U
994-05-8	Tert-amyl methyl ether	2.9	1.1	2.9	U
637-92-3	Ethyl tert-butyl ether	2.9	1.1	2.9	U
108-20-3	Di-isopropyl ether	2.9	0.4	2.9	U
75-65-0	Tert-Butanol / butyl alcohol	29.5	12.5	29.5	U
110-57-6	trans-1,4-Dichloro-2-butene	14.7	3.8	14.7	U
110-82-7	Cyclohexane	0.8	0.7	14.7	J
1330-20-7	Total Xylenes	2.9	0.6	2.9	U
79-20-9	Methyl acetate	14.7	1.2	14.7	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	1986914.D		
Sampled:	04/01/16 19:00	Prepared:	04/11/16 09:56	Analyzed:	04/11/16 12:23		
% Solids:	98.39	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.86 g / 5 ml		
Batch:	1605954	Sequence:	S602874	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	3.0	0.7	14.7	J
123-91-1	1,4-Dioxane	59.0	32.5	59.0	U
64-17-5	Ethanol	1180	68.0	1180	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	1986914.D		
Sampled:	04/01/16 19:00	Prepared:	04/11/16 09:56	Analyzed:	04/11/16 12:23		
% Solids:	98.39	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.86 g / 5 ml		
Batch:	1605954	Sequence:	S602874	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
78-78-4	Butane, 2-methyl-	1.67	3.3	JN

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	C186901.D
Sampled:	04/01/16 16:15	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 05:48
% Solids:	78.19	Preparation:	SW846 3545A	Initial/Final:	30.3995 g / 1 ml
Batch:	1605941	Sequence:	S602960	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	84.2	55.8	84.2	U
208-96-8	Acenaphthylene	84.2	56.4	84.2	U
62-53-3	Aniline	417	57.6	417	U
120-12-7	Anthracene	84.2	54.8	84.2	U
103-33-3	Azobenzene/Diphenyldiazene	417	51.7	417	U
92-87-5	Benzidine	417	179	417	U
56-55-3	Benzo (a) anthracene	84.2	47.1	84.2	U
50-32-8	Benzo (a) pyrene	84.2	51.6	84.2	U
205-99-2	Benzo (b) fluoranthene	84.2	46.4	84.2	U
191-24-2	Benzo (g,h,i) perylene	84.2	50.6	84.2	U
207-08-9	Benzo (k) fluoranthene	84.2	58.6	84.2	U
65-85-0	Benzoic acid	417	100	417	U
100-51-6	Benzyl alcohol	417	42.6	417	U
111-91-1	Bis(2-chloroethoxy)methane	417	48.8	417	U
111-44-4	Bis(2-chloroethyl)ether	211	47.1	211	U
108-60-1	Bis(2-chloroisopropyl)ether	211	48.4	211	U
117-81-7	Bis(2-ethylhexyl)phthalate	67.7	49.6	211	J
101-55-3	4-Bromophenyl phenyl ether	417	48.6	417	U
85-68-7	Butyl benzyl phthalate	417	52.2	417	U
86-74-8	Carbazole	67.7	55.0	211	J
59-50-7	4-Chloro-3-methylphenol	417	62.2	417	U
106-47-8	4-Chloroaniline	211	61.2	211	U
91-58-7	2-Chloronaphthalene	417	53.3	417	U
95-57-8	2-Chlorophenol	211	48.2	211	U
7005-72-3	4-Chlorophenyl phenyl ether	417	55.5	417	U
218-01-9	Chrysene	45.9	43.3	84.2	J
53-70-3	Dibenzo (a,h) anthracene	84.2	59.7	84.2	U
132-64-9	Dibenzofuran	211	54.3	211	U
95-50-1	1,2-Dichlorobenzene	417	52.3	417	U
541-73-1	1,3-Dichlorobenzene	417	46.5	417	U
106-46-7	1,4-Dichlorobenzene	417	49.4	417	U
91-94-1	3,3´-Dichlorobenzidine	417	60.9	417	U
120-83-2	2,4-Dichlorophenol	211	52.5	211	U
84-66-2	Diethyl phthalate	417	50.8	417	U
131-11-3	Dimethyl phthalate	417	49.2	417	U
105-67-9	2,4-Dimethylphenol	417	48.3	417	U
84-74-2	Di-n-butyl phthalate	417	51.7	417	U
534-52-1	4,6-Dinitro-2-methylphenol	417	62.9	417	U
51-28-5	2,4-Dinitrophenol	417	73.5	417	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	C186901.D
Sampled:	04/01/16 16:15	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 05:48
% Solids:	78.19	Preparation:	SW846 3545A	Initial/Final:	30.3995 g / 1 ml
Batch:	1605941	Sequence:	S602960	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	211	63.3	211	U
606-20-2	2,6-Dinitrotoluene	211	51.2	211	U
117-84-0	Di-n-octyl phthalate	417	61.1	417	U
206-44-0	Fluoranthene	109	47.2	84.2	
86-73-7	Fluorene	84.2	52.2	84.2	U
118-74-1	Hexachlorobenzene	211	49.2	211	U
87-68-3	Hexachlorobutadiene	211	52.1	211	U
77-47-4	Hexachlorocyclopentadiene	211	76.0	211	U
67-72-1	Hexachloroethane	211	46.3	211	U
193-39-5	Indeno (1,2,3-cd) pyrene	84.2	56.0	84.2	U
78-59-1	Isophorone	211	48.2	211	U
91-57-6	2-Methylnaphthalene	84.2	50.7	84.2	U
95-48-7	2-Methylphenol	417	48.9	417	U
108-39-4, 106-44	3 & 4-Methylphenol	417	49.3	417	U
91-20-3	Naphthalene	77.4	50.5	84.2	J
88-74-4	2-Nitroaniline	417	69.8	417	U
99-09-2	3-Nitroaniline	417	75.0	417	U
100-01-6	4-Nitroaniline	211	83.0	211	U
98-95-3	Nitrobenzene	211	51.1	211	U
88-75-5	2-Nitrophenol	211	54.3	211	U
100-02-7	4-Nitrophenol	1670	53.0	1670	U
62-75-9	N-Nitrosodimethylamine	211	47.7	211	U J
621-64-7	N-Nitrosodi-n-propylamine	211	49.4	211	U
86-30-6	N-Nitrosodiphenylamine	417	57.8	417	U
87-86-5	Pentachlorophenol	417	68.0	417	U J
85-01-8	Phenanthrene	120	50.8	84.2	
108-95-2	Phenol	417	50.0	417	U
129-00-0	Pyrene	87.5	44.1	84.2	
110-86-1	Pyridine	417	52.6	417	U J
120-82-1	1,2,4-Trichlorobenzene	417	49.8	417	U
90-12-0	1-Methylnaphthalene	84.2	52.2	84.2	U
82-68-8	Pentachloronitrobenzene	417	56.2	417	U
95-94-3	1,2,4,5-Tetrachlorobenzene	417	57.6	417	U
95-95-4	2,4,5-Trichlorophenol	417	52.7	417	U
88-06-2	2,4,6-Trichlorophenol	211	50.5	211	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	C186901.D		
Sampled:	04/01/16 16:15	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 05:48		
% Solids:	78.19	Preparation:	SW846 3545A	Initial/Final:	30.3995 g / 1 ml		
Batch:	1605941	Sequence:	S602960	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
102374-31-2	9-Benzyl-1,2,3,4,5,6,7,8-oc...	10.896	920	JN

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	C186903.D
Sampled:	04/01/16 17:05	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 06:19
% Solids:	82.79	Preparation:	SW846 3545A	Initial/Final:	30.226 g / 1 ml
Batch:	1605941	Sequence:	S602960	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	80.0	53.0	80.0	U
208-96-8	Acenaphthylene	80.0	53.6	80.0	U
62-53-3	Aniline	396	54.7	396	U
120-12-7	Anthracene	80.0	52.1	80.0	U
103-33-3	Azobenzene/Diphenyldiazene	396	49.1	396	U
92-87-5	Benzidine	396	170	396	U
56-55-3	Benzo (a) anthracene	80.0	44.7	80.0	U
50-32-8	Benzo (a) pyrene	80.0	49.0	80.0	U
205-99-2	Benzo (b) fluoranthene	80.0	44.1	80.0	U
191-24-2	Benzo (g,h,i) perylene	80.0	48.0	80.0	U
207-08-9	Benzo (k) fluoranthene	80.0	55.6	80.0	U
65-85-0	Benzoic acid	396	95.1	396	U
100-51-6	Benzyl alcohol	396	40.5	396	U J
111-91-1	Bis(2-chloroethoxy)methane	396	46.3	396	U
111-44-4	Bis(2-chloroethyl)ether	200	44.8	200	U
108-60-1	Bis(2-chloroisopropyl)ether	200	46.0	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	200	47.1	200	U
101-55-3	4-Bromophenyl phenyl ether	396	46.1	396	U
85-68-7	Butyl benzyl phthalate	396	49.5	396	U
86-74-8	Carbazole	200	52.3	200	U
59-50-7	4-Chloro-3-methylphenol	396	59.1	396	U
106-47-8	4-Chloroaniline	200	58.1	200	U
91-58-7	2-Chloronaphthalene	396	50.6	396	U
95-57-8	2-Chlorophenol	200	45.8	200	U
7005-72-3	4-Chlorophenyl phenyl ether	396	52.7	396	U
218-01-9	Chrysene	80.0	41.1	80.0	U
53-70-3	Dibenzo (a,h) anthracene	80.0	56.7	80.0	U
132-64-9	Dibenzofuran	200	51.6	200	U
95-50-1	1,2-Dichlorobenzene	396	49.7	396	U
541-73-1	1,3-Dichlorobenzene	396	44.2	396	U
106-46-7	1,4-Dichlorobenzene	396	47.0	396	U
91-94-1	3,3´-Dichlorobenzidine	396	57.8	396	U
120-83-2	2,4-Dichlorophenol	200	49.9	200	U
84-66-2	Diethyl phthalate	396	48.2	396	U
131-11-3	Dimethyl phthalate	396	46.7	396	U
105-67-9	2,4-Dimethylphenol	396	45.9	396	U
84-74-2	Di-n-butyl phthalate	396	49.1	396	U
534-52-1	4,6-Dinitro-2-methylphenol	396	59.8	396	U
51-28-5	2,4-Dinitrophenol	396	69.8	396	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	C186903.D		
Sampled:	04/01/16 17:05	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 06:19		
% Solids:	82.79	Preparation:	SW846 3545A	Initial/Final:	30.226 g / 1 ml		
Batch:	1605941	Sequence:	S602960	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	200	60.2	200	U
606-20-2	2,6-Dinitrotoluene	200	48.7	200	U
117-84-0	Di-n-octyl phthalate	396	58.1	396	U
206-44-0	Fluoranthene	80.0	44.8	80.0	U
86-73-7	Fluorene	80.0	49.5	80.0	U
118-74-1	Hexachlorobenzene	200	46.7	200	U
87-68-3	Hexachlorobutadiene	200	49.4	200	U
77-47-4	Hexachlorocyclopentadiene	200	72.2	200	U
67-72-1	Hexachloroethane	200	44.0	200	U
193-39-5	Indeno (1,2,3-cd) pyrene	80.0	53.2	80.0	U
78-59-1	Isophorone	200	45.8	200	U
91-57-6	2-Methylnaphthalene	80.0	48.2	80.0	U
95-48-7	2-Methylphenol	396	46.4	396	U
108-39-4, 106-44	3 & 4-Methylphenol	396	46.8	396	U
91-20-3	Naphthalene	80.0	48.0	80.0	U
88-74-4	2-Nitroaniline	396	66.3	396	U
99-09-2	3-Nitroaniline	396	71.2	396	U
100-01-6	4-Nitroaniline	200	78.8	200	U
98-95-3	Nitrobenzene	200	48.5	200	U
88-75-5	2-Nitrophenol	200	51.5	200	U
100-02-7	4-Nitrophenol	1580	50.3	1580	U
62-75-9	N-Nitrosodimethylamine	200	45.3	200	U J
621-64-7	N-Nitrosodi-n-propylamine	200	46.9	200	U
86-30-6	N-Nitrosodiphenylamine	396	54.9	396	U
87-86-5	Pentachlorophenol	396	64.6	396	U J
85-01-8	Phenanthrene	80.0	48.2	80.0	U
108-95-2	Phenol	396	47.5	396	U
129-00-0	Pyrene	80.0	41.9	80.0	U
110-86-1	Pyridine	396	49.9	396	U J
120-82-1	1,2,4-Trichlorobenzene	396	47.3	396	U
90-12-0	1-Methylnaphthalene	80.0	49.6	80.0	U
82-68-8	Pentachloronitrobenzene	396	53.4	396	U
95-94-3	1,2,4,5-Tetrachlorobenzene	396	54.7	396	U
95-95-4	2,4,5-Trichlorophenol	396	50.1	396	U
88-06-2	2,4,6-Trichlorophenol	200	47.9	200	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	C186903.D		
Sampled:	04/01/16 17:05	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 06:19		
% Solids:	82.79	Preparation:	SW846 3545A	Initial/Final:	30.226 g / 1 ml		
Batch:	1605941	Sequence:	S602960	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	C1986905.D
Sampled:	04/01/16 16:15	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 12:28
% Solids:	77.30	Preparation:	SW846 3545A	Initial/Final:	30.2091 g / 1 ml
Batch:	1605941	Sequence:	S603011	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	85.7	56.8	85.7	U
208-96-8	Acenaphthylene	85.7	57.4	85.7	U
62-53-3	Aniline	424	58.6	424	U
120-12-7	Anthracene	85.7	55.8	85.7	U
103-33-3	Azobenzene/Diphenyldiazene	424	52.7	424	U
92-87-5	Benzidine	424	183	424	U
56-55-3	Benzo (a) anthracene	65.5	47.9	85.7	J
50-32-8	Benzo (a) pyrene	85.7	52.5	85.7	U
205-99-2	Benzo (b) fluoranthene	85.7	47.2	85.7	U
191-24-2	Benzo (g,h,i) perylene	85.7	51.5	85.7	U
207-08-9	Benzo (k) fluoranthene	85.7	59.6	85.7	U
65-85-0	Benzoic acid	424	102	424	U
100-51-6	Benzyl alcohol	424	43.4	424	U J
111-91-1	Bis(2-chloroethoxy)methane	424	49.7	424	U
111-44-4	Bis(2-chloroethyl)ether	215	48.0	215	U
108-60-1	Bis(2-chloroisopropyl)ether	215	49.3	215	U
117-81-7	Bis(2-ethylhexyl)phthalate	75.8	50.5	215	J
101-55-3	4-Bromophenyl phenyl ether	424	49.4	424	U
85-68-7	Butyl benzyl phthalate	424	53.1	424	U
86-74-8	Carbazole	69.4	56.0	215	J
59-50-7	4-Chloro-3-methylphenol	424	63.3	424	U
106-47-8	4-Chloroaniline	215	62.3	215	U
91-58-7	2-Chloronaphthalene	424	54.2	424	U
95-57-8	2-Chlorophenol	215	49.1	215	U
7005-72-3	4-Chlorophenyl phenyl ether	424	56.5	424	U
218-01-9	Chrysene	67.2	44.1	85.7	J
53-70-3	Dibenzo (a,h) anthracene	85.7	60.8	85.7	U
132-64-9	Dibenzofuran	215	55.3	215	U
95-50-1	1,2-Dichlorobenzene	424	53.2	424	U
541-73-1	1,3-Dichlorobenzene	424	47.4	424	U
106-46-7	1,4-Dichlorobenzene	424	50.3	424	U
91-94-1	3,3´-Dichlorobenzidine	424	62.0	424	U
120-83-2	2,4-Dichlorophenol	215	53.5	215	U
84-66-2	Diethyl phthalate	424	51.7	424	U
131-11-3	Dimethyl phthalate	424	50.0	424	U
105-67-9	2,4-Dimethylphenol	424	49.2	424	U
84-74-2	Di-n-butyl phthalate	424	52.6	424	U
534-52-1	4,6-Dinitro-2-methylphenol	424	64.1	424	U
51-28-5	2,4-Dinitrophenol	424	74.8	424	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	C1986905.D		
Sampled:	04/01/16 16:15	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 12:28		
% Solids:	77.30	Preparation:	SW846 3545A	Initial/Final:	30.2091 g / 1 ml		
Batch:	1605941	Sequence:	S603011	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	215	64.5	215	U
606-20-2	2,6-Dinitrotoluene	215	52.1	215	U
117-84-0	Di-n-octyl phthalate	424	62.2	424	U
206-44-0	Fluoranthene	202	48.0	85.7	
86-73-7	Fluorene	85.7	53.1	85.7	U
118-74-1	Hexachlorobenzene	215	50.1	215	U
87-68-3	Hexachlorobutadiene	215	53.0	215	U
77-47-4	Hexachlorocyclopentadiene	215	77.3	215	U
67-72-1	Hexachloroethane	215	47.1	215	U
193-39-5	Indeno (1,2,3-cd) pyrene	85.7	57.0	85.7	U
78-59-1	Isophorone	215	49.0	215	U
91-57-6	2-Methylnaphthalene	85.7	51.6	85.7	U
95-48-7	2-Methylphenol	424	49.8	424	U
108-39-4, 106-44	3 & 4-Methylphenol	424	50.1	424	U
91-20-3	Naphthalene	98.9	51.4	85.7	
88-74-4	2-Nitroaniline	424	71.1	424	U
99-09-2	3-Nitroaniline	424	76.3	424	U J
100-01-6	4-Nitroaniline	215	84.5	215	U
98-95-3	Nitrobenzene	215	52.0	215	U
88-75-5	2-Nitrophenol	215	55.2	215	U
100-02-7	4-Nitrophenol	1700	53.9	1700	U
62-75-9	N-Nitrosodimethylamine	215	48.5	215	U
621-64-7	N-Nitrosodi-n-propylamine	215	50.3	215	U
86-30-6	N-Nitrosodiphenylamine	424	58.8	424	U
87-86-5	Pentachlorophenol	424	69.2	424	U
85-01-8	Phenanthrene	208	51.7	85.7	
108-95-2	Phenol	424	50.9	424	U
129-00-0	Pyrene	158	44.9	85.7	
110-86-1	Pyridine	424	53.5	424	U J
120-82-1	1,2,4-Trichlorobenzene	424	50.7	424	U
90-12-0	1-Methylnaphthalene	85.7	53.1	85.7	U
82-68-8	Pentachloronitrobenzene	424	57.2	424	U
95-94-3	1,2,4,5-Tetrachlorobenzene	424	58.6	424	U
95-95-4	2,4,5-Trichlorophenol	424	53.7	424	U
88-06-2	2,4,6-Trichlorophenol	215	51.4	215	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	C1986905.D		
Sampled:	04/01/16 16:15	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 12:28		
% Solids:	77.30	Preparation:	SW846 3545A	Initial/Final:	30.2091 g / 1 ml		
Batch:	1605941	Sequence:	S603011	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
014113-80-5	Cyclodecacyclododecene, 1,2...	10.879	910	JN

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	C1986907.D
Sampled:	04/01/16 15:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 02:44
% Solids:	92.15	Preparation:	SW846 3545A	Initial/Final:	30.1149 g / 1 ml
Batch:	1605941	Sequence:	S602960	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	72.1	47.8	72.1	U
208-96-8	Acenaphthylene	72.1	48.3	72.1	U
62-53-3	Aniline	357	49.3	357	U
120-12-7	Anthracene	72.1	46.9	72.1	U
103-33-3	Azobenzene/Diphenyldiazene	357	44.3	357	U
92-87-5	Benzidine	357	154	357	U
56-55-3	Benzo (a) anthracene	72.1	40.3	72.1	U
50-32-8	Benzo (a) pyrene	72.1	44.2	72.1	U
205-99-2	Benzo (b) fluoranthene	72.1	39.7	72.1	U
191-24-2	Benzo (g,h,i) perylene	72.1	43.3	72.1	U
207-08-9	Benzo (k) fluoranthene	72.1	50.2	72.1	U
65-85-0	Benzoic acid	357	85.8	357	U
100-51-6	Benzyl alcohol	357	36.5	357	U J
111-91-1	Bis(2-chloroethoxy)methane	357	41.8	357	U
111-44-4	Bis(2-chloroethyl)ether	181	40.4	181	U
108-60-1	Bis(2-chloroisopropyl)ether	181	41.5	181	U
117-81-7	Bis(2-ethylhexyl)phthalate	181	42.5	181	U
101-55-3	4-Bromophenyl phenyl ether	357	41.6	357	U
85-68-7	Butyl benzyl phthalate	357	44.7	357	U
86-74-8	Carbazole	181	47.1	181	U
59-50-7	4-Chloro-3-methylphenol	357	53.3	357	U
106-47-8	4-Chloroaniline	181	52.4	181	U
91-58-7	2-Chloronaphthalene	357	45.6	357	U
95-57-8	2-Chlorophenol	181	41.3	181	U
7005-72-3	4-Chlorophenyl phenyl ether	357	47.5	357	U
218-01-9	Chrysene	72.1	37.1	72.1	U
53-70-3	Dibenzo (a,h) anthracene	72.1	51.1	72.1	U
132-64-9	Dibenzofuran	181	46.5	181	U
95-50-1	1,2-Dichlorobenzene	357	44.8	357	U
541-73-1	1,3-Dichlorobenzene	357	39.9	357	U
106-46-7	1,4-Dichlorobenzene	357	42.3	357	U
91-94-1	3,3´-Dichlorobenzidine	357	52.2	357	U
120-83-2	2,4-Dichlorophenol	181	45.0	181	U
84-66-2	Diethyl phthalate	357	43.5	357	U
131-11-3	Dimethyl phthalate	357	42.1	357	U
105-67-9	2,4-Dimethylphenol	357	41.4	357	U
84-74-2	Di-n-butyl phthalate	357	44.3	357	U
534-52-1	4,6-Dinitro-2-methylphenol	357	53.9	357	U
51-28-5	2,4-Dinitrophenol	357	62.9	357	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	C1986907.D		
Sampled:	04/01/16 15:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 02:44		
% Solids:	92.15	Preparation:	SW846 3545A	Initial/Final:	30.1149 g / 1 ml		
Batch:	1605941	Sequence:	S602960	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	181	54.2	181	U
606-20-2	2,6-Dinitrotoluene	181	43.9	181	U
117-84-0	Di-n-octyl phthalate	357	52.4	357	U
206-44-0	Fluoranthene	72.1	40.4	72.1	U
86-73-7	Fluorene	72.1	44.7	72.1	U
118-74-1	Hexachlorobenzene	181	42.1	181	U
87-68-3	Hexachlorobutadiene	181	44.6	181	U
77-47-4	Hexachlorocyclopentadiene	181	65.1	181	U
67-72-1	Hexachloroethane	181	39.7	181	U
193-39-5	Indeno (1,2,3-cd) pyrene	72.1	48.0	72.1	U
78-59-1	Isophorone	181	41.3	181	U
91-57-6	2-Methylnaphthalene	72.1	43.4	72.1	U
95-48-7	2-Methylphenol	357	41.9	357	U
108-39-4, 106-44	3 & 4-Methylphenol	357	42.2	357	U
91-20-3	Naphthalene	72.1	43.3	72.1	U
88-74-4	2-Nitroaniline	357	59.8	357	U
99-09-2	3-Nitroaniline	357	64.2	357	U
100-01-6	4-Nitroaniline	181	71.1	181	U
98-95-3	Nitrobenzene	181	43.8	181	U
88-75-5	2-Nitrophenol	181	46.5	181	U
100-02-7	4-Nitrophenol	1430	45.4	1430	U
62-75-9	N-Nitrosodimethylamine	181	40.9	181	U J
621-64-7	N-Nitrosodi-n-propylamine	181	42.3	181	U
86-30-6	N-Nitrosodiphenylamine	357	49.5	357	U
87-86-5	Pentachlorophenol	357	58.3	357	U J
85-01-8	Phenanthrene	72.1	43.5	72.1	U
108-95-2	Phenol	357	42.8	357	U
129-00-0	Pyrene	72.1	37.8	72.1	U
110-86-1	Pyridine	357	45.0	357	U J
120-82-1	1,2,4-Trichlorobenzene	357	42.7	357	U
90-12-0	1-Methylnaphthalene	72.1	44.7	72.1	U
82-68-8	Pentachloronitrobenzene	357	48.1	357	U
95-94-3	1,2,4,5-Tetrachlorobenzene	357	49.3	357	U
95-95-4	2,4,5-Trichlorophenol	357	45.2	357	U
88-06-2	2,4,6-Trichlorophenol	181	43.2	181	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	C1986907.D		
Sampled:	04/01/16 15:30	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 02:44		
% Solids:	92.15	Preparation:	SW846 3545A	Initial/Final:	30.1149 g / 1 ml		
Batch:	1605941	Sequence:	S602960	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	C1986908.D
Sampled:	04/01/16 20:00	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 12:59
% Solids:	79.94	Preparation:	SW846 3545A	Initial/Final:	30.3051 g / 1 ml
Batch:	1605941	Sequence:	S603011	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	82.6	54.7	82.6	U
208-96-8	Acenaphthylene	82.6	55.4	82.6	U
62-53-3	Aniline	409	56.5	409	U
120-12-7	Anthracene	82.6	53.8	82.6	U
103-33-3	Azobenzene/Diphenyldiazene	409	50.8	409	U
92-87-5	Benzidine	409	176	409	U
56-55-3	Benzo (a) anthracene	82.6	46.2	82.6	U
50-32-8	Benzo (a) pyrene	82.6	50.6	82.6	U
205-99-2	Benzo (b) fluoranthene	82.6	45.5	82.6	U
191-24-2	Benzo (g,h,i) perylene	82.6	49.6	82.6	U
207-08-9	Benzo (k) fluoranthene	82.6	57.5	82.6	U
65-85-0	Benzoic acid	409	98.3	409	U
100-51-6	Benzyl alcohol	409	41.8	409	U
111-91-1	Bis(2-chloroethoxy)methane	409	47.9	409	U
111-44-4	Bis(2-chloroethyl)ether	207	46.3	207	U
108-60-1	Bis(2-chloroisopropyl)ether	207	47.5	207	U
117-81-7	Bis(2-ethylhexyl)phthalate	207	48.6	207	U
101-55-3	4-Bromophenyl phenyl ether	409	47.6	409	U
85-68-7	Butyl benzyl phthalate	409	51.2	409	U
86-74-8	Carbazole	207	54.0	207	U
59-50-7	4-Chloro-3-methylphenol	409	61.1	409	U
106-47-8	4-Chloroaniline	207	60.0	207	U
91-58-7	2-Chloronaphthalene	409	52.2	409	U
95-57-8	2-Chlorophenol	207	47.3	207	U
7005-72-3	4-Chlorophenyl phenyl ether	409	54.4	409	U
218-01-9	Chrysene	82.6	42.5	82.6	U
53-70-3	Dibenzo (a,h) anthracene	82.6	58.6	82.6	U
132-64-9	Dibenzofuran	207	53.3	207	U
95-50-1	1,2-Dichlorobenzene	409	51.3	409	U
541-73-1	1,3-Dichlorobenzene	409	45.7	409	U
106-46-7	1,4-Dichlorobenzene	409	48.5	409	U
91-94-1	3,3´-Dichlorobenzidine	409	59.8	409	U
120-83-2	2,4-Dichlorophenol	207	51.5	207	U
84-66-2	Diethyl phthalate	409	49.8	409	U
131-11-3	Dimethyl phthalate	409	48.2	409	U
105-67-9	2,4-Dimethylphenol	409	47.4	409	U
84-74-2	Di-n-butyl phthalate	409	50.7	409	U
534-52-1	4,6-Dinitro-2-methylphenol	409	61.8	409	U
51-28-5	2,4-Dinitrophenol	409	72.1	409	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	C1986908.D
Sampled:	04/01/16 20:00	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 12:59
% Solids:	79.94	Preparation:	SW846 3545A	Initial/Final:	30.3051 g / 1 ml
Batch:	1605941	Sequence:	S603011	Calibration:	1602029
Instrument:	HPS5				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	207	62.1	207	U
606-20-2	2,6-Dinitrotoluene	207	50.3	207	U
117-84-0	Di-n-octyl phthalate	409	60.0	409	U
206-44-0	Fluoranthene	82.6	46.3	82.6	U
86-73-7	Fluorene	82.6	51.2	82.6	U
118-74-1	Hexachlorobenzene	207	48.3	207	U
87-68-3	Hexachlorobutadiene	207	51.1	207	U
77-47-4	Hexachlorocyclopentadiene	207	74.5	207	U
67-72-1	Hexachloroethane	207	45.4	207	U
193-39-5	Indeno (1,2,3-cd) pyrene	82.6	54.9	82.6	U
78-59-1	Isophorone	207	47.3	207	U
91-57-6	2-Methylnaphthalene	82.6	49.7	82.6	U
95-48-7	2-Methylphenol	409	48.0	409	U
108-39-4, 106-44	3 & 4-Methylphenol	409	48.3	409	U
91-20-3	Naphthalene	82.6	49.6	82.6	U
88-74-4	2-Nitroaniline	409	68.5	409	U
99-09-2	3-Nitroaniline	409	73.6	409	U
100-01-6	4-Nitroaniline	207	81.4	207	U
98-95-3	Nitrobenzene	207	50.1	207	U
88-75-5	2-Nitrophenol	207	53.2	207	U
100-02-7	4-Nitrophenol	1630	52.0	1630	U
62-75-9	N-Nitrosodimethylamine	207	46.8	207	U
621-64-7	N-Nitrosodi-n-propylamine	207	48.5	207	U
86-30-6	N-Nitrosodiphenylamine	409	56.7	409	U
87-86-5	Pentachlorophenol	409	66.7	409	U
85-01-8	Phenanthrene	82.6	49.8	82.6	U
108-95-2	Phenol	409	49.1	409	U
129-00-0	Pyrene	82.6	43.3	82.6	U
110-86-1	Pyridine	409	51.6	409	U
120-82-1	1,2,4-Trichlorobenzene	409	48.9	409	U
90-12-0	1-Methylnaphthalene	82.6	51.2	82.6	U
82-68-8	Pentachloronitrobenzene	409	55.1	409	U
95-94-3	1,2,4,5-Tetrachlorobenzene	409	56.5	409	U
95-95-4	2,4,5-Trichlorophenol	409	51.8	409	U
88-06-2	2,4,6-Trichlorophenol	207	49.5	207	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	C1986908.D		
Sampled:	04/01/16 20:00	Prepared:	04/11/16 07:00	Analyzed:	04/13/16 12:59		
% Solids:	79.94	Preparation:	SW846 3545A	Initial/Final:	30.3051 g / 1 ml		
Batch:	1605941	Sequence:	S603011	Calibration:	1602029	Instrument:	HPS5
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	C1986910.D
Sampled:	04/01/16 17:30	Prepared:	04/11/16 07:00	Analyzed:	04/14/16 19:50
% Solids:	78.92	Preparation:	SW846 3545A	Initial/Final:	30.0051 g / 1 ml
Batch:	1605941	Sequence:	S603047	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	84.5	56.0	84.5	U
208-96-8	Acenaphthylene	84.5	56.6	84.5	U
62-53-3	Aniline	418	57.8	418	U
120-12-7	Anthracene	84.5	55.0	84.5	U
103-33-3	Azobenzene/Diphenyldiazene	418	51.9	418	U
92-87-5	Benzidine	418	180	418	U
56-55-3	Benzo (a) anthracene	84.5	47.3	84.5	U
50-32-8	Benzo (a) pyrene	84.5	51.8	84.5	U
205-99-2	Benzo (b) fluoranthene	84.5	46.6	84.5	U
191-24-2	Benzo (g,h,i) perylene	84.5	50.8	84.5	U
207-08-9	Benzo (k) fluoranthene	84.5	58.8	84.5	U
65-85-0	Benzoic acid	418	101	418	U
100-51-6	Benzyl alcohol	418	42.8	418	U
111-91-1	Bis(2-chloroethoxy)methane	418	49.0	418	U
111-44-4	Bis(2-chloroethyl)ether	212	47.3	212	U
108-60-1	Bis(2-chloroisopropyl)ether	212	48.6	212	U
117-81-7	Bis(2-ethylhexyl)phthalate	212	49.8	212	U
101-55-3	4-Bromophenyl phenyl ether	418	48.7	418	U
85-68-7	Butyl benzyl phthalate	418	52.4	418	U
86-74-8	Carbazole	212	55.2	212	U
59-50-7	4-Chloro-3-methylphenol	418	62.5	418	U
106-47-8	4-Chloroaniline	212	61.4	212	U
91-58-7	2-Chloronaphthalene	418	53.4	418	U
95-57-8	2-Chlorophenol	212	48.4	212	U
7005-72-3	4-Chlorophenyl phenyl ether	418	55.7	418	U
218-01-9	Chrysene	84.5	43.5	84.5	U
53-70-3	Dibenzo (a,h) anthracene	84.5	59.9	84.5	U
132-64-9	Dibenzofuran	212	54.5	212	U
95-50-1	1,2-Dichlorobenzene	418	52.5	418	U
541-73-1	1,3-Dichlorobenzene	418	46.7	418	U
106-46-7	1,4-Dichlorobenzene	418	49.6	418	U
91-94-1	3,3´-Dichlorobenzidine	418	61.1	418	U
120-83-2	2,4-Dichlorophenol	212	52.7	212	U
84-66-2	Diethyl phthalate	418	51.0	418	U
131-11-3	Dimethyl phthalate	418	49.3	418	U
105-67-9	2,4-Dimethylphenol	418	48.5	418	U
84-74-2	Di-n-butyl phthalate	418	51.9	418	U
534-52-1	4,6-Dinitro-2-methylphenol	418	63.2	418	U
51-28-5	2,4-Dinitrophenol	418	73.7	418	U

lw 6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	19869
Client:	Day Environmental, Inc.	Project:	McAlpin - Rochester, NY
Project Number:	5211S-16	Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10
File ID:	C1986910.D		
Sampled:	04/01/16 17:30	Prepared:	04/11/16 07:00
Analyzed:	04/14/16 19:50		
% Solids:	78.92	Preparation:	SW846 3545A
Initial/Final:	30.0051 g / 1 ml		
Batch:	1605941	Sequence:	S603047
Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	212	63.6	212	U
606-20-2	2,6-Dinitrotoluene	212	51.4	212	U
117-84-0	Di-n-octyl phthalate	418	61.4	418	U
206-44-0	Fluoranthene	84.5	47.4	84.5	U
86-73-7	Fluorene	84.5	52.3	84.5	U
118-74-1	Hexachlorobenzene	212	49.4	212	U
87-68-3	Hexachlorobutadiene	212	52.2	212	U
77-47-4	Hexachlorocyclopentadiene	212	76.3	212	U
67-72-1	Hexachloroethane	212	46.5	212	U
193-39-5	Indeno (1,2,3-cd) pyrene	84.5	56.2	84.5	U
78-59-1	Isophorone	212	48.4	212	U
91-57-6	2-Methylnaphthalene	84.5	50.9	84.5	U
95-48-7	2-Methylphenol	418	49.1	418	U
108-39-4, 106-44	3 & 4-Methylphenol	418	49.4	418	U
91-20-3	Naphthalene	84.5	50.7	84.5	U
88-74-4	2-Nitroaniline	418	70.1	418	U
99-09-2	3-Nitroaniline	418	75.3	418	U
100-01-6	4-Nitroaniline	212	83.3	212	U
98-95-3	Nitrobenzene	212	51.3	212	U
88-75-5	2-Nitrophenol	212	54.5	212	U
100-02-7	4-Nitrophenol	1670	53.2	1670	U
62-75-9	N-Nitrosodimethylamine	212	47.9	212	U
621-64-7	N-Nitrosodi-n-propylamine	212	49.6	212	U
86-30-6	N-Nitrosodiphenylamine	418	58.0	418	U
87-86-5	Pentachlorophenol	418	68.3	418	U J
85-01-8	Phenanthrene	84.5	51.0	84.5	U
108-95-2	Phenol	418	50.2	418	U
129-00-0	Pyrene	84.5	44.3	84.5	U
110-86-1	Pyridine	418	52.8	418	U
120-82-1	1,2,4-Trichlorobenzene	418	50.0	418	U
90-12-0	1-Methylnaphthalene	84.5	52.4	84.5	U
95-95-4	2,4,5-Trichlorophenol	418	52.9	418	U
88-06-2	2,4,6-Trichlorophenol	212	50.6	212	U
82-68-8	Pentachloronitrobenzene	418	56.4	418	U
95-94-3	1,2,4,5-Tetrachlorobenzene	418	57.8	418	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	C1986910.D		
Sampled:	04/01/16 17:30	Prepared:	04/11/16 07:00	Analyzed:	04/14/16 19:50		
% Solids:	78.92	Preparation:	SW846 3545A	Initial/Final:	30.0051 g / 1 ml		
Batch:	1605941	Sequence:	S603047	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	C1986914.D
Sampled:	04/01/16 19:00	Prepared:	04/11/16 07:00	Analyzed:	04/14/16 20:19
% Solids:	98.39	Preparation:	SW846 3545A	Initial/Final:	30.4589 g / 1 ml
Batch:	1605941	Sequence:	S603047	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	66.8	44.2	66.8	U
208-96-8	Acenaphthylene	66.8	44.7	66.8	U
62-53-3	Aniline	330	45.7	330	U
120-12-7	Anthracene	66.8	43.5	66.8	U
103-33-3	Azobenzene/Diphenyldiazene	330	41.0	330	U
92-87-5	Benzidine	330	142	330	U
56-55-3	Benzo (a) anthracene	66.8	37.3	66.8	U
50-32-8	Benzo (a) pyrene	66.8	40.9	66.8	U
205-99-2	Benzo (b) fluoranthene	66.8	36.8	66.8	U
191-24-2	Benzo (g,h,i) perylene	66.8	40.1	66.8	U
207-08-9	Benzo (k) fluoranthene	66.8	46.5	66.8	U
65-85-0	Benzoic acid	330	79.4	330	U
100-51-6	Benzyl alcohol	330	33.8	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	38.7	330	U
111-44-4	Bis(2-chloroethyl)ether	167	37.4	167	U
108-60-1	Bis(2-chloroisopropyl)ether	167	38.4	167	U
117-81-7	Bis(2-ethylhexyl)phthalate	167	39.3	167	U
101-55-3	4-Bromophenyl phenyl ether	330	38.5	330	U
85-68-7	Butyl benzyl phthalate	330	41.4	330	U
86-74-8	Carbazole	167	43.6	167	U
59-50-7	4-Chloro-3-methylphenol	330	49.4	330	U
106-47-8	4-Chloroaniline	167	48.5	167	U
91-58-7	2-Chloronaphthalene	330	42.2	330	U
95-57-8	2-Chlorophenol	167	38.3	167	U
7005-72-3	4-Chlorophenyl phenyl ether	330	44.0	330	U
218-01-9	Chrysene	66.8	34.3	66.8	U
53-70-3	Dibenzo (a,h) anthracene	66.8	47.3	66.8	U
132-64-9	Dibenzofuran	167	43.1	167	U
95-50-1	1,2-Dichlorobenzene	330	41.5	330	U
541-73-1	1,3-Dichlorobenzene	330	36.9	330	U
106-46-7	1,4-Dichlorobenzene	330	39.2	330	U
91-94-1	3,3´-Dichlorobenzidine	330	48.3	330	U
120-83-2	2,4-Dichlorophenol	167	41.7	167	U
84-66-2	Diethyl phthalate	330	40.3	330	U
131-11-3	Dimethyl phthalate	330	39.0	330	U
105-67-9	2,4-Dimethylphenol	330	38.3	330	U
84-74-2	Di-n-butyl phthalate	330	41.0	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	49.9	330	U
51-28-5	2,4-Dinitrophenol	330	58.3	330	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	C1986914.D		
Sampled:	04/01/16 19:00	Prepared:	04/11/16 07:00	Analyzed:	04/14/16 20:19		
% Solids:	98.39	Preparation:	SW846 3545A	Initial/Final:	30.4589 g / 1 ml		
Batch:	1605941	Sequence:	S603047	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	167	50.2	167	U
606-20-2	2,6-Dinitrotoluene	167	40.6	167	U
117-84-0	Di-n-octyl phthalate	330	48.5	330	U
206-44-0	Fluoranthene	66.8	37.4	66.8	U
86-73-7	Fluorene	66.8	41.4	66.8	U
118-74-1	Hexachlorobenzene	167	39.0	167	U
87-68-3	Hexachlorobutadiene	167	41.3	167	U
77-47-4	Hexachlorocyclopentadiene	167	60.3	167	U
67-72-1	Hexachloroethane	167	36.7	167	U
193-39-5	Indeno (1,2,3-cd) pyrene	66.8	44.4	66.8	U
78-59-1	Isophorone	167	38.2	167	U
91-57-6	2-Methylnaphthalene	66.8	40.2	66.8	U
95-48-7	2-Methylphenol	330	38.8	330	U
108-39-4, 106-44	3 & 4-Methylphenol	330	39.1	330	U
91-20-3	Naphthalene	66.8	40.1	66.8	U
88-74-4	2-Nitroaniline	330	55.4	330	U
99-09-2	3-Nitroaniline	330	59.5	330	U
100-01-6	4-Nitroaniline	167	65.8	167	U
98-95-3	Nitrobenzene	167	40.5	167	U
88-75-5	2-Nitrophenol	167	43.0	167	U
100-02-7	4-Nitrophenol	1320	42.0	1320	U
62-75-9	N-Nitrosodimethylamine	167	37.8	167	U
621-64-7	N-Nitrosodi-n-propylamine	167	39.2	167	U
86-30-6	N-Nitrosodiphenylamine	330	45.9	330	U
87-86-5	Pentachlorophenol	330	53.9	330	U J
85-01-8	Phenanthrene	66.8	40.3	66.8	U
108-95-2	Phenol	330	39.7	330	U
129-00-0	Pyrene	66.8	35.0	66.8	U
110-86-1	Pyridine	330	41.7	330	U
120-82-1	1,2,4-Trichlorobenzene	330	39.5	330	U
90-12-0	1-Methylnaphthalene	66.8	41.4	66.8	U
95-95-4	2,4,5-Trichlorophenol	330	41.8	330	U
88-06-2	2,4,6-Trichlorophenol	167	40.0	167	U
82-68-8	Pentachloronitrobenzene	330	44.6	330	U
95-94-3	1,2,4,5-Tetrachlorobenzene	330	45.7	330	U

lw-6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/04/16 14:57		
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	C1986914.D		
Sampled:	04/01/16 19:00	Prepared:	04/11/16 07:00	Analyzed:	04/14/16 20:19		
% Solids:	98.39	Preparation:	SW846 3545A	Initial/Final:	30.4589 g / 1 ml		
Batch:	1605941	Sequence:	S603047	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000301-02-0	9-Octadecenamide, (Z)-	16.242	660	JN

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	1986901.D
Sampled:	04/01/16 16:15	Prepared:	04/08/16 07:00	Analyzed:	04/11/16 17:16
% Solids:	78.19	Preparation:	SW846 3545A	Initial/Final:	20.2943 g / 10 ml
Batch:	1605793	Sequence:	S602912	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	25.2	14.3	25.2	U
11104-28-2	Aroclor-1221	25.2	18.6	25.2	U
11141-16-5	Aroclor-1232	25.2	18.7	25.2	U
53469-21-9	Aroclor-1242	25.2	15.1	25.2	U
12672-29-6	Aroclor-1248	25.2	15.6	25.2	U
11097-69-1	Aroclor-1254	35.1	16.8	25.2	
11096-82-5	Aroclor-1260	25.2	11.4	25.2	U
37324-23-5	Aroclor-1262	25.2	19.4	25.2	U
11100-14-4	Aroclor-1268	25.2	14.7	25.2	U

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	1986903.D
Sampled:	04/01/16 17:05	Prepared:	04/08/16 07:00	Analyzed:	04/11/16 17:31
% Solids:	82.79	Preparation:	SW846 3545A	Initial/Final:	20.3418 g / 10 ml
Batch:	1605793	Sequence:	S602912	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	23.8	13.4	23.8	U
11104-28-2	Aroclor-1221	23.8	17.5	23.8	U
11141-16-5	Aroclor-1232	23.8	17.6	23.8	U
53469-21-9	Aroclor-1242	23.8	14.3	23.8	U
12672-29-6	Aroclor-1248	23.8	14.7	23.8	U
11097-69-1	Aroclor-1254	23.8	10.7	23.8	U
11096-82-5	Aroclor-1260	23.8	10.7	23.8	U
37324-23-5	Aroclor-1262	23.8	18.2	23.8	U
11100-14-4	Aroclor-1268	23.8	13.9	23.8	U

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	1986905.D
Sampled:	04/01/16 16:15	Prepared:	04/08/16 07:00	Analyzed:	04/11/16 17:46
% Solids:	77.30	Preparation:	SW846 3545A	Initial/Final:	20.346 g / 10 ml
Batch:	1605793	Sequence:	S602912	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	25.4	14.4	25.4	U
11104-28-2	Aroclor-1221	25.4	18.7	25.4	U
11141-16-5	Aroclor-1232	25.4	18.9	25.4	U
53469-21-9	Aroclor-1242	25.4	15.3	25.4	U
12672-29-6	Aroclor-1248	25.4	15.7	25.4	U
11097-69-1	Aroclor-1254	86.0	16.9	25.4	
11096-82-5	Aroclor-1260	25.4	11.5	25.4	U
37324-23-5	Aroclor-1262	25.4	19.5	25.4	U
11100-14-4	Aroclor-1268	25.4	14.8	25.4	U

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	1986907.D
Sampled:	04/01/16 15:30	Prepared:	04/08/16 07:00	Analyzed:	04/11/16 18:00
% Solids:	92.15	Preparation:	SW846 3545A	Initial/Final:	20.0354 g / 10 ml
Batch:	1605793	Sequence:	S602912	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	21.7	12.3	21.7	U
11104-28-2	Aroclor-1221	21.7	15.9	21.7	U
11141-16-5	Aroclor-1232	21.7	16.1	21.7	U
53469-21-9	Aroclor-1242	21.7	13.0	21.7	U
12672-29-6	Aroclor-1248	21.7	13.4	21.7	U
11097-69-1	Aroclor-1254	21.7	9.80	21.7	U
11096-82-5	Aroclor-1260	21.7	9.77	21.7	U
37324-23-5	Aroclor-1262	21.7	16.6	21.7	U
11100-14-4	Aroclor-1268	21.7	12.6	21.7	U

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FORM I - ANALYSIS DATA SHEET
SW846 8082A

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	1986908.D
Sampled:	04/01/16 20:00	Prepared:	04/08/16 07:00	Analyzed:	04/11/16 18:16
% Solids:	79.94	Preparation:	SW846 3545A	Initial/Final:	20.4315 g / 10 ml
Batch:	1605793	Sequence:	S602912	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	24.5	13.8	24.5	U
11104-28-2	Aroclor-1221	24.5	18.0	24.5	U
11141-16-5	Aroclor-1232	24.5	18.2	24.5	U
53469-21-9	Aroclor-1242	24.5	14.7	24.5	U
12672-29-6	Aroclor-1248	24.5	15.1	24.5	U
11097-69-1	Aroclor-1254	24.5	11.1	24.5	U
11096-82-5	Aroclor-1260	24.5	11.0	24.5	U
37324-23-5	Aroclor-1262	24.5	18.8	24.5	U
11100-14-4	Aroclor-1268	24.5	14.3	24.5	U

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	1986910.D
Sampled:	04/01/16 17:30	Prepared:	04/08/16 07:00	Analyzed:	04/11/16 18:31
% Solids:	78.92	Preparation:	SW846 3545A	Initial/Final:	20.107 g / 10 ml
Batch:	1605793	Sequence:	S602912	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	25.2	14.3	25.2	U
11104-28-2	Aroclor-1221	25.2	18.6	25.2	U
11141-16-5	Aroclor-1232	25.2	18.7	25.2	U
53469-21-9	Aroclor-1242	25.2	15.1	25.2	U
12672-29-6	Aroclor-1248	25.2	15.6	25.2	U
11097-69-1	Aroclor-1254	25.2	11.4	25.2	U
11096-82-5	Aroclor-1260	25.2	11.4	25.2	U
37324-23-5	Aroclor-1262	25.2	19.4	25.2	U
11100-14-4	Aroclor-1268	25.2	14.7	25.2	U

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	1986914.D
Sampled:	04/01/16 19:00	Prepared:	04/08/16 07:00	Analyzed:	04/11/16 18:46
% Solids:	98.39	Preparation:	SW846 3545A	Initial/Final:	20.1938 g / 10 ml
Batch:	1605793	Sequence:	S602912	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	20.1	11.4	20.1	U
11104-28-2	Aroclor-1221	20.1	14.8	20.1	U
11141-16-5	Aroclor-1232	20.1	14.9	20.1	U
53469-21-9	Aroclor-1242	20.1	12.1	20.1	U
12672-29-6	Aroclor-1248	20.1	12.4	20.1	U
11097-69-1	Aroclor-1254	20.1	9.11	20.1	U
11096-82-5	Aroclor-1260	20.1	9.08	20.1	U
37324-23-5	Aroclor-1262	20.1	15.5	20.1	U
11100-14-4	Aroclor-1268	20.1	11.7	20.1	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	1986901P.D
Sampled:	04/01/16 16:15	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 15:07
% Solids:	78.19	Preparation:	SW846 3545A	Initial/Final:	20.2943 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.30	1.52	6.30	U
319-85-7	beta-BHC	6.30	1.79	6.30	U
319-86-8	delta-BHC	6.30	1.60	6.30	U
58-89-9	gamma-BHC (Lindane)	3.78	1.63	3.78	U
76-44-8	Heptachlor	6.30	1.65	6.30	U
309-00-2	Aldrin	6.30	1.71	6.30	U
1024-57-3	Heptachlor epoxide	6.30	1.74	6.30	U
959-98-8	Endosulfan I	6.30	1.82	6.30	U
60-57-1	Dieldrin	6.30	1.76	6.30	U
72-55-9	4,4'-DDE (p,p')	6.30	1.69	6.30	U
72-20-8	Endrin	10.1	1.95	10.1	U
33213-65-9	Endosulfan II	10.1	1.87	10.1	U
72-54-8	4,4'-DDD (p,p')	10.1	1.81	10.1	U
1031-07-8	Endosulfan sulfate	10.1	1.99	10.1	U
50-29-3	4,4'-DDT (p,p')	10.1	1.85	10.1	U
72-43-5	Methoxychlor	10.1	1.94	10.1	U
53494-70-5	Endrin ketone	10.1	1.92	10.1	U
7421-93-4	Endrin aldehyde	10.1	1.75	10.1	U
5103-71-9	alpha-Chlordane	6.30	1.82	6.30	U
5566-34-7	gamma-Chlordane	6.30	1.66	6.30	U
8001-35-2	Toxaphene	126	54.8	126	U
57-74-9	Chlordane	25.2	23.4	25.2	U
15972-60-8	Alachlor	6.30	1.68	6.30	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	1986903P.D
Sampled:	04/01/16 17:05	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 15:25
% Solids:	82.79	Preparation:	SW846 3545A	Initial/Final:	20.3418 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.94	1.43	5.94	U
319-85-7	beta-BHC	5.94	1.68	5.94	U
319-86-8	delta-BHC	5.94	1.51	5.94	U
58-89-9	gamma-BHC (Lindane)	3.56	1.54	3.56	U
76-44-8	Heptachlor	5.94	1.56	5.94	U
309-00-2	Aldrin	5.94	1.61	5.94	U
1024-57-3	Heptachlor epoxide	5.94	1.64	5.94	U
959-98-8	Endosulfan I	5.94	1.72	5.94	U
60-57-1	Dieldrin	5.94	1.66	5.94	U
72-55-9	4,4'-DDE (p,p')	5.94	1.59	5.94	U
72-20-8	Endrin	9.50	1.83	9.50	U
33213-65-9	Endosulfan II	9.50	1.76	9.50	U
72-54-8	4,4'-DDD (p,p')	9.50	1.70	9.50	U
1031-07-8	Endosulfan sulfate	9.50	1.87	9.50	U
50-29-3	4,4'-DDT (p,p')	9.50	1.74	9.50	U
72-43-5	Methoxychlor	9.50	1.83	9.50	U
53494-70-5	Endrin ketone	9.50	1.81	9.50	U
7421-93-4	Endrin aldehyde	9.50	1.65	9.50	U
5103-71-9	alpha-Chlordane	5.94	1.72	5.94	U
5566-34-7	gamma-Chlordane	5.94	1.56	5.94	U
8001-35-2	Toxaphene	119	51.7	119	U
57-74-9	Chlordane	23.8	22.1	23.8	U
15972-60-8	Alachlor	5.94	1.59	5.94	U

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	1986905P.D
Sampled:	04/01/16 16:15	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 15:42
% Solids:	77.30	Preparation:	SW846 3545A	Initial/Final:	20.346 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.36	1.53	6.36	U
319-85-7	beta-BHC	6.36	1.80	6.36	U
319-86-8	delta-BHC	6.36	1.62	6.36	U
58-89-9	gamma-BHC (Lindane)	3.81	1.65	3.81	U
76-44-8	Heptachlor	6.36	1.67	6.36	U
309-00-2	Aldrin	6.36	1.73	6.36	U
1024-57-3	Heptachlor epoxide	6.36	1.76	6.36	U
959-98-8	Endosulfan I	6.36	1.84	6.36	U
60-57-1	Dieldrin	6.36	1.78	6.36	U
72-55-9	4,4'-DDE (p,p')	6.36	1.70	6.36	U
72-20-8	Endrin	10.2	1.96	10.2	U
33213-65-9	Endosulfan II	10.2	1.88	10.2	U
72-54-8	4,4'-DDD (p,p')	10.2	1.82	10.2	U
1031-07-8	Endosulfan sulfate	10.2	2.01	10.2	U
50-29-3	4,4'-DDT (p,p')	10.2	1.87	10.2	U
72-43-5	Methoxychlor	10.2	1.96	10.2	U
53494-70-5	Endrin ketone	10.2	1.94	10.2	U
7421-93-4	Endrin aldehyde	10.2	1.77	10.2	U
5103-71-9	alpha-Chlordane	6.36	1.84	6.36	U
5566-34-7	gamma-Chlordane	6.36	1.67	6.36	U
8001-35-2	Toxaphene	127	55.3	127	U
57-74-9	Chlordane	25.4	23.7	25.4	U
15972-60-8	Alachlor	6.36	1.70	6.36	U

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	1986907P.D
Sampled:	04/01/16 15:30	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 15:59
% Solids:	92.15	Preparation:	SW846 3545A	Initial/Final:	20.0354 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.42	1.30	5.42	U
319-85-7	beta-BHC	5.42	1.54	5.42	U
319-86-8	delta-BHC	5.42	1.38	5.42	U
58-89-9	gamma-BHC (Lindane)	3.25	1.40	3.25	U
76-44-8	Heptachlor	5.42	1.42	5.42	U
309-00-2	Aldrin	5.42	1.47	5.42	U
1024-57-3	Heptachlor epoxide	5.42	1.50	5.42	U
959-98-8	Endosulfan I	5.42	1.57	5.42	U
60-57-1	Dieldrin	5.42	1.52	5.42	U
72-55-9	4,4'-DDE (p,p')	5.42	1.45	5.42	U
72-20-8	Endrin	8.67	1.67	8.67	U
33213-65-9	Endosulfan II	8.67	1.61	8.67	U
72-54-8	4,4'-DDD (p,p')	8.67	1.55	8.67	U
1031-07-8	Endosulfan sulfate	8.67	1.71	8.67	U
50-29-3	4,4'-DDT (p,p')	8.67	1.59	8.67	U
72-43-5	Methoxychlor	8.67	1.67	8.67	U
53494-70-5	Endrin ketone	8.67	1.65	8.67	U
7421-93-4	Endrin aldehyde	8.67	1.51	8.67	U
5103-71-9	alpha-Chlordane	5.42	1.57	5.42	U
5566-34-7	gamma-Chlordane	5.42	1.42	5.42	U
8001-35-2	Toxaphene	108	47.1	108	U
57-74-9	Chlordane	21.7	20.1	21.7	U
15972-60-8	Alachlor	5.42	1.45	5.42	U

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	1986908P.D
Sampled:	04/01/16 20:00	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 17:09
% Solids:	79.94	Preparation:	SW846 3545A	Initial/Final:	20.4315 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.12	1.47	6.12	U
319-85-7	beta-BHC	6.12	1.74	6.12	U
319-86-8	delta-BHC	6.12	1.56	6.12	U
58-89-9	gamma-BHC (Lindane)	3.67	1.59	3.67	U
76-44-8	Heptachlor	6.12	1.61	6.12	U
309-00-2	Aldrin	6.12	1.66	6.12	U
1024-57-3	Heptachlor epoxide	6.12	1.69	6.12	U
959-98-8	Endosulfan I	6.12	1.77	6.12	U
60-57-1	Dieldrin	6.12	1.71	6.12	U
72-55-9	4,4'-DDE (p,p')	6.12	1.64	6.12	U
72-20-8	Endrin	9.80	1.89	9.80	U
33213-65-9	Endosulfan II	9.80	1.81	9.80	U
72-54-8	4,4'-DDD (p,p')	9.80	1.75	9.80	U
1031-07-8	Endosulfan sulfate	9.80	1.93	9.80	U
50-29-3	4,4'-DDT (p,p')	9.80	1.80	9.80	U
72-43-5	Methoxychlor	9.80	1.88	9.80	U
53494-70-5	Endrin ketone	9.80	1.87	9.80	U
7421-93-4	Endrin aldehyde	9.80	1.70	9.80	U
5103-71-9	alpha-Chlordane	6.12	1.77	6.12	U
5566-34-7	gamma-Chlordane	6.12	1.61	6.12	U
8001-35-2	Toxaphene	122	53.3	122	U
57-74-9	Chlordane	24.5	22.8	24.5	U
15972-60-8	Alachlor	6.12	1.64	6.12	U

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	1986910P.D
Sampled:	04/01/16 17:30	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 17:26
% Solids:	78.92	Preparation:	SW846 3545A	Initial/Final:	20.107 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.30	1.52	6.30	U
319-85-7	beta-BHC	6.30	1.79	6.30	U
319-86-8	delta-BHC	6.30	1.60	6.30	U
58-89-9	gamma-BHC (Lindane)	3.78	1.63	3.78	U
76-44-8	Heptachlor	6.30	1.65	6.30	U
309-00-2	Aldrin	6.30	1.71	6.30	U
1024-57-3	Heptachlor epoxide	6.30	1.74	6.30	U
959-98-8	Endosulfan I	6.30	1.82	6.30	U
60-57-1	Dieldrin	6.30	1.76	6.30	U
72-55-9	4,4'-DDE (p,p')	6.30	1.69	6.30	U
72-20-8	Endrin	10.1	1.95	10.1	U
33213-65-9	Endosulfan II	10.1	1.87	10.1	U
72-54-8	4,4'-DDD (p,p')	10.1	1.81	10.1	U
1031-07-8	Endosulfan sulfate	10.1	1.99	10.1	U
50-29-3	4,4'-DDT (p,p')	10.1	1.85	10.1	U
72-43-5	Methoxychlor	10.1	1.94	10.1	U
53494-70-5	Endrin ketone	10.1	1.92	10.1	U
7421-93-4	Endrin aldehyde	10.1	1.75	10.1	U
5103-71-9	alpha-Chlordane	6.30	1.82	6.30	U
5566-34-7	gamma-Chlordane	6.30	1.66	6.30	U
8001-35-2	Toxaphene	126	54.8	126	U
57-74-9	Chlordane	25.2	23.4	25.2	U
15972-60-8	Alachlor	6.30	1.68	6.30	U

lw-6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	1986914P.D
Sampled:	04/01/16 19:00	Prepared:	04/08/16 07:28	Analyzed:	04/12/16 17:44
% Solids:	98.39	Preparation:	SW846 3545A	Initial/Final:	20.1938 g / 10 ml
Batch:	1605836	Sequence:	S602910	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.03	1.21	5.03	U
319-85-7	beta-BHC	5.03	1.43	5.03	U
319-86-8	delta-BHC	5.03	1.28	5.03	U
58-89-9	gamma-BHC (Lindane)	3.02	1.31	3.02	U
76-44-8	Heptachlor	5.03	1.32	5.03	U
309-00-2	Aldrin	5.03	1.37	5.03	U
1024-57-3	Heptachlor epoxide	5.03	1.39	5.03	U
959-98-8	Endosulfan I	5.03	1.46	5.03	U
60-57-1	Dieldrin	5.03	1.41	5.03	U
72-55-9	4,4'-DDE (p,p')	5.03	1.35	5.03	U
72-20-8	Endrin	8.05	1.56	8.05	U
33213-65-9	Endosulfan II	8.05	1.49	8.05	U
72-54-8	4,4'-DDD (p,p')	8.05	1.44	8.05	U
1031-07-8	Endosulfan sulfate	8.05	1.59	8.05	U
50-29-3	4,4'-DDT (p,p')	8.05	1.48	8.05	U
72-43-5	Methoxychlor	8.05	1.55	8.05	U
53494-70-5	Endrin ketone	8.05	1.53	8.05	U
7421-93-4	Endrin aldehyde	8.05	1.40	8.05	U
5103-71-9	alpha-Chlordane	5.03	1.46	5.03	U
5566-34-7	gamma-Chlordane	5.03	1.32	5.03	U
8001-35-2	Toxaphene	101	43.8	101	U
57-74-9	Chlordane	20.1	18.7	20.1	U
15972-60-8	Alachlor	5.03	1.34	5.03	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	20160413-116
Sampled:	04/01/16 16:15	Prepared:	04/12/16 14:15		
% Solids:	78.19	Preparation:	SW846 3050B	Initial/Final:	1.0673 g / 50 ml
Batch:	1605817	Sequence:	S603275	Calibration:	1604032
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.99	1	0.485	5.99	U J
7439-92-1	Lead	4.90	1	0.554	1.80	J-
7439-95-4	Magnesium	16000	20	46.2	120	J
7439-96-5	Manganese	270	1	0.785	1.20	J
7440-02-0	Nickel	15.6	1	0.220	1.20	J-
7440-09-7	Potassium	2250	1	7.85	59.9	J
7782-49-2	Selenium	1.80	1	0.478	1.80	U
7440-23-5	Sodium	185	1	9.55	30.0	
7440-28-0	Thallium	3.59	1	0.810	3.59	U
7440-66-6	Zinc	891	20	22.0	24.0	
7429-90-5	Aluminum	5820	1	1.60	5.99	J
7440-38-2	Arsenic	2.61	1	0.473	1.80	
7440-39-3	Barium	16.3	1	0.156	1.20	J
7440-41-7	Beryllium	0.291	1	0.0309	0.599	J
7440-43-9	Cadmium	0.321	1	0.0316	0.627	J-
7440-70-2	Calcium	43500	20	248	599	
7440-47-3	Chromium	10.7	1	0.155	1.20	J
7440-48-4	Cobalt	4.98	1	0.0711	1.20	J
7440-50-8	Copper	16.0	1	0.222	1.20	J
7439-89-6	Iron	10400	1	1.73	4.79	J
7440-22-4	Silver	0.270	1	0.188	1.80	J
7440-62-2	Vanadium	11.8	1	0.254	1.80	

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	20160413-118
Sampled:	04/01/16 17:05	Prepared:	04/12/16 14:15		
% Solids:	82.79	Preparation:	SW846 3050B	Initial/Final:	1.099 g / 50 ml
Batch:	1605817	Sequence:	S603275	Calibration:	1604032
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.50	1	0.445	5.50	U
7439-92-1	Lead	4.34	1	0.508	1.65	
7439-95-4	Magnesium	19900	20	42.4	110	
7439-96-5	Manganese	316	1	0.720	1.10	
7440-02-0	Nickel	10.3	1	0.202	1.10	
7440-09-7	Potassium	2130	1	7.20	55.0	
7782-49-2	Selenium	1.65	1	0.439	1.65	U
7440-23-5	Sodium	288	1	8.76	27.5	
7440-28-0	Thallium	3.30	1	0.743	3.30	U
7440-66-6	Zinc	22.5	1	1.01	1.10	
7429-90-5	Aluminum	8520	1	1.47	5.50	
7440-38-2	Arsenic	2.41	1	0.434	1.65	
7440-39-3	Barium	64.0	1	0.143	1.10	
7440-41-7	Beryllium	0.403	1	0.0284	0.550	J
7440-43-9	Cadmium	0.562	1	0.0283	0.562	U
7440-70-2	Calcium	87100	20	227	550	
7440-47-3	Chromium	14.4	1	0.142	1.10	
7440-48-4	Cobalt	4.36	1	0.0652	1.10	
7440-50-8	Copper	12.2	1	0.203	1.10	
7439-89-6	Iron	10900	1	1.59	4.40	
7440-22-4	Silver	0.242	1	0.173	1.65	J
7440-62-2	Vanadium	20.1	1	0.233	1.65	

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	20160413-122
Sampled:	04/01/16 16:15	Prepared:	04/12/16 14:15		
% Solids:	77.30	Preparation:	SW846 3050B	Initial/Final:	1.0313 g / 50 ml
Batch:	1605817	Sequence:	S603275	Calibration:	1604032
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	6.27	1	0.508	6.27	UJ
7439-92-1	Lead	4.64	1	0.580	1.88	J
7439-95-4	Magnesium	14400	20	48.4	125	J
7439-96-5	Manganese	258	1	0.822	1.25	J
7440-02-0	Nickel	14.6	1	0.231	1.25	J
7440-09-7	Potassium	2240	1	8.22	62.7	J
7782-49-2	Selenium	1.88	1	0.500	1.88	U
7440-23-5	Sodium	189	1	9.99	31.4	
7440-28-0	Thallium	3.76	1	0.848	3.76	U
7440-66-6	Zinc	614	1	1.15	1.25	
7429-90-5	Aluminum	5490	1	1.68	6.27	J
7440-38-2	Arsenic	2.49	1	0.495	1.88	
7440-39-3	Barium	15.8	1	0.163	1.25	J
7440-41-7	Beryllium	0.274	1	0.0324	0.627	J
7440-43-9	Cadmium	0.304	1	0.0322	0.639	J-
7440-70-2	Calcium	39500	20	259	627	
7440-47-3	Chromium	8.87	1	0.162	1.25	J
7440-48-4	Cobalt	4.85	1	0.0744	1.25	J
7440-50-8	Copper	17.3	1	0.232	1.25	J
7439-89-6	Iron	10100	1	1.81	5.02	J
7440-22-4	Silver	0.307	1	0.197	1.88	J
7440-62-2	Vanadium	10.9	1	0.266	1.88	

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	20160413-124
Sampled:	04/01/16 15:30	Prepared:	04/12/16 14:15		
% Solids:	92.15	Preparation:	SW846 3050B	Initial/Final:	1.0107 g / 50 ml
Batch:	1605817	Sequence:	S603275	Calibration:	1604032
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.37	1	0.435	5.37	U
7439-92-1	Lead	4.01	1	0.496	1.61	
7439-95-4	Magnesium	11300	20	41.4	107	
7439-96-5	Manganese	199	1	0.703	1.07	
7440-02-0	Nickel	7.92	1	0.198	1.07	
7440-09-7	Potassium	945	1	7.03	53.7	
7782-49-2	Selenium	1.61	1	0.428	1.61	U
7440-23-5	Sodium	134	1	8.56	26.8	
7440-28-0	Thallium	3.22	1	0.726	3.22	U
7440-66-6	Zinc	21.6	1	0.983	1.07	
7429-90-5	Aluminum	4220	1	1.44	5.37	
7440-38-2	Arsenic	1.67	1	0.424	1.61	
7440-39-3	Barium	15.5	1	0.140	1.07	
7440-41-7	Beryllium	0.213	1	0.0277	0.537	J
7440-43-9	Cadmium	0.0583	1	0.0265	0.525	J
7440-70-2	Calcium	31500	20	222	537	
7440-47-3	Chromium	6.57	1	0.139	1.07	
7440-48-4	Cobalt	3.52	1	0.0637	1.07	
7440-50-8	Copper	9.78	1	0.199	1.07	
7439-89-6	Iron	6900	1	1.55	4.29	
7440-22-4	Silver	1.61	1	0.169	1.61	U
7440-62-2	Vanadium	10.2	1	0.228	1.61	

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	20160413-139
Sampled:	04/01/16 20:00	Prepared:	04/12/16 14:15		
% Solids:	79.94	Preparation:	SW846 3050B	Initial/Final:	1.0453 g / 50 ml
Batch:	1605817	Sequence:	S603275	Calibration:	1604032
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.98	1	0.485	5.98	U J
7439-92-1	Lead	5.24	1	0.553	1.80	J-
7439-95-4	Magnesium	12300	20	46.1	120	J
7439-96-5	Manganese	321	1	0.784	1.20	J
7440-02-0	Nickel	11.2	1	0.220	1.20	J-
7440-09-7	Potassium	1030	1	7.84	59.8	J
7782-49-2	Selenium	1.80	1	0.477	1.80	U
7440-23-5	Sodium	109	1	9.54	29.9	
7440-28-0	Thallium	3.59	1	0.809	3.59	U
7440-66-6	Zinc	29.3	1	1.10	1.20	
7429-90-5	Aluminum	5630	1	1.60	5.98	J
7440-38-2	Arsenic	2.97	1	0.473	1.80	
7440-39-3	Barium	28.2	1	0.156	1.20	J
7440-41-7	Beryllium	0.279	1	0.0309	0.598	J
7440-43-9	Cadmium	0.607	1	0.0306	0.607	U J
7440-70-2	Calcium	20100	1	12.4	29.9	
7440-47-3	Chromium	9.18	1	0.154	1.20	J
7440-48-4	Cobalt	4.91	1	0.0710	1.20	J
7440-50-8	Copper	12.3	1	0.221	1.20	J
7439-89-6	Iron	10100	1	1.73	4.79	J
7440-22-4	Silver	0.215	1	0.188	1.80	J
7440-62-2	Vanadium	11.0	1	0.254	1.80	

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	20160413-141
Sampled:	04/01/16 17:30	Prepared:	04/12/16 14:15		
% Solids:	78.92	Preparation:	SW846 3050B	Initial/Final:	1.0087 g / 50 ml
Batch:	1605817	Sequence:	S603275	Calibration:	1604032
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	6.28	1	0.509	6.28	U
7439-92-1	Lead	4.62	1	0.580	1.88	
7439-95-4	Magnesium	13300	20	48.4	126	
7439-96-5	Manganese	207	1	0.823	1.26	
7440-02-0	Nickel	9.19	1	0.231	1.26	
7440-09-7	Potassium	1250	1	8.23	62.8	
7782-49-2	Selenium	1.88	1	0.501	1.88	U
7440-23-5	Sodium	242	1	10.0	31.4	
7440-28-0	Thallium	3.77	1	0.849	3.77	U
7440-66-6	Zinc	24.9	1	1.15	1.26	
7429-90-5	Aluminum	4700	1	1.68	6.28	
7440-38-2	Arsenic	2.34	1	0.496	1.88	
7440-39-3	Barium	14.2	1	0.163	1.26	
7440-41-7	Beryllium	0.248	1	0.0324	0.628	J
7440-43-9	Cadmium	0.0380	1	0.0295	0.585	J
7440-70-2	Calcium	27300	1	13.0	31.4	
7440-47-3	Chromium	154	1	0.162	1.26	
7440-48-4	Cobalt	3.87	1	0.0745	1.26	
7440-50-8	Copper	10.4	1	0.232	1.26	
7439-89-6	Iron	9700	1	1.82	5.02	
7440-22-4	Silver	0.207	1	0.197	1.88	J
7440-62-2	Vanadium	10.4	1	0.266	1.88	

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	20160413-143
Sampled:	04/01/16 19:00	Prepared:	04/12/16 14:15		
% Solids:	98.39	Preparation:	SW846 3050B	Initial/Final:	1.0578 g / 50 ml
Batch:	1605817	Sequence:	S603275	Calibration:	1604032
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	4.80	1	0.389	4.80	U
7439-92-1	Lead	3.63	1	0.444	1.44	
7439-95-4	Magnesium	13100	20	37.0	96.1	
7439-96-5	Manganese	269	1	0.629	0.961	
7440-02-0	Nickel	7.03	1	0.177	0.961	
7440-09-7	Potassium	1350	1	6.29	48.0	
7782-49-2	Selenium	1.44	1	0.383	1.44	U
7440-23-5	Sodium	156	1	7.66	24.0	
7440-28-0	Thallium	2.88	1	0.650	2.88	U
7440-66-6	Zinc	15.1	1	0.880	0.961	
7429-90-5	Aluminum	4450	1	1.29	4.80	
7440-38-2	Arsenic	2.96	1	0.380	1.44	
7440-39-3	Barium	24.5	1	0.125	0.961	
7440-41-7	Beryllium	0.232	1	0.0248	0.480	J
7440-43-9	Cadmium	0.502	1	0.0253	0.502	U
7440-70-2	Calcium	65300	20	199	480	
7440-47-3	Chromium	7.25	1	0.124	0.961	
7440-48-4	Cobalt	3.51	1	0.0570	0.961	
7440-50-8	Copper	21.9	1	0.178	0.961	
7439-89-6	Iron	7720	1	1.39	3.84	
7440-22-4	Silver	0.192	1	0.151	1.44	J
7440-62-2	Vanadium	10.7	1	0.204	1.44	

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	041316-070
Sampled:	04/01/16 16:15	Prepared:	04/12/16 14:15		
% Solids:	78.19	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6186 g / 29.9 ml
Batch:	1605818	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0118	1	0.0117	0.0372	J

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	041316-071
Sampled:	04/01/16 17:05	Prepared:	04/12/16 14:15		
% Solids:	82.79	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.664 g / 29.9 ml
Batch:	1605818	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0327	1	0.0103	0.0327	U

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	041316-072
Sampled:	04/01/16 16:15	Prepared:	04/12/16 14:15		
% Solids:	77.30	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6466 g / 29.9 ml
Batch:	1605818	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0160	1	0.0113	0.0360	J

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	041316-073
Sampled:	04/01/16 15:30	Prepared:	04/12/16 14:15		
% Solids:	92.15	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.64 g / 29.9 ml
Batch:	1605818	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0305	1	0.0096	0.0305	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	041316-080
Sampled:	04/01/16 20:00	Prepared:	04/12/16 14:15		
% Solids:	79.94	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6076 g / 29.9 ml
Batch:	1605818	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0371	1	0.0116	0.0371	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	041316-081
Sampled:	04/01/16 17:30	Prepared:	04/12/16 14:15		
% Solids:	78.92	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6186 g / 29.9 ml
Batch:	1605818	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0369	1	0.0116	0.0369	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	041316-082
Sampled:	04/01/16 19:00	Prepared:	04/12/16 14:15		
% Solids:	98.39	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.624 g / 29.9 ml
Batch:	1605818	Sequence:	S602992	Calibration:	1604010
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0293	1	0.0092	0.0293	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	040816C1-029
Sampled:	04/01/16 16:15	Prepared:	04/08/16 10:50	Analyzed:	04/08/16 18:22
% Solids:	78.19	Preparation:	General Preparation	Initial/Final:	0.521 g / 50 ml
Batch:	1605864	Sequence:	S602891	Calibration:	1604008
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.614	1	0.415	0.614	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	040816C1-030
Sampled:	04/01/16 17:05	Prepared:	04/08/16 10:50	Analyzed:	04/08/16 18:23
% Solids:	82.79	Preparation:	General Preparation	Initial/Final:	0.5434 g / 50 ml
Batch:	1605864	Sequence:	S602891	Calibration:	1604008
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.556	1	0.376	0.556	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	040816C1-031
Sampled:	04/01/16 16:15	Prepared:	04/08/16 10:50	Analyzed:	04/08/16 18:23
% Solids:	77.30	Preparation:	General Preparation	Initial/Final:	0.5476 g / 50 ml
Batch:	1605864	Sequence:	S602891	Calibration:	1604008
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.591	1	0.399	0.591	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	040816C1-032
Sampled:	04/01/16 15:30	Prepared:	04/08/16 10:50	Analyzed:	04/08/16 18:24
% Solids:	92.15	Preparation:	General Preparation	Initial/Final:	0.5153 g / 50 ml
Batch:	1605864	Sequence:	S602891	Calibration:	1604008
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.526	1	0.356	0.526	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	041116C1-019
Sampled:	04/01/16 20:00	Prepared:	04/11/16 12:43	Analyzed:	04/11/16 17:44
% Solids:	79.94	Preparation:	General Preparation	Initial/Final:	0.5202 g / 50 ml
Batch:	1605969	Sequence:	S602951	Calibration:	1604011
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.601	1	0.406	0.601	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	041116C1-020
Sampled:	04/01/16 17:30	Prepared:	04/11/16 12:43	Analyzed:	04/11/16 17:44
% Solids:	78.92	Preparation:	General Preparation	Initial/Final:	0.542 g / 50 ml
Batch:	1605969	Sequence:	S602951	Calibration:	1604011
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.584	1	0.395	0.584	U

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	041116C1-021
Sampled:	04/01/16 19:00	Prepared:	04/11/16 12:43	Analyzed:	04/11/16 17:45
% Solids:	98.39	Preparation:	General Preparation	Initial/Final:	0.5193 g / 50 ml
Batch:	1605969	Sequence:	S602951	Calibration:	1604011
Instrument:	Lachat1				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.489	1	0.331	0.489	U

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FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

036-DUP3 (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-01	File ID:	
Sampled:	04/01/16 16:15	Prepared:	04/08/16 13:32	Analyzed:	04/08/16 14:51
% Solids:	78.19	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605881	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	78.2	1			

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

037-TBAA (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-03	File ID:	
Sampled:	04/01/16 17:05	Prepared:	04/08/16 13:32	Analyzed:	04/08/16 14:51
% Solids:	82.79	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605881	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.8	1			

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

038-TB-BB (9-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-05	File ID:	
Sampled:	04/01/16 16:15	Prepared:	04/08/16 13:32	Analyzed:	04/08/16 14:51
% Solids:	77.30	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605881	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	77.3	1			

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

039-TB-CC (9-11.4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-07	File ID:	
Sampled:	04/01/16 15:30	Prepared:	04/11/16 12:56	Analyzed:	04/11/16 15:02
% Solids:	92.15	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605970	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	92.2	1			

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

040-TB-DD (5-7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-08	File ID:	
Sampled:	04/01/16 20:00	Prepared:	04/11/16 12:56	Analyzed:	04/11/16 15:02
% Solids:	79.94	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605970	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	79.9	1			

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

041-TB-S (6.5-7.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-10	File ID:	
Sampled:	04/01/16 17:30	Prepared:	04/11/16 12:56	Analyzed:	04/11/16 15:02
% Solids:	78.92	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605970	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	78.9	1			

lw-6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

042-TB-Q (10-11)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	19869
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/04/16 14:57
Matrix:	Soil	Laboratory ID:	SC19869-14	File ID:	
Sampled:	04/01/16 19:00	Prepared:	04/11/16 12:56	Analyzed:	04/11/16 15:02
% Solids:	98.39	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1605970	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	98.4	1			

lw-6/12/16

ATTACHMENT B

CASE NARRATIVE & COC

CROSS REFERENCE TABLE

SW846 8260C

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	19869
Client:	Day Environmental, Inc.	Project:	McAlpin - Rochester, NY
Project Number:	5211S-16		

Client Sample ID:	Lab Sample ID:
036-DUP3 (9-11)	SC19869-01
036-DUP3 (9-11)	SC19869-01RE1
037-TBAA (10-11)	SC19869-03
037-TBAA (10-11)	SC19869-03RE1
037-TBAA (10-11)	SC19869-03RE2
038-TB-BB (9-11)	SC19869-05
038-TB-BB (9-11)	SC19869-05RE1
039-TB-CC (9-11.4)	SC19869-07
039-TB-CC (9-11.4)	SC19869-07RE1
040-TB-DD (5-7)	SC19869-08
041-TB-S (6.5-7.5)	SC19869-10
041-TB-S (6.5-7.5)	SC19869-10RE1
042-TB-Q (10-11)	SC19869-14

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19869

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19869

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8260C, SW846 8260C.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 5035A Soil (high level).

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

Soil/Sediment samples were prepared according to SW846 5035A Soil (low level).

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8260C, SW846 8260C:

HPV3 details: GC/MS Tekmar ALS 2016 and ALS 2032 purge and trap autosamplers
Tekmar 3100 sample concentrator Supelco vocarb 3000 (K) trap and
conditions used Agilent 7890A series gas chromatograph
Agilent 5975C Mass Selective Detector Column – DB-VRX,
20 meters, 0.18mm diameter 1.0um film

HPV9 details: GC/MS EST Model 8100 autosampler EST Encon sample concentrator
Supelco vocarb 3000 (K) trap and conditions used Agilent 6890N series
gas chromatograph Agilent 5975 Mass Selective Detector
Column – DB-VRX, 20 meters, 0.18mm diameter 1.0um film

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1603012:

The following analytes, Acetone and 2-Butanone (MEK), are flagged on Form VI – Initial Calibration Data, for ICAL 1603012/V3031016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 2-Butanone (MEK)

This affected the following samples:

S602008-ICV1

In calibration 1604002:

The following analytes, Acetone, 2-Butanone (MEK), 1,2-Dibromo-3-Chloropropane, 2-Hexanone (MBK) and 4-Methyl-2-Pentanone (MIBK) are flagged on Form VI – Initial Calibration Data, for ICAL 1604002/S9033016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromoform, Carbon disulfide, cis-1,3-Dichloropropene, Dibromochloromethane, Naphthalene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene

This affected the following samples:

1605840-MSD1, 037-TBAA (10-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 040-TB-DD (5-7), 041-TB-S (6.5-7.5), 042-TB-Q (10-11), 1605840-BLK1, 1605840-BS1, 036-DUP3 (9-11), 1605840-MS1, S602920-CCV1, 1605954-BLK1, 1605954-BS1, 1605954-BSD1, 1606023-BLK1, 1606023-BS1, 1606023-BSD1, S602674-ICV1, S602821-CCV1, S602874-CCV1, 1605840-BSD1

In sample S602674-ICV1:

Analyte percent recovery is outside individual acceptance criteria (80-120).

2-Chlorotoluene (123%)

This affected the following samples:

036-DUP3 (9-11), 037-TBAA (10-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 040-TB-DD (5-7), 041-TB-S (6.5-7.5), 042-TB-Q (10-11), 1605840-BLK1, 1605840-BS1, 1605840-BSD1, 1605840-MS1, 1605840-MSD1, 1605954-BLK1, 1605954-BS1, 1605954-BSD1, 1606023-BLK1, 1606023-BS1, 1606023-BSD1, S602821-CCV1, S602874-CCV1, S602920-CCV1

In sample S602821-CCV1:

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Naphthalene (-23.1%)

This affected the following samples:

036-DUP3 (9-11), 037-TBAA (10-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 040-TB-DD (5-7), 041-TB-S (6.5-7.5), 1605840-BLK1, 1605840-BS1, 1605840-BSD1, 1605840-MS1, 1605840-MSD1

In sample S602856-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (27.2%)
1,2-Dibromo-3-chloropropane (-27.6%)
Methylcyclohexane (23.1%)
Tetrachloroethene (25.8%)
Tetrahydrofuran (-21.8%)
Trichlorofluoromethane (Freon 11) (21.6%)

This affected the following samples:

036-DUP3 (9-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 041-TB-S (6.5-7.5), 1605932-BLK1, 1605932-BS1, 1605932-BSD1, 1605932-MS1, 1605932-MSD1

In sample S602874-CCV1:

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2-Hexanone (MBK) (-20.3%)
Naphthalene (-33.2%)

This affected the following samples:

042-TB-Q (10-11), 1605954-BLK1, 1605954-BS1, 1605954-BSD1

In sample S602895-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-30.7%)
2-Hexanone (MBK) (-20.2%)
Tert-Butanol / butyl alcohol (-21.7%)
Tetrahydrofuran (-22.2%)
trans-1,4-Dichloro-2-butene (-22.9%)

This affected the following samples:

037-TBAA (10-11), 1605956-BLK1, 1605956-BS1, 1605956-BSD1

In sample S602920-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Butanone (MEK) (-25.5%)
Vinyl chloride (21.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2-Hexanone (MBK) (-23.1%)
Naphthalene (-27.3%)

This affected the following samples:

037-TBAA (10-11), 1606023-BLK1, 1606023-BS1, 1606023-BSD1

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1605840, sample 1605840-BLK1: None found

Tentatively Identified Compounds in batch 1605932, sample 1605932-BLK1: None found

Tentatively Identified Compounds in batch 1605954, sample 1605954-BLK1: None found

Tentatively Identified Compounds in batch 1605956, sample 1605956-BLK1: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

<u>In batch 1605956 BS/BSD:</u>

Acetone percent recoveries (66/60) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

037-TBAA (10-11)

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605840 from source sample 039-TB-CC (9-11.4) (SC19869-07).

In batch 1605840 from source sample 039-TB-CC (9-11.4) (SC19869-07).

In batch 1605932 from source sample 039-TB-CC (9-11.4) (SC19869-07RE1).

In batch 1605932 from source sample 039-TB-CC (9-11.4) (SC19869-07RE1).

All method criteria were met with the following exceptions:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,3,5-Trichlorobenzene, 1,4-Dichlorobenzene, 1,4-Dioxane, 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Acetone, cis-1,2-Dichloroethene, Ethanol, Ethyl tert-butyl ether, Hexachlorobutadiene, Methyl acetate, Methyl tert-butyl ether, Tert-Butanol / butyl alcohol, Tetrahydrofuran, Trichloroethene in batch 1605840, lab sample 1605840-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Trichloroethene in batch 1605840, lab sample 1605840-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

1,4-Dioxane, Ethanol in batch 1605840, lab sample 1605840-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): RPD out of acceptance range.

1,4-Dichlorobenzene, 1,4-Dioxane, 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Acetone, cis-1,2-Dichloroethene, Ethanol, Hexachlorobutadiene, Tert-Butanol / butyl alcohol, Tetrahydrofuran, Trichloroethene in batch 1605840, lab sample 1605840-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Trichloroethene in batch 1605840, lab sample 1605840-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

1,2-Dibromo-3-chloropropane, Acetone, Bromoform, Dibromochloromethane, Tert-Butanol / butyl alcohol, Tetrahydrofuran, trans-1,4-Dichloro-2-butene in batch 1605932, lab sample 1605932-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07RE1): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2-Dibromo-3-chloropropane in batch 1605932, lab sample 1605932-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07RE1): RPD out of acceptance range.

1,2-Dibromo-3-chloropropane, Acetone, Tetrachloroethene in batch 1605932, lab sample 1605932-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07RE1): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

cis-1,2-Dichloroethene, Trichloroethene, Vinyl chloride in batch 1605840, samples 036-DUP3 (9-11) (SC19869-01), 037-TBAA (10-11) (SC19869-03), 038-TB-BB (9-11) (SC19869-05), 039-TB-CC (9-11.4) (SC19869-07), 041-TB-S (6.5-7.5) (SC19869-10): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

In batch 1605932, samples 036-DUP3 (9-11) (SC19869-01RE1), 038-TB-BB (9-11) (SC19869-05RE1), 039-TB-CC (9-11.4) (SC19869-07RE1), 041-TB-S (6.5-7.5) (SC19869-10RE1): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19869

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19869

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8260C, SW846 8260C.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 5035A Soil (high level).

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

Soil/Sediment samples were prepared according to SW846 5035A Soil (low level).

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8260C, SW846 8260C:

HPV3 details: GC/MS Tekmar ALS 2016 and ALS 2032 purge and trap autosamplers
Tekmar 3100 sample concentrator Supelco vocarb 3000 (K) trap and
conditions used Agilent 7890A series gas chromatograph
Agilent 5975C Mass Selective Detector Column – DB-VRX,
20 meters, 0.18mm diameter 1.0um film

HPV9 details: GC/MS EST Model 8100 autosampler EST Encon sample concentrator
Supelco vocarb 3000 (K) trap and conditions used Agilent 6890N series
gas chromatograph Agilent 5975 Mass Selective Detector
Column – DB-VRX, 20 meters, 0.18mm diameter 1.0um film

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1603012:

The following analytes, Acetone and 2-Butanone (MEK), are flagged on Form VI – Initial Calibration Data, for ICAL 1603012/V3031016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 2-Butanone (MEK)

This affected the following samples:

S602008-ICV1

In calibration 1604002:

The following analytes, Acetone, 2-Butanone (MEK), 1,2-Dibromo-3-Chloropropane, 2-Hexanone (MBK) and 4-Methyl-2-Pentanone (MIBK) are flagged on Form VI – Initial Calibration Data, for ICAL 1604002/S9033016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromoform, Carbon disulfide, cis-1,3-Dichloropropene, Dibromochloromethane, Naphthalene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene

This affected the following samples:

1605840-MSD1, 037-TBAA (10-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 040-TB-DD (5-7), 041-TB-S (6.5-7.5), 042-TB-Q (10-11), 1605840-BLK1, 1605840-BS1, 036-DUP3 (9-11), 1605840-MS1, S602920-CCV1, 1605954-BLK1, 1605954-BS1, 1605954-BSD1, 1606023-BLK1, 1606023-BS1, 1606023-BSD1, S602674-ICV1, S602821-CCV1, S602874-CCV1, 1605840-BSD1

In sample S602674-ICV1:

Analyte percent recovery is outside individual acceptance criteria (80-120).

2-Chlorotoluene (123%)

This affected the following samples:

036-DUP3 (9-11), 037-TBAA (10-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 040-TB-DD (5-7), 041-TB-S (6.5-7.5), 042-TB-Q (10-11), 1605840-BLK1, 1605840-BS1, 1605840-BSD1, 1605840-MS1, 1605840-MSD1, 1605954-BLK1, 1605954-BS1, 1605954-BSD1, 1606023-BLK1, 1606023-BS1, 1606023-BSD1, S602821-CCV1, S602874-CCV1, S602920-CCV1

In sample S602821-CCV1:

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Naphthalene (-23.1%)

This affected the following samples:

036-DUP3 (9-11), 037-TBAA (10-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 040-TB-DD (5-7), 041-TB-S (6.5-7.5), 1605840-BLK1, 1605840-BS1, 1605840-BSD1, 1605840-MS1, 1605840-MSD1

In sample S602856-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (27.2%)
1,2-Dibromo-3-chloropropane (-27.6%)
Methylcyclohexane (23.1%)
Tetrachloroethene (25.8%)
Tetrahydrofuran (-21.8%)
Trichlorofluoromethane (Freon 11) (21.6%)

This affected the following samples:

036-DUP3 (9-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 041-TB-S (6.5-7.5), 1605932-BLK1, 1605932-BS1, 1605932-BSD1, 1605932-MS1, 1605932-MSD1

In sample S602874-CCV1:

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2-Hexanone (MBK) (-20.3%)
Naphthalene (-33.2%)

This affected the following samples:

042-TB-Q (10-11), 1605954-BLK1, 1605954-BS1, 1605954-BSD1

In sample S602895-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-30.7%)
2-Hexanone (MBK) (-20.2%)
Tert-Butanol / butyl alcohol (-21.7%)
Tetrahydrofuran (-22.2%)
trans-1,4-Dichloro-2-butene (-22.9%)

This affected the following samples:

037-TBAA (10-11), 1605956-BLK1, 1605956-BS1, 1605956-BSD1

In sample S602920-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Butanone (MEK) (-25.5%)
Vinyl chloride (21.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2-Hexanone (MBK) (-23.1%)
Naphthalene (-27.3%)

This affected the following samples:

037-TBAA (10-11), 1606023-BLK1, 1606023-BS1, 1606023-BSD1

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1605840, sample 1605840-BLK1: None found

Tentatively Identified Compounds in batch 1605932, sample 1605932-BLK1: None found

Tentatively Identified Compounds in batch 1605954, sample 1605954-BLK1: None found

Tentatively Identified Compounds in batch 1605956, sample 1605956-BLK1: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

<u>In batch 1605956 BS/BSD:</u>

Acetone percent recoveries (66/60) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

037-TBAA (10-11)

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605840 from source sample 039-TB-CC (9-11.4) (SC19869-07).

In batch 1605840 from source sample 039-TB-CC (9-11.4) (SC19869-07).

In batch 1605932 from source sample 039-TB-CC (9-11.4) (SC19869-07RE1).

In batch 1605932 from source sample 039-TB-CC (9-11.4) (SC19869-07RE1).

All method criteria were met with the following exceptions:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,3,5-Trichlorobenzene, 1,4-Dichlorobenzene, 1,4-Dioxane, 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Acetone, cis-1,2-Dichloroethene, Ethanol, Ethyl tert-butyl ether, Hexachlorobutadiene, Methyl acetate, Methyl tert-butyl ether, Tert-Butanol / butyl alcohol, Tetrahydrofuran, Trichloroethene in batch 1605840, lab sample 1605840-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Trichloroethene in batch 1605840, lab sample 1605840-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

1,4-Dioxane, Ethanol in batch 1605840, lab sample 1605840-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): RPD out of acceptance range.

1,4-Dichlorobenzene, 1,4-Dioxane, 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Acetone, cis-1,2-Dichloroethene, Ethanol, Hexachlorobutadiene, Tert-Butanol / butyl alcohol, Tetrahydrofuran, Trichloroethene in batch 1605840, lab sample 1605840-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Trichloroethene in batch 1605840, lab sample 1605840-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

1,2-Dibromo-3-chloropropane, Acetone, Bromoform, Dibromochloromethane, Tert-Butanol / butyl alcohol, Tetrahydrofuran, trans-1,4-Dichloro-2-butene in batch 1605932, lab sample 1605932-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07RE1): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2-Dibromo-3-chloropropane in batch 1605932, lab sample 1605932-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07RE1): RPD out of acceptance range.

1,2-Dibromo-3-chloropropane, Acetone, Tetrachloroethene in batch 1605932, lab sample 1605932-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07RE1): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

cis-1,2-Dichloroethene, Trichloroethene, Vinyl chloride in batch 1605840, samples 036-DUP3 (9-11) (SC19869-01), 037-TBAA (10-11) (SC19869-03), 038-TB-BB (9-11) (SC19869-05), 039-TB-CC (9-11.4) (SC19869-07), 041-TB-S (6.5-7.5) (SC19869-10): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

In batch 1605932, samples 036-DUP3 (9-11) (SC19869-01RE1), 038-TB-BB (9-11) (SC19869-05RE1), 039-TB-CC (9-11.4) (SC19869-07RE1), 041-TB-S (6.5-7.5) (SC19869-10RE1): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19869

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19869

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8270D, SW846 8270D.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8270D, SW846 8270D:

HPS5 details: Agilent 6890 with 5973 MS: Agilent HP-5MS (30M, 0.25mm, 0.25um)

HPS8 details: Agilent 6890 with 5973 MS: Agilent HP-5MS (30M, 0.25mm, 0.25um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1602028:

The following analytes, Benzidine & Benzaldehyde, are flagged on Form VI – Initial Calibration Data, for ICAL 1602028/SV80211R.M, due to a rounding discrepancy. Please refer to the raw data for further verification.

Analyte quantified by quadratic type calibration: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Benzidine, Benzoic acid

This affected the following samples:

S601180-ICV1

In calibration 1602029:

Analyte quantified by quadratic type calibration: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitrophenol, Benzidine, Benzoic acid

This affected the following samples:

S601170-ICV1

In sample S602960-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Benzyl alcohol (-29.0%)
N-Nitrosodimethylamine (-23.0%)
Pentachlorophenol (-23.6%)
Pyridine (-63.2%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (79.4%)
Benzoic acid (-27.2%)

This affected the following samples:

036-DUP3 (9-11), 037-TBAA (10-11), 039-TB-CC (9-11.4), 1605941-BLK2, 1605941-BS2, 1605941-BSD2, 1605941-MS1, 1605941-MSD1

In sample S603011-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

3-Nitroaniline (22.3%)
Benzyl alcohol (-27.0%)
Pyridine (-38.1%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (28.5%)
Benzoic acid (-28.1%)

This affected the following samples:

038-TB-BB (9-11), 040-TB-DD (5-7)

In sample S603047-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Indeno (1,2,3-cd) pyrene (20.2%)
Pentachlorophenol (-45.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (27.3%)
Benzoic acid (-25.8%)

This affected the following samples:

041-TB-S (6.5-7.5), 042-TB-Q (10-11)

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1605941, sample 1605941-BLK2: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

Benzyl alcohol in batch 1605941, samples 1605941-BS2, 1605941-BSD2: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Benzyl alcohol in batch 1605941, sample 1605941-BSD2: RPD out of acceptance range.

Benzidine in batch 1605941, sample 1605941-BSD2: RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

<u>In batch 1605941 BS:</u>

Benzyl alcohol percent recovery 34 (40-140) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

036-DUP3 (9-11), 037-TBAA (10-11), 038-TB-BB (9-11), 039-TB-CC (9-11.4), 040-TB-DD (5-7), 041-TB-S (6.5-7.5), 042-TB-Q (10-11)

<u>In batch 1605941 BSD:</u>

Benzidine RPD 35% (30%) is outside individual acceptance criteria.

Benzyl alcohol RPD 40% (30%) is outside individual acceptance criteria.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605941 from source sample 039-TB-CC (9-11.4) (SC19869-07).

In batch 1605941 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met with the following exceptions:

Benzyl alcohol in batch 1605941, lab sample 1605941-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4-Dinitrophenol, Aniline, Benzoic acid, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Dimethyl phthalate, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Pyridine in batch 1605941, lab sample 1605941-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Benzyl alcohol in batch 1605941, lab sample 1605941-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Benzidine, Dimethyl phthalate, Hexachlorocyclopentadiene, N-Nitrosodimethylamine, Pyridine in batch 1605941, lab sample 1605941-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

1,2,4,5-Tetrachlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,4-Dinitrophenol, 2-Methylnaphthalene, Aniline, Benzoic acid, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Naphthalene, Nitrobenzene, N-Nitrosodimethylamine, N-Nitrosodi-n-propylamine, Pyridine in batch 1605941, lab sample 1605941-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19869

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19869

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8082A.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8082A:

HPS11 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) and DB-5MS column ((30m, 0.53mmID 1.50 df)

HPS12 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) & RTX-CLPesticides2 Column (30m, 0.53mmID, 0.42um df)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605793 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

CROSS REFERENCE TABLE

SW846 8081B

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA	SDG:	19869
Client:	Day Environmental, Inc.	Project:	McAlpin - Rochester, NY
Project Number:	5211S-16		

Client Sample ID:	Lab Sample ID:
036-DUP3 (9-11)	SC19869-01
037-TBAA (10-11)	SC19869-03
038-TB-BB (9-11)	SC19869-05
039-TB-CC (9-11.4)	SC19869-07
040-TB-DD (5-7)	SC19869-08
041-TB-S (6.5-7.5)	SC19869-10
042-TB-Q (10-11)	SC19869-14

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19869

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19869

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8081B.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8081B:

HPS14 details: Agilent 6890 RTX-CLPesticides 2 column (30m, 0.53mmID, 0.42um)
RTX-CLP confirmation column (30m, 0.53mmID, 0.5um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605836 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met with the following exceptions:

gamma-Chlordane in batch 1605836, lab sample 1605836-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

gamma-Chlordane in batch 1605836, lab sample 1605836-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19869

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19869

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 6010C.

IV. PREPARATION

Soil/Sediment samples were prepared according to SW846 3050B.

Soil/Sediment samples were prepared according to SW846 3051A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 6010C:

ICAP details: Thermo ICAP 6000 series CETAC Autosampler

ICAP4 details: Thermo ICAP 6000 series CETAC Autosampler

All sample data within this SDG was generated after ICP-AES interelement corrections and background corrections were applied.

Samples are diluted when concentrations exceed the highest calibration standard in the associated curve, therefore Linear Ranges are not performed.

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In sample S603275-ICV1:

ICV1 rerun as ICV2, which passed within method criteria.

Vanadium

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605817 from source sample 039-TB-CC (9-11.4) (SC19869-07).

In batch 1606257 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met with the following exceptions:

Aluminum, Calcium, Iron, Magnesium in batch 1605817, lab sample 1605817-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Antimony, Potassium in batch 1605817, lab sample 1605817-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Lead, Nickel in batch 1605817, lab sample 1605817-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aluminum, Iron, Magnesium in batch 1605817, lab sample 1605817-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Antimony, Potassium in batch 1605817, lab sample 1605817-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Cobalt, Lead, Manganese, Nickel, Zinc in batch 1605817, lab sample 1605817-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Cadmium in batch 1606257, lab sample 1606257-MS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Cadmium in batch 1606257, lab sample 1606257-MSD1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1605817 from source sample 039-TB-CC (9-11.4) (SC19869-07).

In batch 1606257 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met with the following exceptions:

Aluminum, Calcium, Iron, Magnesium in batch 1605817, lab sample 1605817-PS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Cobalt, Lead, Manganese, Nickel, Silver, Vanadium, Zinc in batch 1605817, lab sample 1605817-PS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Cadmium in batch 1606257, lab sample 1606257-PS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

4. Reference:

All method criteria were met with the following exceptions:

Cobalt in batch 1605817: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

D. Duplicates:

A duplicate was analyzed.

In batch 1605817 from source sample 039-TB-CC (9-11.4) (SC19869-07).

In batch 1606257 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met with the following exceptions:

Calcium, Magnesium in batch 1605817, sample 1605817-DUP1 from source sample 039-TB-CC (9-11.4) (SC19869-07): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Arsenic, Magnesium in batch 1605817, sample 1605817-DUP1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

E. Serial Dilutions:

In batch S603275, lab sample S603275-SRD2 from source sample 036-DUP3 (9-11) (SC19869-01): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Aluminum (24%), Barium (18%), Chromium (22%), Cobalt (25%), Copper (14%), Iron (22%), Manganese (24%), Nickel (25%), Potassium (16%)

F. Samples:

All method criteria were met with the following exceptions:

Calcium, Magnesium in batch 1605817, samples 036-DUP3 (9-11) (SC19869-01), 037-TBAA (10-11) (SC19869-03), 038-TB-BB (9-11) (SC19869-05), 039-TB-CC (9-11.4) (SC19869-07), 040-TB-DD (5-7) (SC19869-08), 041-TB-S (6.5-7.5) (SC19869-10), 042-TB-Q (10-11) (SC19869-14): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19869

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19869

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 7471B.

IV. PREPARATION

Soil/Sediment samples were prepared according to EPA200/SW7000 Series.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 7471B:

Mercury4 details: Leeman Labs Hydra IIAA Mercury Analyzer

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In sample S602992-CRL1:

CRL1 was run from an empty cup. It was repoured and rerun as CRL2, which passed within method limits.

Mercury

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605818 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1605818 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met with the following exceptions:

Mercury in batch 1605818, lab sample 1605818-PS1 from source sample 039-TB-CC (9-11.4) (SC19869-07): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

4. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1605818 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met.

E. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC19869

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 19869

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 9012B.

IV. PREPARATION

Soil/Sediment samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 9012B:

Lachat1 details: Lachat Quikchem 8000

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1605864 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1605864 from source sample 039-TB-CC (9-11.4) (SC19869-07).

All method criteria were met.

E. Samples:

All method criteria were met.

SC19869 Bm

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CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☑ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Avenue
Rochester, NY, 14606

Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME

P.O No.: _____ Quote #: _____

Project No: 5211S-16
Site Name: McAlpin
Location: 50 Balfour Dr., Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		TCL VOCs & TICs 8260	TCL SVOCs & TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082			Check if chlorinated	QA/QC Reporting Notes: * additional charges may appply
						Containers					Analysis									
						List Preservative Code below:					7									
SC19869-01	036-DUP3 (9-11)	4/1/2016	4:15 PM	G	SO	3	2				x	x	x	x	x	x			☐	low level VOCs frozen 4/1/2016, 21:
02	TB-AA (4-5)	4/1/2016	5:00 PM	G	SO	3	1												☐	Hold, low level VOCs frozen 4/1/2016, 21
03	037-TB-AA (10-11)	4/1/2016	5:05 PM	G	SO	3	1				x	x	x	x	x	x			☐	low level VOCs frozen 4/1/2016, 21:
04	TB-BB (7-8)	4/1/2016	4:30 PM	G	SO	3	2												☐	Hold, low level VOCs frozen 4/1/2016, 21
05	038-TB-BB (9-11)	4/1/2016	4:15 PM	G	SO	3	2				x	x	x	x	x	x			☐	low level VOCs frozen 4/1/2016, 21:
06	TB-CC (3-4)	4/1/2016	3:45 PM	G	SO	3	2												☐	hold, low level VOCs frozen 4/1/2016, 21
07	039-TB-CC (9-11.4)	4/1/2016	3:30 PM	G	SO	6	4				x	x	x	x	x	x			☐	low level VOCs frozen 4/1/2016, 21:21 MS/M
08	040-TB-DD (5-7)	4/1/2016	8:00 PM	G	SO	3	1				x	x	x	x	x	x			☐	low level VOCs frozen 4/1/2016, 21:
09	TB-DD (10-11)	4/1/2016	8:05 PM	G	SO	3	1												☐	low level VOCs frozen 4/1/2016, 21:
10	041-TB-S (6.5-7.5)	4/1/2016	5:30 PM	G	SO	3	1				x	x	x	x	x	x			☐	low level VOCs frozen 4/1/2016, 21:

MA DEP MCP CAM Report? ☐ Yes ☐
CT DPH RCP Report? ☐ Yes ☐
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Client	Crystal (CSM)	4/4/16	14:57	Observed 0.5
Crystal (CSM)	JUN	4/5/16	~~15:30~~ 4/7	Correction Factor 0
				Corrected 0.5
				IR ID # 21

☑ EDD format: NYSDEC Equis
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Fro

Sample shipping address: 11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • www.EurofinsUS.com/Spectrum

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SC19869 Day

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CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

☑ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Avenue
Rochester, NY, 14606
Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME
P.O No.: _____ Quote #: _____

Project No: 5211S-16
Site Name: McAlpin
Location: 50 Balfour Dr., Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs & TICs 8260	TCL SVOCs & TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	Check if chlorinated	
SC19869-11	TB-S (10.5-11.5)	4/1/2016	6:00 PM	G	SO	3	1									☐	hold, low level VOCs frozen 4/1/2016, 21:15
12	TB-Q (2-3)	4/1/2016	6:45 PM	G	SO	3	1									☐	hold, low level VOCs frozen 4/1/2016, 21:16
13	TB-Q (5-6)	4/1/2016	7:05 PM	G	SO		1									☐	hold, low level VOCs frozen 4/1/2016, 21:17
14	042-TB-Q (10-11)	4/1/2016	7:00 PM	G	SO	3	1			x	x	x	x	x	x	☐	low level VOCs frozen 4/1/2016, 21:15
15	TB-S (9-10)	4/1/16	18:05	G	SO		1									☐	sample added and held per Heather M. 4/7
																☐	
																☐	
																☐	
																☐	
																☐	

List Preservative Code below: 7

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐
CT DPH RCP Report? ☐ Yes ☐
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
Client	Crystal (CM)	4/4/16	14:57
Crystal (CM)	JLH	4/5/16	15:32

Temp °C: Observed 0.5; Correction Factor 0; Corrected 0.5; IR ID # 01

☑ EDD format: NYSDEC Equis
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☑ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Sample shipping address: 11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • www.EurofinsUS.com/Spectrum

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CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: AECOM Environmental
1563 Lyell Ave
Rochester, NY 14606
Telephone #: (585) 454-0210
Project Mgr: Heather McLaughlin

Invoice To: SAME

P.O No.: _____ Quote #: _____

Project No: 52115-16
Site Name: McAlpin
Location: 50 Bethany Dr. Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered **1**=Na_2S2O_3 **2**=HCl **3**=H_2SO_4 **4**=HNO_3 **5**=NaOH **6**=Ascorbic Acid
7=CH3OH **8**=$NaHSO_4$ **9**=Deionized Water **10**=H_3PO_4 **11**=_____ **12**=_____

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

DW=Dinking Water **GW**=Groundwater **SW**=Surface Water **WW**=Waste Water
O=Oil **SO**=Soil **SL**=Sludge **A**=Indoor/Ambient Air **SG**=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab **C**=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis	Check if chlorinated
	~~DUP~~ DUP3 (9-11)	4/1/16	16:15	G	SO	3	2				☐
	~~E~~ TB-D (10-11)	4/1/16	20:05	G	SO	3	1				☐
	TB-Q (2-3)	4/1/16	18:45	G	SO	3	1				☐
	TB-Q (10-11)	4/1/16	19:00	G	SO	3	1				☐
	TB-Q (5-6)	4/1/16	19:05	G	SO		1				☐
	TB-BB (7-8)	4/1/16	16:30	G	SO	3	2				☐
	TB-S (10.5-11.5)	4/1/16	18:00	G	SO	3	2				☐
	TB-A (10-11)	4/1/16	17:05	G	SO	3	1				☐
	TB-BB (7-11)	4/1/16	16:15	G	SO	3	2				☐
	TB-CC (3-4)	4/1/16	15:45	G	SO	3	2				☐

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

HOLD all SDs until further notice! low level VOC SDs forgen 4/1/2016 21:15

Relinquished by:	Received by:	Date:	Time:	Temp °C
H McL		4/4/2016	14:57	Observed 0.5
Cyell	JH	4/5/16	1530	Correction Factor 0
				Corrected 0.5
				IR ID # 01

☑ EDD format: NYSDEC EQuIS
☐ E-mail to: hmxiclenroc@daymail.net
jdangmer@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☑ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

1.8/0.8 IR3 CAS 4/4/16

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CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

- ☑ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: ______

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental, 1563 Lyell Ave, Rochester
Telephone #: (585) 454-0210
Project Mgr: Heather

Invoice To: SAME
P.O No.: ______ Quote #: ______

Project No: 5211S.16
Site Name: McAlpin
Location: 50 Balfour Dr Roch State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=______ 12=______

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=______ X2=______ X3=______

G= Grab C=Compsite

List Preservative Code below:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis								Check if chlorinated
	TB-DD (5-7)	4/1/16	20:00	G	SO	3	~~2~~ 1	changed per client request CAS 4/5/16										☐
	TB-AA (4-5)	4/1/16	17:00	G	SO	3	~~2~~ 1											☐
	TB-S (6.5-7.5)	4/1/16	17:30	G	SO	3	~~2~~ 1											☐
	TB-CC (9-11.4)	4/1/16	15:30	G	SO	6	4											☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☑ No QC
☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: ______
State-specific reporting standards:
low level VOC
pls frozen P 4/1/2016 21:15

Relinquished by:	Received by:	Date:	Time:	Temp °C
H McLe[illegible]	Cy[illegible]	4/4/2016	14:57	Observed 0.5
Cy[illegible]	Jun	4/5/16	1530	Correction Factor 0
				Corrected 0.5
1.8 / 0 / 1.8 IR 3 CAS 4/5/16				IR ID # 01

☑ EDD format: NYSDEC EQuIS
☑ E-mail to: hmclennan@daymail.net, jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☑ DI VOA Frozen ☐ Soil Jar Frozen

Sample shipping address: 11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • www.EurofinsUS.com/Spectrum

Rev. Sep 2015

DATA USABILITY SUMMARY REPORT

For

McALPIN - ROCHESTER, NY / 5211S-16
SOIL & WATER SAMPLES

Volatiles, Semi-volatiles, Pesticides, PCBs, Metals, Mercury and Cyanide

SDG No: SC20027
Sampling Dates: April 6, 2016

Submitted to:

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606

Prepared by:
Environmental Occupational & Public Health Consultants Inc. (EOPHC, Inc.)
Environmental Data Validation Inc (EDV, Inc.)
1326 Orangewood Ave
Pittsburgh, PA 15216
(412) 341-5281

DATA USABILITY SUMMARY REPORT
Volatiles, Semi-volatiles, Pesticide, PCB, Metals & Cyanides
USEPA REGION II

Site: McAlpin SDG #: SC20027

Client: Day Environmental, Inc. Date: June 6, 2016

Laboratory: Spectrum Analytical Reviewer: L. Wright

Sample Identification Table

Client Sample ID	Laboratory ID	Matrix	VOCs	SVOC	Pest/ PCB	Metals/ Mercury	Cyanide
053-TB-H-1 (9.2-11.2)	SC20027-01	Soil	X	X	X	X	X
054-TB-W-1 (0-4)	SC20027-02	Soil	X	X	X	X	X
055-TB-R-1 (8-10)	SC20027-04	Soil	X	X	X	X	X
056-TB-M-1 (8-11.7)	SC20027-05	Soil	X	X	X	X	X
057-TB-N-1 (6-8.5)	SC20027-06	Soil	X	X	X	X	X
058-TB-O-1 (8-11.8)	SC20027-07	Soil	X	X	X	X	X
059-TB-I-1 (0-4)	SC20027-08	Soil	X	X	X	X	X
060-TB-P-1 (8-11.8)	SC20027-10	Soil	X	X	X	X	X
061-FB-04-06-2016	SC20027-11	Water	X	X	X	X	X

The data package contained eight (8) soils and one field blank. The samples were analyzed via Method SW-846 8260C, 8270D, 8081B, 8082A 6010C, 7471A and 9012B. The adherence of laboratory analytical performance to this method's analytical specifications was evaluated during the data validation process. The data package was evaluated for its usability as defined by the Guidance for the Development of Data Usability Summary Reports (DER-10, 11/09). USEPA Region II checklists were used as guidance documents. According to the NYSDEC Guidance for the Development of Data Usability Summary Reports, the following QC data were evaluated: blanks, instrument tunings, calibration standards, calibration verifications, laboratory controls, surrogate recoveries, spike recoveries, and sample data. All QC data were within quality control limits, except the following issues:

Cover letter, Narrative and Data Reporting Forms (Form 1s): All criteria were met. The deficiencies noted in the case narrative have been discussed in applicable sections.

Chain of Custody (COC): All were present.

Preservation: Method 5035A collection and preservation was acceptable.

Holding Time: Holding times were within acceptable criterion for all samples and analyses.

Blanks Quality Control: The following were qualified due to field blank contamination.

Sample Identification	Compound	Qualifier
SC20027-08	Sodium	U

Calibration Quality Control: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC20027-01 SC20027-02 SC20027-04 SC20027-05 SC20027-06 SC20027-07 SC20027-08 SC20027-10	Dichlorodifluoromethane (Freon12) Methyl acetate	UJ
SC20027-01 SC20027-02 SC20027-04 SC20027-05 SC20027-06 SC20027-07 SC20027-08 SC20027-10	2,4-Dinitrotoluene 4-Chloro-3-methylphenol Hexachlorobutadiene Hexachlorocyclopentadiene	UJ

Laboratory Control Sample (LCS): The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC20027-04	DBCP	UJ
SC20027-01 SC20027-02 SC20027-04 SC20027-05 SC20027-06 SC20027-07 SC20027-08 SC20027-10	1,3-Dichlorobenzene Aniline Benzoic acid Benzyl alcohol N-Nitrosodimethylamine Phenol Pyridine	UJ
SC20027-11	Benzoic acid Pyridine	UJ
SC20027-11	Silver	R
	Antimony	UJ

Surrogates: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC20027-04	1-Methylnaphthalene	J

Matrix Spike: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC20027-01 SC20027-02 SC20027-04 SC20027-05 SC20027-06 SC20027-07 SC20027-08 SC20027-10	Manganese, potassium	J
	Copper	J-
SC20027-02	Cyanide	J

Serial Dilution: The following were qualified due to deficiency;

Sample Identification	Compound	Qualifier
SC20027-01 SC20027-02 SC20027-04 SC20027-05 SC20027-06 SC20027-07 SC20027-08 SC20027-10 SC20027-11	Magnesium, calcium, iron	J

Internal Standards: The internal standards did not report any deficiencies and are acceptable.

Compound Quantitation: The following was qualified due to variance on second column > QC limits.

Sample Identification	Compound	Qualifier
SC20027-02	4-DDT	J

Additional Comments:

Data usability: Data qualified with the "UJ" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "J" qualifier are to be used cautiously as they are estimated data with some quality control issues. Data qualified with the "R" qualifier are not usable

due to severe quality control issues. Data qualified with the “U” qualifier are usable as there are no quality control issues.

ATTACHMENT A

FORM 1s

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Form I Summary Pack

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	2002701.D		
Sampled:	04/06/16 10:30	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 11:57		
% Solids:	84.55	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.98 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.2	1.6	4.2	U
67-64-1	Acetone	42.1	4.7	42.1	U
107-13-1	Acrylonitrile	4.2	1.0	4.2	U
71-43-2	Benzene	4.2	0.6	4.2	U
108-86-1	Bromobenzene	4.2	0.8	4.2	U
74-97-5	Bromochloromethane	4.2	1.7	4.2	U
75-27-4	Bromodichloromethane	4.2	0.9	4.2	U
75-25-2	Bromoform	4.2	1.1	4.2	U
74-83-9	Bromomethane	8.4	2.0	8.4	U
78-93-3	2-Butanone (MEK)	42.1	2.4	42.1	U
104-51-8	n-Butylbenzene	0.6	0.6	4.2	J
135-98-8	sec-Butylbenzene	2.4	0.9	4.2	J
98-06-6	tert-Butylbenzene	4.2	1.8	4.2	U
75-15-0	Carbon disulfide	3.8	1.1	8.4	J
56-23-5	Carbon tetrachloride	4.2	0.9	4.2	U
108-90-7	Chlorobenzene	4.2	0.6	4.2	U
75-00-3	Chloroethane	8.4	1.5	8.4	U
67-66-3	Chloroform	4.2	1.4	4.2	U
74-87-3	Chloromethane	8.4	1.2	8.4	U
95-49-8	2-Chlorotoluene	4.2	1.1	4.2	U
106-43-4	4-Chlorotoluene	4.2	0.8	4.2	U
96-12-8	1,2-Dibromo-3-chloropropane	8.4	3.1	8.4	U
124-48-1	Dibromochloromethane	4.2	0.9	4.2	U
106-93-4	1,2-Dibromoethane (EDB)	4.2	0.8	4.2	U
74-95-3	Dibromomethane	4.2	1.2	4.2	U
95-50-1	1,2-Dichlorobenzene	4.2	0.7	4.2	U
541-73-1	1,3-Dichlorobenzene	4.2	0.7	4.2	U
106-46-7	1,4-Dichlorobenzene	4.2	0.8	4.2	U
75-71-8	Dichlorodifluoromethane (Freon12)	8.4	1.2	8.4	U J
75-34-3	1,1-Dichloroethane	4.2	1.3	4.2	U
107-06-2	1,2-Dichloroethane	4.2	1.0	4.2	U
75-35-4	1,1-Dichloroethene	4.2	1.3	4.2	U
156-59-2	cis-1,2-Dichloroethene	14.6	1.5	4.2	
156-60-5	trans-1,2-Dichloroethene	4.2	1.8	4.2	U
78-87-5	1,2-Dichloropropane	4.2	1.5	4.2	U
142-28-9	1,3-Dichloropropane	4.2	0.8	4.2	U
594-20-7	2,2-Dichloropropane	4.2	2.0	4.2	U
563-58-6	1,1-Dichloropropene	4.2	1.0	4.2	U
10061-01-5	cis-1,3-Dichloropropene	4.2	0.8	4.2	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	2002701.D		
Sampled:	04/06/16 10:30	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 11:57		
% Solids:	84.55	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.98 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.2	1.4	4.2	U
100-41-4	Ethylbenzene	4.2	0.7	4.2	U
87-68-3	Hexachlorobutadiene	4.2	0.8	4.2	U
591-78-6	2-Hexanone (MBK)	42.1	2.8	42.1	U
98-82-8	Isopropylbenzene	4.2	0.8	4.2	U
99-87-6	4-Isopropyltoluene	4.2	0.5	4.2	U
1634-04-4	Methyl tert-butyl ether	4.2	0.9	4.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	42.1	2.0	42.1	U
75-09-2	Methylene chloride	8.4	1.2	8.4	U
91-20-3	Naphthalene	4.2	2.3	4.2	U
103-65-1	n-Propylbenzene	4.2	0.6	4.2	U
100-42-5	Styrene	4.2	0.7	4.2	U
630-20-6	1,1,1,2-Tetrachloroethane	4.2	0.5	4.2	U
79-34-5	1,1,2,2-Tetrachloroethane	4.2	2.3	4.2	U
127-18-4	Tetrachloroethene	4.2	1.6	4.2	U
108-88-3	Toluene	4.2	1.0	4.2	U
87-61-6	1,2,3-Trichlorobenzene	4.2	2.4	4.2	U
120-82-1	1,2,4-Trichlorobenzene	4.2	1.4	4.2	U
71-55-6	1,1,1-Trichloroethane	4.2	1.1	4.2	U
108-70-3	1,3,5-Trichlorobenzene	4.2	0.8	4.2	U
79-00-5	1,1,2-Trichloroethane	4.2	0.8	4.2	U
79-01-6	Trichloroethene	38.2	0.6	4.2	
75-69-4	Trichlorofluoromethane (Freon 11)	4.2	1.5	4.2	U
96-18-4	1,2,3-Trichloropropane	4.2	1.3	4.2	U
95-63-6	1,2,4-Trimethylbenzene	4.2	0.6	4.2	U
108-67-8	1,3,5-Trimethylbenzene	4.2	0.5	4.2	U
75-01-4	Vinyl chloride	30.3	1.6	4.2	
179601-23-1	m,p-Xylene	8.4	0.8	8.4	U
95-47-6	o-Xylene	4.2	0.9	4.2	U
109-99-9	Tetrahydrofuran	8.4	4.5	8.4	U
60-29-7	Ethyl ether	4.2	1.0	4.2	U
994-05-8	Tert-amyl methyl ether	4.2	1.6	4.2	U
637-92-3	Ethyl tert-butyl ether	4.2	1.6	4.2	U
108-20-3	Di-isopropyl ether	4.2	0.6	4.2	U
75-65-0	Tert-Butanol / butyl alcohol	42.1	17.8	42.1	U
110-57-6	trans-1,4-Dichloro-2-butene	21.0	5.5	21.0	U
110-82-7	Cyclohexane	21.0	1.0	21.0	U
1330-20-7	Total Xylenes	0.9	0.8	4.2	J
79-20-9	Methyl acetate	21.0	1.7	21.0	U J

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	2002701.D		
Sampled:	04/06/16 10:30	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 11:57		
% Solids:	84.55	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.98 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	10.2	1.0	21.0	J
123-91-1	1,4-Dioxane	84.1	46.4	84.1	U
64-17-5	Ethanol	1680	97.0	1680	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	2002701.D		
Sampled:	04/06/16 10:30	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 11:57		
% Solids:	84.55	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.98 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	1-Methyldecahydronaphthalene	10.222	88	JN
054965-05-8	Cyclohexane, 1,1,3-trimethyl-	7.259	63	JN
493-02-7	Naphthalene, decahydro-, tr...	9.561	63	JN
1000152-47-3	trans-Decalin, 2-methyl-	10.075	92	JN
17301-23-4	Undecane, 2,6-dimethyl-	10.667	180	JN

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	2002702.D
Sampled:	04/06/16 10:50	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 12:27
% Solids:	75.00	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.29 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	6.2	2.4	6.2	U
67-64-1	Acetone	62.4	6.9	62.4	U
107-13-1	Acrylonitrile	6.2	1.5	6.2	U
71-43-2	Benzene	6.2	0.9	6.2	U
108-86-1	Bromobenzene	6.2	1.1	6.2	U
74-97-5	Bromochloromethane	6.2	2.5	6.2	U
75-27-4	Bromodichloromethane	6.2	1.3	6.2	U
75-25-2	Bromoform	6.2	1.6	6.2	U
74-83-9	Bromomethane	12.5	3.0	12.5	U
78-93-3	2-Butanone (MEK)	62.4	3.6	62.4	U
104-51-8	n-Butylbenzene	6.2	0.9	6.2	U
135-98-8	sec-Butylbenzene	6.2	1.4	6.2	U
98-06-6	tert-Butylbenzene	6.2	2.6	6.2	U
75-15-0	Carbon disulfide	3.3	1.7	12.5	J
56-23-5	Carbon tetrachloride	6.2	1.4	6.2	U
108-90-7	Chlorobenzene	6.2	0.9	6.2	U
75-00-3	Chloroethane	12.5	2.2	12.5	U
67-66-3	Chloroform	6.2	2.1	6.2	U
74-87-3	Chloromethane	12.5	1.7	12.5	U
95-49-8	2-Chlorotoluene	6.2	1.6	6.2	U
106-43-4	4-Chlorotoluene	6.2	1.2	6.2	U
96-12-8	1,2-Dibromo-3-chloropropane	12.5	4.6	12.5	U
124-48-1	Dibromochloromethane	6.2	1.3	6.2	U
106-93-4	1,2-Dibromoethane (EDB)	6.2	1.2	6.2	U
74-95-3	Dibromomethane	6.2	1.7	6.2	U
95-50-1	1,2-Dichlorobenzene	6.2	1.0	6.2	U
541-73-1	1,3-Dichlorobenzene	6.2	1.0	6.2	U
106-46-7	1,4-Dichlorobenzene	6.2	1.1	6.2	U
75-71-8	Dichlorodifluoromethane (Freon12)	12.5	1.8	12.5	U J
75-34-3	1,1-Dichloroethane	6.2	2.0	6.2	U
107-06-2	1,2-Dichloroethane	6.2	1.5	6.2	U
75-35-4	1,1-Dichloroethene	6.2	1.9	6.2	U
156-59-2	cis-1,2-Dichloroethene	6.2	2.3	6.2	U
156-60-5	trans-1,2-Dichloroethene	6.2	2.7	6.2	U
78-87-5	1,2-Dichloropropane	6.2	2.2	6.2	U
142-28-9	1,3-Dichloropropane	6.2	1.2	6.2	U
594-20-7	2,2-Dichloropropane	6.2	2.9	6.2	U
563-58-6	1,1-Dichloropropene	6.2	1.6	6.2	U
10061-01-5	cis-1,3-Dichloropropene	6.2	1.2	6.2	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	2002702.D
Sampled:	04/06/16 10:50	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 12:27
% Solids:	75.00	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.29 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	6.2	2.1	6.2	U
100-41-4	Ethylbenzene	6.2	1.1	6.2	U
87-68-3	Hexachlorobutadiene	6.2	1.2	6.2	U
591-78-6	2-Hexanone (MBK)	62.4	4.2	62.4	U
98-82-8	Isopropylbenzene	6.2	1.2	6.2	U
99-87-6	4-Isopropyltoluene	6.2	0.8	6.2	U
1634-04-4	Methyl tert-butyl ether	6.2	1.4	6.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	62.4	3.0	62.4	U
75-09-2	Methylene chloride	12.5	1.8	12.5	U
91-20-3	Naphthalene	4.3	3.5	6.2	J
103-65-1	n-Propylbenzene	6.2	0.9	6.2	U
100-42-5	Styrene	6.2	1.1	6.2	U
630-20-6	1,1,1,2-Tetrachloroethane	6.2	0.8	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	6.2	3.4	6.2	U
127-18-4	Tetrachloroethene	6.2	2.4	6.2	U
108-88-3	Toluene	6.2	1.4	6.2	U
87-61-6	1,2,3-Trichlorobenzene	6.2	3.6	6.2	U
120-82-1	1,2,4-Trichlorobenzene	6.2	2.0	6.2	U
71-55-6	1,1,1-Trichloroethane	6.2	1.6	6.2	U
108-70-3	1,3,5-Trichlorobenzene	6.2	1.2	6.2	U
79-00-5	1,1,2-Trichloroethane	6.2	1.2	6.2	U
79-01-6	Trichloroethene	3.2	1.0	6.2	J
75-69-4	Trichlorofluoromethane (Freon 11)	6.2	2.3	6.2	U
96-18-4	1,2,3-Trichloropropane	6.2	2.0	6.2	U
95-63-6	1,2,4-Trimethylbenzene	6.2	0.9	6.2	U
108-67-8	1,3,5-Trimethylbenzene	6.2	0.8	6.2	U
75-01-4	Vinyl chloride	6.2	2.4	6.2	U
179601-23-1	m,p-Xylene	12.5	1.2	12.5	U
95-47-6	o-Xylene	6.2	1.3	6.2	U
109-99-9	Tetrahydrofuran	12.5	6.7	12.5	U
60-29-7	Ethyl ether	6.2	1.4	6.2	U
994-05-8	Tert-amyl methyl ether	6.2	2.4	6.2	U
637-92-3	Ethyl tert-butyl ether	6.2	2.4	6.2	U
108-20-3	Di-isopropyl ether	6.2	0.9	6.2	U
75-65-0	Tert-Butanol / butyl alcohol	62.4	26.4	62.4	U
110-57-6	trans-1,4-Dichloro-2-butene	31.2	8.1	31.2	U
110-82-7	Cyclohexane	1.6	1.4	31.2	J
1330-20-7	Total Xylenes	6.2	1.2	6.2	U
79-20-9	Methyl acetate	31.2	2.5	31.2	U

LW6/12/16

J

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	2002702.D		
Sampled:	04/06/16 10:50	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 12:27		
% Solids:	75.00	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.29 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	3.2	1.5	31.2	J
123-91-1	1,4-Dioxane	125	68.8	125	U
64-17-5	Ethanol	2500	144	2500	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	2002702.D		
Sampled:	04/06/16 10:50	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 12:27		
% Solids:	75.00	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.29 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
112-40-3	Dodecane	10.542	37	JN
3891-98-3	Dodecane, 2,6,10-trimethyl-	11.879	14	JN
629-50-5	Tridecane	11.297	15	JN
1120-21-4	Undecane	9.719	18	JN
17301-23-4	Undecane, 2,6-dimethyl-	10.662	31	JN

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	2002704.D		
Sampled:	04/06/16 11:20	Prepared:	04/13/16 10:30	Analyzed:	04/13/16 17:58		
% Solids:	78.67	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	6.42 g / 15 ml		
Batch:	1606144	Sequence:	S602972	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	162	61.6	162	U
67-64-1	Acetone	1620	179	1620	U
107-13-1	Acrylonitrile	162	39.7	162	U
71-43-2	Benzene	162	24.1	162	U
108-86-1	Bromobenzene	162	29.7	162	U
74-97-5	Bromochloromethane	162	64.0	162	U
75-27-4	Bromodichloromethane	162	33.5	162	U
75-25-2	Bromoform	162	42.6	162	U
74-83-9	Bromomethane	324	77.9	324	U
78-93-3	2-Butanone (MEK)	1620	94.1	1620	U
104-51-8	n-Butylbenzene	606	24.1	162	
135-98-8	sec-Butylbenzene	1050	36.5	162	
98-06-6	tert-Butylbenzene	84.3	68.2	162	J
75-15-0	Carbon disulfide	324	43.1	324	U
56-23-5	Carbon tetrachloride	162	35.3	162	U
108-90-7	Chlorobenzene	162	23.0	162	U
75-00-3	Chloroethane	324	56.2	324	U
67-66-3	Chloroform	162	53.6	162	U
74-87-3	Chloromethane	324	45.0	324	U
95-49-8	2-Chlorotoluene	162	42.1	162	U
106-43-4	4-Chlorotoluene	162	31.6	162	U
96-12-8	1,2-Dibromo-3-chloropropane	324	120	324	U
124-48-1	Dibromochloromethane	162	33.2	162	U
106-93-4	1,2-Dibromoethane (EDB)	162	32.4	162	U
74-95-3	Dibromomethane	162	45.4	162	U
95-50-1	1,2-Dichlorobenzene	162	26.3	162	U
541-73-1	1,3-Dichlorobenzene	162	26.1	162	U
106-46-7	1,4-Dichlorobenzene	162	29.7	162	U
75-71-8	Dichlorodifluoromethane (Freon12)	324	47.8	324	U
75-34-3	1,1-Dichloroethane	162	51.2	162	U
107-06-2	1,2-Dichloroethane	162	39.4	162	U
75-35-4	1,1-Dichloroethene	162	50.2	162	U
156-59-2	cis-1,2-Dichloroethene	162	59.6	162	U
156-60-5	trans-1,2-Dichloroethene	162	69.7	162	U
78-87-5	1,2-Dichloropropane	162	56.2	162	U
142-28-9	1,3-Dichloropropane	162	31.8	162	U
594-20-7	2,2-Dichloropropane	162	76.5	162	U
563-58-6	1,1-Dichloropropene	162	40.3	162	U
10061-01-5	cis-1,3-Dichloropropene	162	30.8	162	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	2002704.D		
Sampled:	04/06/16 11:20	Prepared:	04/13/16 10:30	Analyzed:	04/13/16 17:58		
% Solids:	78.67	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	6.42 g / 15 ml		
Batch:	1606144	Sequence:	S602972	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	162	54.6	162	U
100-41-4	Ethylbenzene	162	28.5	162	U
87-68-3	Hexachlorobutadiene	162	31.8	162	U
591-78-6	2-Hexanone (MBK)	1620	109	1620	U
98-82-8	Isopropylbenzene	190	30.8	162	
99-87-6	4-Isopropyltoluene	61.6	20.4	162	J
1634-04-4	Methyl tert-butyl ether	162	35.2	162	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1620	78.6	1620	U
75-09-2	Methylene chloride	324	47.2	324	U
91-20-3	Naphthalene	217	89.9	162	
103-65-1	n-Propylbenzene	374	24.5	162	
100-42-5	Styrene	162	27.9	162	U
630-20-6	1,1,1,2-Tetrachloroethane	162	20.1	162	U
79-34-5	1,1,2,2-Tetrachloroethane	162	88.2	162	U
127-18-4	Tetrachloroethene	162	61.7	162	U
108-88-3	Toluene	162	37.3	162	U
87-61-6	1,2,3-Trichlorobenzene	162	92.7	162	U
120-82-1	1,2,4-Trichlorobenzene	162	52.3	162	U
71-55-6	1,1,1-Trichloroethane	162	41.8	162	U
108-70-3	1,3,5-Trichlorobenzene	162	31.9	162	U
79-00-5	1,1,2-Trichloroethane	162	31.3	162	U
79-01-6	Trichloroethene	162	24.8	162	U
75-69-4	Trichlorofluoromethane (Freon 11)	162	58.5	162	U
96-18-4	1,2,3-Trichloropropane	162	51.4	162	U
95-63-6	1,2,4-Trimethylbenzene	220	23.0	162	
108-67-8	1,3,5-Trimethylbenzene	82.6	20.6	162	J
75-01-4	Vinyl chloride	162	61.6	162	U
179601-23-1	m,p-Xylene	324	31.9	324	U
95-47-6	o-Xylene	55.1	34.5	162	J
109-99-9	Tetrahydrofuran	324	174	324	U
60-29-7	Ethyl ether	162	37.4	162	U
994-05-8	Tert-amyl methyl ether	162	61.7	162	U
637-92-3	Ethyl tert-butyl ether	162	62.5	162	U
108-20-3	Di-isopropyl ether	162	23.8	162	U
75-65-0	Tert-Butanol / butyl alcohol	1620	685	1620	U
110-57-6	trans-1,4-Dichloro-2-butene	810	210	810	U
64-17-5	Ethanol	64800	3740	64800	U
110-82-7	Cyclohexane	186	37.6	810	J
1330-20-7	Total Xylenes	55.1	31.9	162	J

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	2002704.D		
Sampled:	04/06/16 11:20	Prepared:	04/13/16 10:30	Analyzed:	04/13/16 17:58		
% Solids:	78.67	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	6.42 g / 15 ml		
Batch:	1606144	Sequence:	S602972	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	810	65.6	810	UJ
108-87-2	Methylcyclohexane	1240	38.4	810	
123-91-1	1,4-Dioxane	3240	1790	3240	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	2002704.D		
Sampled:	04/06/16 11:20	Prepared:	04/13/16 10:30	Analyzed:	04/13/16 17:58		
% Solids:	78.67	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	6.42 g / 15 ml		
Batch:	1606144	Sequence:	S602972	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
001685-82-1	1H-Indene, 2,3-dihydro-4,6-...	12.993	6400	JN
NA	1H-Indene, 2,3-dihydro-4,7-...	12.234	5200	JN
527-53-7	Benzene, 1,2,3,5-tetramethyl-	11.56	6100	JN
000119-64-2	Naphthalene, 1,2,3,4-tetrah...	13.679	7900	JN
493-02-7	Naphthalene, decahydro-, tr...	10.796	5200	JN

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	2002705.D
Sampled:	04/06/16 11:45	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 13:55
% Solids:	88.23	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.4 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.5	1.7	4.5	U
67-64-1	Acetone	45.0	5.0	45.0	U
107-13-1	Acrylonitrile	4.5	1.1	4.5	U
71-43-2	Benzene	4.5	0.7	4.5	U
108-86-1	Bromobenzene	4.5	0.8	4.5	U
74-97-5	Bromochloromethane	4.5	1.8	4.5	U
75-27-4	Bromodichloromethane	4.5	0.9	4.5	U
75-25-2	Bromoform	4.5	1.2	4.5	U
74-83-9	Bromomethane	9.0	2.2	9.0	U
78-93-3	2-Butanone (MEK)	3.1	2.6	45.0	J
104-51-8	n-Butylbenzene	12.2	0.7	4.5	
135-98-8	sec-Butylbenzene	13.0	1.0	4.5	
98-06-6	tert-Butylbenzene	4.5	1.9	4.5	U
75-15-0	Carbon disulfide	3.4	1.2	9.0	J
56-23-5	Carbon tetrachloride	4.5	1.0	4.5	U
108-90-7	Chlorobenzene	4.5	0.6	4.5	U
75-00-3	Chloroethane	9.0	1.6	9.0	U
67-66-3	Chloroform	4.5	1.5	4.5	U
74-87-3	Chloromethane	9.0	1.3	9.0	U
95-49-8	2-Chlorotoluene	4.5	1.2	4.5	U
106-43-4	4-Chlorotoluene	4.5	0.9	4.5	U
96-12-8	1,2-Dibromo-3-chloropropane	9.0	3.3	9.0	U
124-48-1	Dibromochloromethane	4.5	0.9	4.5	U
106-93-4	1,2-Dibromoethane (EDB)	4.5	0.9	4.5	U
74-95-3	Dibromomethane	4.5	1.3	4.5	U
95-50-1	1,2-Dichlorobenzene	4.5	0.7	4.5	U
541-73-1	1,3-Dichlorobenzene	4.5	0.7	4.5	U
106-46-7	1,4-Dichlorobenzene	4.5	0.8	4.5	U
75-71-8	Dichlorodifluoromethane (Freon12)	9.0	1.3	9.0	U
75-34-3	1,1-Dichloroethane	4.5	1.4	4.5	U
107-06-2	1,2-Dichloroethane	4.5	1.1	4.5	U
75-35-4	1,1-Dichloroethene	4.5	1.4	4.5	U
156-59-2	cis-1,2-Dichloroethene	7.5	1.7	4.5	
156-60-5	trans-1,2-Dichloroethene	4.5	1.9	4.5	U
78-87-5	1,2-Dichloropropane	4.5	1.6	4.5	U
142-28-9	1,3-Dichloropropane	4.5	0.9	4.5	U
594-20-7	2,2-Dichloropropane	4.5	2.1	4.5	U
563-58-6	1,1-Dichloropropene	4.5	1.1	4.5	U
10061-01-5	cis-1,3-Dichloropropene	4.5	0.9	4.5	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	2002705.D		
Sampled:	04/06/16 11:45	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 13:55		
% Solids:	88.23	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.4 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.5	1.5	4.5	U
100-41-4	Ethylbenzene	4.5	0.8	4.5	U
87-68-3	Hexachlorobutadiene	4.5	0.9	4.5	U
591-78-6	2-Hexanone (MBK)	45.0	3.0	45.0	U
98-82-8	Isopropylbenzene	2.8	0.9	4.5	J
99-87-6	4-Isopropyltoluene	4.5	0.6	4.5	U
1634-04-4	Methyl tert-butyl ether	4.5	1.0	4.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	45.0	2.2	45.0	U
75-09-2	Methylene chloride	9.0	1.3	9.0	U
91-20-3	Naphthalene	4.5	2.5	4.5	U
103-65-1	n-Propylbenzene	5.0	0.7	4.5	
100-42-5	Styrene	4.5	0.8	4.5	U
630-20-6	1,1,1,2-Tetrachloroethane	4.5	0.6	4.5	U
79-34-5	1,1,2,2-Tetrachloroethane	4.5	2.4	4.5	U
127-18-4	Tetrachloroethene	4.5	1.7	4.5	U
108-88-3	Toluene	1.3	1.0	4.5	J
87-61-6	1,2,3-Trichlorobenzene	4.5	2.6	4.5	U
120-82-1	1,2,4-Trichlorobenzene	4.5	1.5	4.5	U
71-55-6	1,1,1-Trichloroethane	4.5	1.2	4.5	U
108-70-3	1,3,5-Trichlorobenzene	4.5	0.9	4.5	U
79-00-5	1,1,2-Trichloroethane	2.4	0.9	4.5	J
79-01-6	Trichloroethene	2.7	0.7	4.5	J
75-69-4	Trichlorofluoromethane (Freon 11)	4.5	1.6	4.5	U
96-18-4	1,2,3-Trichloropropane	4.5	1.4	4.5	U
95-63-6	1,2,4-Trimethylbenzene	0.7	0.6	4.5	J
108-67-8	1,3,5-Trimethylbenzene	4.5	0.6	4.5	U
75-01-4	Vinyl chloride	4.5	1.7	4.5	U
179601-23-1	m,p-Xylene	1.4	0.9	9.0	J
95-47-6	o-Xylene	4.5	1.0	4.5	U
109-99-9	Tetrahydrofuran	9.0	4.8	9.0	U
60-29-7	Ethyl ether	4.5	1.0	4.5	U
994-05-8	Tert-amyl methyl ether	4.5	1.7	4.5	U
637-92-3	Ethyl tert-butyl ether	4.5	1.7	4.5	U
108-20-3	Di-isopropyl ether	4.5	0.7	4.5	U
75-65-0	Tert-Butanol / butyl alcohol	45.0	19.0	45.0	U
110-57-6	trans-1,4-Dichloro-2-butene	22.5	5.8	22.5	U
110-82-7	Cyclohexane	9.2	1.0	22.5	J
1330-20-7	Total Xylenes	2.1	0.9	4.5	J
79-20-9	Methyl acetate	22.5	1.8	22.5	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	2002705.D		
Sampled:	04/06/16 11:45	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 13:55		
% Solids:	88.23	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.4 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	54.3	1.1	22.5	
123-91-1	1,4-Dioxane	89.9	49.6	89.9	U
64-17-5	Ethanol	1800	104	1800	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	2002705.D		
Sampled:	04/06/16 11:45	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 13:55		
% Solids:	88.23	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	7.4 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
020836-11-7	1H-Indene,2,3-dihydro-2,2-d...	10.783	120	JN
874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	10.148	89	JN
054965-05-8	Cyclohexane, 1,1,3-trimethyl-	7.259	95	JN
000638-04-0	Cyclohexane, 1,3-dimethyl-,...	6.499	76	JN
054676-39-0	Cyclohexane, 2-butyl-1,1,3-...	10.956	140	JN
002958-76-1	Naphthalene, decahydro-2-me...	10.222	76	JN
17301-23-4	Undecane, 2,6-dimethyl-	10.667	200	JN

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	2002706.D		
Sampled:	04/06/16 12:10	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 14:25		
% Solids:	82.76	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	12 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	3.6	1.4	3.6	U
67-64-1	Acetone	23.6	3.9	35.6	J
107-13-1	Acrylonitrile	3.6	0.9	3.6	U
71-43-2	Benzene	3.6	0.5	3.6	U
108-86-1	Bromobenzene	3.6	0.7	3.6	U
74-97-5	Bromochloromethane	3.6	1.4	3.6	U
75-27-4	Bromodichloromethane	3.6	0.7	3.6	U
75-25-2	Bromoform	3.6	0.9	3.6	U
74-83-9	Bromomethane	7.1	1.7	7.1	U
78-93-3	2-Butanone (MEK)	2.8	2.1	35.6	J
104-51-8	n-Butylbenzene	3.6	0.5	3.6	U
135-98-8	sec-Butylbenzene	2.9	0.8	3.6	J
98-06-6	tert-Butylbenzene	3.6	1.5	3.6	U
75-15-0	Carbon disulfide	2.9	0.9	7.1	J
56-23-5	Carbon tetrachloride	3.6	0.8	3.6	U
108-90-7	Chlorobenzene	3.6	0.5	3.6	U
75-00-3	Chloroethane	7.1	1.2	7.1	U
67-66-3	Chloroform	3.6	1.2	3.6	U
74-87-3	Chloromethane	7.1	1.0	7.1	U
95-49-8	2-Chlorotoluene	3.6	0.9	3.6	U
106-43-4	4-Chlorotoluene	3.6	0.7	3.6	U
96-12-8	1,2-Dibromo-3-chloropropane	7.1	2.6	7.1	U
124-48-1	Dibromochloromethane	3.6	0.7	3.6	U
106-93-4	1,2-Dibromoethane (EDB)	3.6	0.7	3.6	U
74-95-3	Dibromomethane	3.6	1.0	3.6	U
95-50-1	1,2-Dichlorobenzene	3.6	0.6	3.6	U
541-73-1	1,3-Dichlorobenzene	3.6	0.6	3.6	U
106-46-7	1,4-Dichlorobenzene	3.6	0.7	3.6	U
75-71-8	Dichlorodifluoromethane (Freon12)	7.1	1.0	7.1	U J
75-34-3	1,1-Dichloroethane	3.6	1.1	3.6	U
107-06-2	1,2-Dichloroethane	3.6	0.9	3.6	U
75-35-4	1,1-Dichloroethene	3.6	1.1	3.6	U
156-59-2	cis-1,2-Dichloroethene	15.4	1.3	3.6	
156-60-5	trans-1,2-Dichloroethene	2.4	1.5	3.6	J
78-87-5	1,2-Dichloropropane	3.6	1.2	3.6	U
142-28-9	1,3-Dichloropropane	3.6	0.7	3.6	U
594-20-7	2,2-Dichloropropane	3.6	1.7	3.6	U
563-58-6	1,1-Dichloropropene	3.6	0.9	3.6	U
10061-01-5	cis-1,3-Dichloropropene	3.6	0.7	3.6	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	2002706.D		
Sampled:	04/06/16 12:10	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 14:25		
% Solids:	82.76	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	12 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	3.6	1.2	3.6	U
100-41-4	Ethylbenzene	3.6	0.6	3.6	U
87-68-3	Hexachlorobutadiene	3.6	0.7	3.6	U
591-78-6	2-Hexanone (MBK)	35.6	2.4	35.6	U
98-82-8	Isopropylbenzene	3.6	0.7	3.6	U
99-87-6	4-Isopropyltoluene	3.6	0.4	3.6	U
1634-04-4	Methyl tert-butyl ether	3.6	0.8	3.6	U
108-10-1	4-Methyl-2-pentanone (MIBK)	35.6	1.7	35.6	U
75-09-2	Methylene chloride	7.1	1.0	7.1	U
91-20-3	Naphthalene	3.6	2.0	3.6	U
103-65-1	n-Propylbenzene	3.6	0.5	3.6	U
100-42-5	Styrene	3.6	0.6	3.6	U
630-20-6	1,1,1,2-Tetrachloroethane	3.6	0.4	3.6	U
79-34-5	1,1,2,2-Tetrachloroethane	3.6	1.9	3.6	U
127-18-4	Tetrachloroethene	3.6	1.4	3.6	U
108-88-3	Toluene	3.6	0.8	3.6	U
87-61-6	1,2,3-Trichlorobenzene	3.6	2.0	3.6	U
120-82-1	1,2,4-Trichlorobenzene	3.6	1.1	3.6	U
71-55-6	1,1,1-Trichloroethane	3.6	0.9	3.6	U
108-70-3	1,3,5-Trichlorobenzene	3.6	0.7	3.6	U
79-00-5	1,1,2-Trichloroethane	3.6	0.7	3.6	U
79-01-6	Trichloroethene	*1700 ~~217~~	0.5	3.6	E
75-69-4	Trichlorofluoromethane (Freon 11)	3.6	1.3	3.6	U
96-18-4	1,2,3-Trichloropropane	3.6	1.1	3.6	U
95-63-6	1,2,4-Trimethylbenzene	3.6	0.5	3.6	U
108-67-8	1,3,5-Trimethylbenzene	3.6	0.5	3.6	U
75-01-4	Vinyl chloride	10.4	1.4	3.6	
179601-23-1	m,p-Xylene	7.1	0.7	7.1	U
95-47-6	o-Xylene	3.6	0.8	3.6	U
109-99-9	Tetrahydrofuran	7.1	3.8	7.1	U
60-29-7	Ethyl ether	3.6	0.8	3.6	U
994-05-8	Tert-amyl methyl ether	3.6	1.4	3.6	U
637-92-3	Ethyl tert-butyl ether	3.6	1.4	3.6	U
108-20-3	Di-isopropyl ether	3.6	0.5	3.6	U
75-65-0	Tert-Butanol / butyl alcohol	35.6	15.0	35.6	U
110-57-6	trans-1,4-Dichloro-2-butene	17.8	4.6	17.8	U
110-82-7	Cyclohexane	17.8	0.8	17.8	U
1330-20-7	Total Xylenes	3.6	0.7	3.6	U
79-20-9	Methyl acetate	17.8	1.4	17.8	U J

~~LW6/12/16~~

*High level analysis

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	2002706.D
Sampled:	04/06/16 12:10	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 14:25
% Solids:	82.76	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	12 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	17.8	0.8	17.8	U
123-91-1	1,4-Dioxane	71.2	39.2	71.2	U
64-17-5	Ethanol	1420	82.1	1420	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	2002706.D		
Sampled:	04/06/16 12:10	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 14:25		
% Solids:	82.76	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	12 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
3891-98-3	Dodecane, 2,6,10-trimethyl-	11.879	3.6	JN
001127-76-0	Naphthalene, 1-ethyl-	12.403	3.9	JN

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-06RE1	File ID:	2002706RE1.D
Sampled:	04/06/16 12:10	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 18:07
% Solids:	82.76	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	9.65 g / 15 ml
Batch:	1606326	Sequence:	S603071	Calibration:	1603012
Instrument:	HPV3				
Reported to:	MRL	Dilution:	50		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	104	39.6	104	UD
67-64-1	Acetone	1040	115	1040	UD
107-13-1	Acrylonitrile	104	25.6	104	UD
71-43-2	Benzene	104	15.5	104	UD
108-86-1	Bromobenzene	104	19.1	104	UD
74-97-5	Bromochloromethane	104	41.2	104	UD
75-27-4	Bromodichloromethane	104	21.6	104	UD
75-25-2	Bromoform	104	27.4	104	UD
74-83-9	Bromomethane	209	50.2	209	UD
78-93-3	2-Butanone (MEK)	1040	60.6	1040	UD
104-51-8	n-Butylbenzene	104	15.5	104	UD
135-98-8	sec-Butylbenzene	126	23.5	104	D
98-06-6	tert-Butylbenzene	51.1	43.9	104	JD
75-15-0	Carbon disulfide	209	27.7	209	UD
56-23-5	Carbon tetrachloride	104	22.7	104	UD
108-90-7	Chlorobenzene	104	14.8	104	UD
75-00-3	Chloroethane	209	36.2	209	UD
67-66-3	Chloroform	104	34.5	104	UD
74-87-3	Chloromethane	209	29.0	209	UD
95-49-8	2-Chlorotoluene	104	27.1	104	UD
106-43-4	4-Chlorotoluene	104	20.3	104	UD
96-12-8	1,2-Dibromo-3-chloropropane	209	77.1	209	UD
124-48-1	Dibromochloromethane	104	21.4	104	UD
106-93-4	1,2-Dibromoethane (EDB)	104	20.9	104	UD
74-95-3	Dibromomethane	104	29.2	104	UD
95-50-1	1,2-Dichlorobenzene	104	16.9	104	UD
541-73-1	1,3-Dichlorobenzene	104	16.8	104	UD
106-46-7	1,4-Dichlorobenzene	104	93.9	104	UD
75-71-8	Dichlorodifluoromethane (Freon12)	209	30.8	209	UD
75-34-3	1,1-Dichloroethane	104	33.0	104	UD
107-06-2	1,2-Dichloroethane	104	25.3	104	UD
75-35-4	1,1-Dichloroethene	104	32.3	104	UD
156-59-2	cis-1,2-Dichloroethene	46.9	38.4	104	JD
156-60-5	trans-1,2-Dichloroethene	104	44.9	104	UD
78-87-5	1,2-Dichloropropane	104	36.2	104	UD
142-28-9	1,3-Dichloropropane	104	20.4	104	UD
594-20-7	2,2-Dichloropropane	104	49.2	104	UD
563-58-6	1,1-Dichloropropene	104	26.0	104	UD
10061-01-5	cis-1,3-Dichloropropene	104	19.8	104	UD

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-06RE1	File ID:	2002706RE1.D		
Sampled:	04/06/16 12:10	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 18:07		
% Solids:	82.76	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	9.65 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	104	35.2	104	UD
100-41-4	Ethylbenzene	104	18.4	104	UD
87-68-3	Hexachlorobutadiene	104	20.4	104	UD
591-78-6	2-Hexanone (MBK)	1040	70.3	1040	UD
98-82-8	Isopropylbenzene	104	19.8	104	UD
99-87-6	4-Isopropyltoluene	104	13.1	104	UD
1634-04-4	Methyl tert-butyl ether	104	22.6	104	UD
108-10-1	4-Methyl-2-pentanone (MIBK)	1040	50.6	1040	UD
75-09-2	Methylene chloride	209	30.4	209	UD
91-20-3	Naphthalene	104	57.9	104	UD
103-65-1	n-Propylbenzene	104	15.8	104	UD
100-42-5	Styrene	104	17.9	104	UD
630-20-6	1,1,1,2-Tetrachloroethane	104	12.9	104	UD
79-34-5	1,1,2,2-Tetrachloroethane	104	56.7	104	UD
127-18-4	Tetrachloroethene	104	39.7	104	UD
108-88-3	Toluene	104	24.0	104	UD
87-61-6	1,2,3-Trichlorobenzene	104	59.7	104	UD
120-82-1	1,2,4-Trichlorobenzene	104	33.7	104	UD
71-55-6	1,1,1-Trichloroethane	104	26.9	104	UD
108-70-3	1,3,5-Trichlorobenzene	104	20.6	104	UD
79-00-5	1,1,2-Trichloroethane	104	20.1	104	UD
79-01-6	Trichloroethene	1700	16.0	104	D
75-69-4	Trichlorofluoromethane (Freon 11)	104	37.7	104	UD
96-18-4	1,2,3-Trichloropropane	104	33.1	104	UD
95-63-6	1,2,4-Trimethylbenzene	104	14.8	104	UD
108-67-8	1,3,5-Trimethylbenzene	104	13.2	104	UD
75-01-4	Vinyl chloride	104	39.6	104	UD
179601-23-1	m,p-Xylene	209	20.6	209	UD
95-47-6	o-Xylene	104	22.2	104	UD
109-99-9	Tetrahydrofuran	209	112	209	UD
60-29-7	Ethyl ether	104	24.1	104	UD
994-05-8	Tert-amyl methyl ether	104	39.7	104	UD
637-92-3	Ethyl tert-butyl ether	104	40.3	104	UD
108-20-3	Di-isopropyl ether	104	15.3	104	UD
75-65-0	Tert-Butanol / butyl alcohol	1040	441	1040	UD
110-57-6	trans-1,4-Dichloro-2-butene	522	135	522	UD
64-17-5	Ethanol	41700	2410	41700	UD
110-82-7	Cyclohexane	522	24.2	522	UD
1330-20-7	Total Xylenes	104	20.6	104	UD

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-06RE1	File ID:	2002706RE1.D		
Sampled:	04/06/16 12:10	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 18:07		
% Solids:	82.76	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	9.65 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
79-20-9	Methyl acetate	522	42.2	522	UD
108-87-2	Methylcyclohexane	522	24.7	522	UD
123-91-1	1,4-Dioxane	2090	1150	2090	UD

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-06RE1	File ID:	2002706RE1.D		
Sampled:	04/06/16 12:10	Prepared:	04/15/16 09:28	Analyzed:	04/15/16 18:07		
% Solids:	82.76	Preparation:	SW846 5035A Soil (high lev	Initial/Final:	9.65 g / 15 ml		
Batch:	1606326	Sequence:	S603071	Calibration:	1603012	Instrument:	HPV3
Reported to:	MRL	Dilution:	50				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	2002707.D
Sampled:	04/06/16 12:45	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 14:54
% Solids:	80.31	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	9.38 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.5	1.7	4.5	U
67-64-1	Acetone	45.4	5.0	45.4	U
107-13-1	Acrylonitrile	4.5	1.1	4.5	U
71-43-2	Benzene	4.5	0.7	4.5	U
108-86-1	Bromobenzene	4.5	0.8	4.5	U
74-97-5	Bromochloromethane	4.5	1.8	4.5	U
75-27-4	Bromodichloromethane	4.5	0.9	4.5	U
75-25-2	Bromoform	4.5	1.2	4.5	U
74-83-9	Bromomethane	9.1	2.2	9.1	U
78-93-3	2-Butanone (MEK)	45.4	2.6	45.4	U
104-51-8	n-Butylbenzene	4.5	0.7	4.5	U
135-98-8	sec-Butylbenzene	4.5	1.0	4.5	U
98-06-6	tert-Butylbenzene	4.5	1.9	4.5	U
75-15-0	Carbon disulfide	3.3	1.2	9.1	J
56-23-5	Carbon tetrachloride	4.5	1.0	4.5	U
108-90-7	Chlorobenzene	4.5	0.6	4.5	U
75-00-3	Chloroethane	9.1	1.6	9.1	U
67-66-3	Chloroform	4.5	1.5	4.5	U
74-87-3	Chloromethane	9.1	1.3	9.1	U
95-49-8	2-Chlorotoluene	4.5	1.2	4.5	U
106-43-4	4-Chlorotoluene	4.5	0.9	4.5	U
96-12-8	1,2-Dibromo-3-chloropropane	9.1	3.4	9.1	U
124-48-1	Dibromochloromethane	4.5	0.9	4.5	U
106-93-4	1,2-Dibromoethane (EDB)	4.5	0.9	4.5	U
74-95-3	Dibromomethane	4.5	1.3	4.5	U
95-50-1	1,2-Dichlorobenzene	4.5	0.7	4.5	U
541-73-1	1,3-Dichlorobenzene	4.5	0.7	4.5	U
106-46-7	1,4-Dichlorobenzene	4.5	0.8	4.5	U
75-71-8	Dichlorodifluoromethane (Freon12)	9.1	1.3	9.1	U
75-34-3	1,1-Dichloroethane	4.5	1.4	4.5	U
107-06-2	1,2-Dichloroethane	4.5	1.1	4.5	U
75-35-4	1,1-Dichloroethene	4.5	1.4	4.5	U
156-59-2	cis-1,2-Dichloroethene	4.5	1.7	4.5	U
156-60-5	trans-1,2-Dichloroethene	4.5	2.0	4.5	U
78-87-5	1,2-Dichloropropane	4.5	1.6	4.5	U
142-28-9	1,3-Dichloropropane	4.5	0.9	4.5	U
594-20-7	2,2-Dichloropropane	4.5	2.1	4.5	U
563-58-6	1,1-Dichloropropene	4.5	1.1	4.5	U
10061-01-5	cis-1,3-Dichloropropene	4.5	0.9	4.5	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	2002707.D
Sampled:	04/06/16 12:45	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 14:54
% Solids:	80.31	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	9.38 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Reported to:	MRL	Dilution:	1		

Instrument: HPV9

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.5	1.5	4.5	U
100-41-4	Ethylbenzene	4.5	0.8	4.5	U
87-68-3	Hexachlorobutadiene	4.5	0.9	4.5	U
591-78-6	2-Hexanone (MBK)	45.4	3.1	45.4	U
98-82-8	Isopropylbenzene	4.5	0.9	4.5	U
99-87-6	4-Isopropyltoluene	4.5	0.6	4.5	U
1634-04-4	Methyl tert-butyl ether	4.5	1.0	4.5	U
108-10-1	4-Methyl-2-pentanone (MIBK)	45.4	2.2	45.4	U
75-09-2	Methylene chloride	9.1	1.3	9.1	U
91-20-3	Naphthalene	4.5	2.5	4.5	U
103-65-1	n-Propylbenzene	4.5	0.7	4.5	U
100-42-5	Styrene	4.5	0.8	4.5	U
630-20-6	1,1,1,2-Tetrachloroethane	4.5	0.6	4.5	U
79-34-5	1,1,2,2-Tetrachloroethane	4.5	2.5	4.5	U
127-18-4	Tetrachloroethene	4.5	1.7	4.5	U
108-88-3	Toluene	4.5	1.0	4.5	U
87-61-6	1,2,3-Trichlorobenzene	4.5	2.6	4.5	U
120-82-1	1,2,4-Trichlorobenzene	4.5	1.5	4.5	U
71-55-6	1,1,1-Trichloroethane	4.5	1.2	4.5	U
108-70-3	1,3,5-Trichlorobenzene	4.5	0.9	4.5	U
79-00-5	1,1,2-Trichloroethane	4.5	0.9	4.5	U
79-01-6	Trichloroethene	4.7	0.7	4.5	
75-69-4	Trichlorofluoromethane (Freon 11)	4.5	1.6	4.5	U
96-18-4	1,2,3-Trichloropropane	4.5	1.4	4.5	U
95-63-6	1,2,4-Trimethylbenzene	4.5	0.6	4.5	U
108-67-8	1,3,5-Trimethylbenzene	4.5	0.6	4.5	U
75-01-4	Vinyl chloride	4.5	1.7	4.5	U
179601-23-1	m,p-Xylene	9.1	0.9	9.1	U
95-47-6	o-Xylene	4.5	1.0	4.5	U
109-99-9	Tetrahydrofuran	9.1	4.9	9.1	U
60-29-7	Ethyl ether	4.5	1.0	4.5	U
994-05-8	Tert-amyl methyl ether	4.5	1.7	4.5	U
637-92-3	Ethyl tert-butyl ether	4.5	1.8	4.5	U
108-20-3	Di-isopropyl ether	4.5	0.7	4.5	U
75-65-0	Tert-Butanol / butyl alcohol	45.4	19.2	45.4	U
110-57-6	trans-1,4-Dichloro-2-butene	22.7	5.9	22.7	U
110-82-7	Cyclohexane	22.7	1.1	22.7	U
1330-20-7	Total Xylenes	4.5	0.9	4.5	U
79-20-9	Methyl acetate	22.7	1.8	22.7	U J

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	2002707.D		
Sampled:	04/06/16 12:45	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 14:54		
% Solids:	80.31	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	9.38 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	1.1	1.1	22.7	J
123-91-1	1,4-Dioxane	90.9	50.1	90.9	U
64-17-5	Ethanol	1820	105	1820	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	2002707.D		
Sampled:	04/06/16 12:45	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 14:54		
% Solids:	80.31	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	9.38 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	2002708.D
Sampled:	04/06/16 13:10	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 15:24
% Solids:	87.40	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.25 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.2	1.6	4.2	U
67-64-1	Acetone	41.9	4.6	41.9	U
107-13-1	Acrylonitrile	4.2	1.0	4.2	U
71-43-2	Benzene	4.2	0.6	4.2	U
108-86-1	Bromobenzene	4.2	0.8	4.2	U
74-97-5	Bromochloromethane	4.2	1.7	4.2	U
75-27-4	Bromodichloromethane	4.2	0.9	4.2	U
75-25-2	Bromoform	4.2	1.1	4.2	U
74-83-9	Bromomethane	8.4	2.0	8.4	U
78-93-3	2-Butanone (MEK)	41.9	2.4	41.9	U
104-51-8	n-Butylbenzene	4.2	0.6	4.2	U
135-98-8	sec-Butylbenzene	4.2	0.9	4.2	U
98-06-6	tert-Butylbenzene	4.2	1.8	4.2	U
75-15-0	Carbon disulfide	8.4	1.1	8.4	U
56-23-5	Carbon tetrachloride	4.2	0.9	4.2	U
108-90-7	Chlorobenzene	4.2	0.6	4.2	U
75-00-3	Chloroethane	8.4	1.5	8.4	U
67-66-3	Chloroform	4.2	1.4	4.2	U
74-87-3	Chloromethane	8.4	1.2	8.4	U
95-49-8	2-Chlorotoluene	4.2	1.1	4.2	U
106-43-4	4-Chlorotoluene	4.2	0.8	4.2	U
96-12-8	1,2-Dibromo-3-chloropropane	8.4	3.1	8.4	U
124-48-1	Dibromochloromethane	4.2	0.9	4.2	U
106-93-4	1,2-Dibromoethane (EDB)	4.2	0.8	4.2	U
74-95-3	Dibromomethane	4.2	1.2	4.2	U
95-50-1	1,2-Dichlorobenzene	4.2	0.7	4.2	U
541-73-1	1,3-Dichlorobenzene	4.2	0.7	4.2	U
106-46-7	1,4-Dichlorobenzene	4.2	0.8	4.2	U
75-71-8	Dichlorodifluoromethane (Freon12)	8.4	1.2	8.4	U J
75-34-3	1,1-Dichloroethane	4.2	1.3	4.2	U
107-06-2	1,2-Dichloroethane	4.2	1.0	4.2	U
75-35-4	1,1-Dichloroethene	4.2	1.3	4.2	U
156-59-2	cis-1,2-Dichloroethene	4.2	1.5	4.2	U
156-60-5	trans-1,2-Dichloroethene	4.2	1.8	4.2	U
78-87-5	1,2-Dichloropropane	4.2	1.5	4.2	U
142-28-9	1,3-Dichloropropane	4.2	0.8	4.2	U
594-20-7	2,2-Dichloropropane	4.2	2.0	4.2	U
563-58-6	1,1-Dichloropropene	4.2	1.0	4.2	U
10061-01-5	cis-1,3-Dichloropropene	4.2	0.8	4.2	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	2002708.D
Sampled:	04/06/16 13:10	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 15:24
% Solids:	87.40	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.25 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.2	1.4	4.2	U
100-41-4	Ethylbenzene	4.2	0.7	4.2	U
87-68-3	Hexachlorobutadiene	4.2	0.8	4.2	U
591-78-6	2-Hexanone (MBK)	41.9	2.8	41.9	U
98-82-8	Isopropylbenzene	4.2	0.8	4.2	U
99-87-6	4-Isopropyltoluene	4.2	0.5	4.2	U
1634-04-4	Methyl tert-butyl ether	4.2	0.9	4.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	41.9	2.0	41.9	U
75-09-2	Methylene chloride	8.4	1.2	8.4	U
91-20-3	Naphthalene	4.2	2.3	4.2	U
103-65-1	n-Propylbenzene	4.2	0.6	4.2	U
100-42-5	Styrene	4.2	0.7	4.2	U
630-20-6	1,1,1,2-Tetrachloroethane	4.2	0.5	4.2	U
79-34-5	1,1,2,2-Tetrachloroethane	4.2	2.3	4.2	U
127-18-4	Tetrachloroethene	4.2	1.6	4.2	U
108-88-3	Toluene	4.2	1.0	4.2	U
87-61-6	1,2,3-Trichlorobenzene	4.2	2.4	4.2	U
120-82-1	1,2,4-Trichlorobenzene	4.2	1.4	4.2	U
71-55-6	1,1,1-Trichloroethane	4.2	1.1	4.2	U
108-70-3	1,3,5-Trichlorobenzene	4.2	0.8	4.2	U
79-00-5	1,1,2-Trichloroethane	4.2	0.8	4.2	U
79-01-6	Trichloroethene	4.2	0.6	4.2	U
75-69-4	Trichlorofluoromethane (Freon 11)	4.2	1.5	4.2	U
96-18-4	1,2,3-Trichloropropane	4.2	1.3	4.2	U
95-63-6	1,2,4-Trimethylbenzene	4.2	0.6	4.2	U
108-67-8	1,3,5-Trimethylbenzene	4.2	0.5	4.2	U
75-01-4	Vinyl chloride	4.2	1.6	4.2	U
179601-23-1	m,p-Xylene	8.4	0.8	8.4	U
95-47-6	o-Xylene	4.2	0.9	4.2	U
109-99-9	Tetrahydrofuran	8.4	4.5	8.4	U
60-29-7	Ethyl ether	4.2	1.0	4.2	U
994-05-8	Tert-amyl methyl ether	4.2	1.6	4.2	U
637-92-3	Ethyl tert-butyl ether	4.2	1.6	4.2	U
108-20-3	Di-isopropyl ether	4.2	0.6	4.2	U
75-65-0	Tert-Butanol / butyl alcohol	41.9	17.7	41.9	U
110-57-6	trans-1,4-Dichloro-2-butene	20.9	5.4	20.9	U
110-82-7	Cyclohexane	20.9	1.0	20.9	U
1330-20-7	Total Xylenes	4.2	0.8	4.2	U
79-20-9	Methyl acetate	20.9	1.7	20.9	U J

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	2002708.D		
Sampled:	04/06/16 13:10	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 15:24		
% Solids:	87.40	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.25 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	20.9	1.0	20.9	U
123-91-1	1,4-Dioxane	83.8	46.2	83.8	U
64-17-5	Ethanol	1680	96.6	1680	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	2002708.D		
Sampled:	04/06/16 13:10	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 15:24		
% Solids:	87.40	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.25 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	2002710.D
Sampled:	04/06/16 14:00	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 15:53
% Solids:	86.51	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.51 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	4.2	1.6	4.2	U
67-64-1	Acetone	41.8	4.6	41.8	U
107-13-1	Acrylonitrile	4.2	1.0	4.2	U
71-43-2	Benzene	4.2	0.6	4.2	U
108-86-1	Bromobenzene	4.2	0.8	4.2	U
74-97-5	Bromochloromethane	4.2	1.6	4.2	U
75-27-4	Bromodichloromethane	4.2	0.9	4.2	U
75-25-2	Bromoform	4.2	1.1	4.2	U
74-83-9	Bromomethane	8.4	2.0	8.4	U
78-93-3	2-Butanone (MEK)	41.8	2.4	41.8	U
104-51-8	n-Butylbenzene	4.2	0.6	4.2	U
135-98-8	sec-Butylbenzene	4.2	0.9	4.2	U
98-06-6	tert-Butylbenzene	4.2	1.8	4.2	U
75-15-0	Carbon disulfide	2.1	1.1	8.4	J
56-23-5	Carbon tetrachloride	4.2	0.9	4.2	U
108-90-7	Chlorobenzene	4.2	0.6	4.2	U
75-00-3	Chloroethane	8.4	1.4	8.4	U
67-66-3	Chloroform	4.2	1.4	4.2	U
74-87-3	Chloromethane	8.4	1.2	8.4	U
95-49-8	2-Chlorotoluene	4.2	1.1	4.2	U
106-43-4	4-Chlorotoluene	4.2	0.8	4.2	U
96-12-8	1,2-Dibromo-3-chloropropane	8.4	3.1	8.4	U
124-48-1	Dibromochloromethane	4.2	0.9	4.2	U
106-93-4	1,2-Dibromoethane (EDB)	4.2	0.8	4.2	U
74-95-3	Dibromomethane	4.2	1.2	4.2	U
95-50-1	1,2-Dichlorobenzene	4.2	0.7	4.2	U
541-73-1	1,3-Dichlorobenzene	4.2	0.7	4.2	U
106-46-7	1,4-Dichlorobenzene	4.2	0.8	4.2	U
75-71-8	Dichlorodifluoromethane (Freon12)	8.4	1.2	8.4	U
75-34-3	1,1-Dichloroethane	4.2	1.3	4.2	U
107-06-2	1,2-Dichloroethane	4.2	1.0	4.2	U
75-35-4	1,1-Dichloroethene	4.2	1.3	4.2	U
156-59-2	cis-1,2-Dichloroethene	4.2	1.5	4.2	U
156-60-5	trans-1,2-Dichloroethene	4.2	1.8	4.2	U
78-87-5	1,2-Dichloropropane	4.2	1.4	4.2	U
142-28-9	1,3-Dichloropropane	4.2	0.8	4.2	U
594-20-7	2,2-Dichloropropane	4.2	2.0	4.2	U
563-58-6	1,1-Dichloropropene	4.2	1.0	4.2	U
10061-01-5	cis-1,3-Dichloropropene	4.2	0.8	4.2	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	2002710.D
Sampled:	04/06/16 14:00	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 15:53
% Solids:	86.51	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.51 g / 5 ml
Batch:	1606215	Sequence:	S603017	Calibration:	1604002
Instrument:	HPV9				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	4.2	1.4	4.2	U
100-41-4	Ethylbenzene	4.2	0.7	4.2	U
87-68-3	Hexachlorobutadiene	4.2	0.8	4.2	U
591-78-6	2-Hexanone (MBK)	41.8	2.8	41.8	U
98-82-8	Isopropylbenzene	4.2	0.8	4.2	U
99-87-6	4-Isopropyltoluene	4.2	0.5	4.2	U
1634-04-4	Methyl tert-butyl ether	4.2	0.9	4.2	U
108-10-1	4-Methyl-2-pentanone (MIBK)	41.8	2.0	41.8	U
75-09-2	Methylene chloride	8.4	1.2	8.4	U
91-20-3	Naphthalene	4.2	2.3	4.2	U
103-65-1	n-Propylbenzene	4.2	0.6	4.2	U
100-42-5	Styrene	4.2	0.7	4.2	U
630-20-6	1,1,1,2-Tetrachloroethane	4.2	0.5	4.2	U
79-34-5	1,1,2,2-Tetrachloroethane	4.2	2.3	4.2	U
127-18-4	Tetrachloroethene	4.2	1.6	4.2	U
108-88-3	Toluene	4.2	1.0	4.2	U
87-61-6	1,2,3-Trichlorobenzene	4.2	2.4	4.2	U
120-82-1	1,2,4-Trichlorobenzene	4.2	1.3	4.2	U
71-55-6	1,1,1-Trichloroethane	4.2	1.1	4.2	U
108-70-3	1,3,5-Trichlorobenzene	4.2	0.8	4.2	U
79-00-5	1,1,2-Trichloroethane	4.2	0.8	4.2	U
79-01-6	Trichloroethene	4.2	0.6	4.2	U
75-69-4	Trichlorofluoromethane (Freon 11)	4.2	1.5	4.2	U
96-18-4	1,2,3-Trichloropropane	4.2	1.3	4.2	U
95-63-6	1,2,4-Trimethylbenzene	4.2	0.6	4.2	U
108-67-8	1,3,5-Trimethylbenzene	4.2	0.5	4.2	U
75-01-4	Vinyl chloride	4.2	1.6	4.2	U
179601-23-1	m,p-Xylene	8.4	0.8	8.4	U
95-47-6	o-Xylene	4.2	0.9	4.2	U
109-99-9	Tetrahydrofuran	8.4	4.5	8.4	U
60-29-7	Ethyl ether	4.2	1.0	4.2	U
994-05-8	Tert-amyl methyl ether	4.2	1.6	4.2	U
637-92-3	Ethyl tert-butyl ether	4.2	1.6	4.2	U
108-20-3	Di-isopropyl ether	4.2	0.6	4.2	U
75-65-0	Tert-Butanol / butyl alcohol	41.8	17.7	41.8	U
110-57-6	trans-1,4-Dichloro-2-butene	20.9	5.4	20.9	U
110-82-7	Cyclohexane	20.9	1.0	20.9	U
1330-20-7	Total Xylenes	4.2	0.8	4.2	U
79-20-9	Methyl acetate	20.9	1.7	20.9	U J

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	2002710.D		
Sampled:	04/06/16 14:00	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 15:53		
% Solids:	86.51	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.51 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
108-87-2	Methylcyclohexane	20.9	1.0	20.9	U
123-91-1	1,4-Dioxane	83.5	46.1	83.5	U
64-17-5	Ethanol	1670	96.3	1670	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	2002710.D		
Sampled:	04/06/16 14:00	Prepared:	04/14/16 09:30	Analyzed:	04/14/16 15:53		
% Solids:	86.51	Preparation:	SW846 5035A Soil (low lev	Initial/Final:	8.51 g / 5 ml		
Batch:	1606215	Sequence:	S603017	Calibration:	1604002	Instrument:	HPV9
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	2002711.D		
Sampled:	04/06/16 12:30	Prepared:	04/15/16 09:52	Analyzed:	04/15/16 16:21		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1606329	Sequence:	S603073	Calibration:	1604025	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1.0	0.9	1.0	U
67-64-1	Acetone	6.1	3.4	10.0	J
107-13-1	Acrylonitrile	0.5	0.4	0.5	U
71-43-2	Benzene	1.0	0.2	1.0	U
108-86-1	Bromobenzene	1.0	0.2	1.0	U
74-97-5	Bromochloromethane	1.0	0.5	1.0	U
75-27-4	Bromodichloromethane	0.5	0.2	0.5	U
75-25-2	Bromoform	1.0	0.4	1.0	U
74-83-9	Bromomethane	2.0	0.6	2.0	U
78-93-3	2-Butanone (MEK)	10.0	1.2	10.0	U
104-51-8	n-Butylbenzene	1.0	0.3	1.0	U
135-98-8	sec-Butylbenzene	1.0	0.3	1.0	U
98-06-6	tert-Butylbenzene	1.0	0.3	1.0	U
75-15-0	Carbon disulfide	2.0	0.3	2.0	U
56-23-5	Carbon tetrachloride	1.0	0.6	1.0	U
108-90-7	Chlorobenzene	1.0	0.2	1.0	U
75-00-3	Chloroethane	2.0	0.5	2.0	U
67-66-3	Chloroform	1.0	0.4	1.0	U
74-87-3	Chloromethane	2.0	0.4	2.0	U
95-49-8	2-Chlorotoluene	1.0	0.3	1.0	U
106-43-4	4-Chlorotoluene	1.0	0.3	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	0.9	2.0	U
124-48-1	Dibromochloromethane	0.5	0.2	0.5	U
106-93-4	1,2-Dibromoethane (EDB)	0.5	0.3	0.5	U
74-95-3	Dibromomethane	1.0	0.2	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	0.2	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	0.2	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	0.2	1.0	U
75-71-8	Dichlorodifluoromethane (Freon12)	2.0	0.8	2.0	U
75-34-3	1,1-Dichloroethane	1.0	0.3	1.0	U
107-06-2	1,2-Dichloroethane	1.0	0.3	1.0	U
75-35-4	1,1-Dichloroethene	1.0	0.4	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	0.2	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	0.3	1.0	U
78-87-5	1,2-Dichloropropane	1.0	0.3	1.0	U
142-28-9	1,3-Dichloropropane	1.0	0.2	1.0	U
594-20-7	2,2-Dichloropropane	1.0	0.7	1.0	U
563-58-6	1,1-Dichloropropene	1.0	0.4	1.0	U
10061-01-5	cis-1,3-Dichloropropene	0.5	0.3	0.5	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	2002711.D		
Sampled:	04/06/16 12:30	Prepared:	04/15/16 09:52	Analyzed:	04/15/16 16:21		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1606329	Sequence:	S603073	Calibration:	1604025	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
10061-02-6	trans-1,3-Dichloropropene	0.5	0.5	0.5	U
100-41-4	Ethylbenzene	1.0	0.2	1.0	U
87-68-3	Hexachlorobutadiene	0.5	0.4	0.5	U
591-78-6	2-Hexanone (MBK)	10.0	1.2	10.0	U
98-82-8	Isopropylbenzene	1.0	0.3	1.0	U
99-87-6	4-Isopropyltoluene	1.0	0.4	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	0.3	1.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	10.0	0.9	10.0	U
75-09-2	Methylene chloride	1.2	0.8	2.0	J
91-20-3	Naphthalene	1.0	0.3	1.0	U
103-65-1	n-Propylbenzene	1.0	0.3	1.0	U
100-42-5	Styrene	1.0	0.4	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	0.6	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.3	0.5	U
127-18-4	Tetrachloroethene	1.0	0.6	1.0	U
108-88-3	Toluene	1.0	0.3	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	0.5	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	0.4	1.0	U
108-70-3	1,3,5-Trichlorobenzene	1.0	0.3	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	0.5	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	0.2	1.0	U
79-01-6	Trichloroethene	1.0	0.4	1.0	U
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	0.6	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	0.3	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	0.3	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	0.2	1.0	U
75-01-4	Vinyl chloride	1.0	0.5	1.0	U
179601-23-1	m,p-Xylene	2.0	0.3	2.0	U
95-47-6	o-Xylene	1.0	0.5	1.0	U
109-99-9	Tetrahydrofuran	2.0	0.9	2.0	U
60-29-7	Ethyl ether	1.0	0.4	1.0	U
994-05-8	Tert-amyl methyl ether	1.0	0.5	1.0	U
637-92-3	Ethyl tert-butyl ether	1.0	0.2	1.0	U
108-20-3	Di-isopropyl ether	1.0	0.2	1.0	U
75-65-0	Tert-Butanol / butyl alcohol	10.0	6.0	10.0	U
123-91-1	1,4-Dioxane	20.0	12.7	20.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	3.1	5.0	U
64-17-5	Ethanol	400	23.6	400	U
1330-20-7	Total Xylenes	1.0	0.3	1.0	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	2002711.D		
Sampled:	04/06/16 12:30	Prepared:	04/15/16 09:52	Analyzed:	04/15/16 16:21		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1606329	Sequence:	S603073	Calibration:	1604025	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
110-82-7	Cyclohexane	5.0	4.7	5.0	U
79-20-9	Methyl acetate	5.0	0.6	5.0	U
108-87-2	Methylcyclohexane	5.0	4.2	5.0	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C TICs

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	2002711.D		
Sampled:	04/06/16 12:30	Prepared:	04/15/16 09:52	Analyzed:	04/15/16 16:21		
% Solids:		Preparation:	SW846 5030 Water MS	Initial/Final:	5 ml / 5 ml		
Batch:	1606329	Sequence:	S603073	Calibration:	1604025	Instrument:	HPV8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	C2002701.D
Sampled:	04/06/16 10:30	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 12:12
% Solids:	84.55	Preparation:	SW846 3545A	Initial/Final:	30.2936 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	78.1	51.8	78.1	U
208-96-8	Acenaphthylene	78.1	52.4	78.1	U
62-53-3	Aniline	387	53.4	387	U
120-12-7	Anthracene	78.1	50.9	78.1	U
103-33-3	Azobenzene/Diphenyldiazene	387	48.0	387	U
92-87-5	Benzidine	387	166	387	U
56-55-3	Benzo (a) anthracene	78.1	43.7	78.1	U
50-32-8	Benzo (a) pyrene	78.1	47.8	78.1	U
205-99-2	Benzo (b) fluoranthene	78.1	43.0	78.1	U
191-24-2	Benzo (g,h,i) perylene	78.1	46.9	78.1	U
207-08-9	Benzo (k) fluoranthene	78.1	54.4	78.1	U
65-85-0	Benzoic acid	387	92.9	387	U
100-51-6	Benzyl alcohol	387	39.6	387	U
111-91-1	Bis(2-chloroethoxy)methane	387	45.3	387	U
111-44-4	Bis(2-chloroethyl)ether	196	43.7	196	U
108-60-1	Bis(2-chloroisopropyl)ether	196	44.9	196	U
117-81-7	Bis(2-ethylhexyl)phthalate	196	46.0	196	U
101-55-3	4-Bromophenyl phenyl ether	387	45.1	387	U
85-68-7	Butyl benzyl phthalate	387	48.4	387	U
86-74-8	Carbazole	196	51.1	196	U
59-50-7	4-Chloro-3-methylphenol	387	57.7	387	U
106-47-8	4-Chloroaniline	196	56.8	196	U
91-58-7	2-Chloronaphthalene	387	49.4	387	U
95-57-8	2-Chlorophenol	196	44.8	196	U
7005-72-3	4-Chlorophenyl phenyl ether	387	51.5	387	U
218-01-9	Chrysene	78.1	40.2	78.1	U
53-70-3	Dibenzo (a,h) anthracene	78.1	55.4	78.1	U
132-64-9	Dibenzofuran	196	50.4	196	U
95-50-1	1,2-Dichlorobenzene	387	48.5	387	U
541-73-1	1,3-Dichlorobenzene	387	43.2	387	U
106-46-7	1,4-Dichlorobenzene	387	45.9	387	U
91-94-1	3,3´-Dichlorobenzidine	387	56.5	387	U
120-83-2	2,4-Dichlorophenol	196	48.7	196	U
84-66-2	Diethyl phthalate	387	47.1	387	U
131-11-3	Dimethyl phthalate	387	45.6	387	U
105-67-9	2,4-Dimethylphenol	387	44.8	387	U
84-74-2	Di-n-butyl phthalate	387	48.0	387	U
534-52-1	4,6-Dinitro-2-methylphenol	387	58.4	387	U
51-28-5	2,4-Dinitrophenol	387	68.2	387	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	C2002701.D
Sampled:	04/06/16 10:30	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 12:12
% Solids:	84.55	Preparation:	SW846 3545A	Initial/Final:	30.2936 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	196	58.8	196	U
606-20-2	2,6-Dinitrotoluene	196	47.5	196	U
117-84-0	Di-n-octyl phthalate	387	56.7	387	U
206-44-0	Fluoranthene	78.1	43.8	78.1	U
86-73-7	Fluorene	78.1	48.4	78.1	U
118-74-1	Hexachlorobenzene	196	45.6	196	U
87-68-3	Hexachlorobutadiene	196	48.3	196	U
77-47-4	Hexachlorocyclopentadiene	196	70.5	196	U
67-72-1	Hexachloroethane	196	43.0	196	U
193-39-5	Indeno (1,2,3-cd) pyrene	78.1	52.0	78.1	U
78-59-1	Isophorone	196	44.7	196	U
91-57-6	2-Methylnaphthalene	78.1	47.1	78.1	U
95-48-7	2-Methylphenol	387	45.4	387	U
108-39-4, 106-44	3 & 4-Methylphenol	387	45.7	387	U
91-20-3	Naphthalene	78.1	46.9	78.1	U
88-74-4	2-Nitroaniline	387	64.8	387	U
99-09-2	3-Nitroaniline	387	69.6	387	U
100-01-6	4-Nitroaniline	196	77.0	196	U
98-95-3	Nitrobenzene	196	47.4	196	U
88-75-5	2-Nitrophenol	196	50.4	196	U
100-02-7	4-Nitrophenol	1550	49.1	1550	U
62-75-9	N-Nitrosodimethylamine	196	44.3	196	U
621-64-7	N-Nitrosodi-n-propylamine	196	45.8	196	U
86-30-6	N-Nitrosodiphenylamine	387	53.7	387	U
87-86-5	Pentachlorophenol	387	63.1	387	U
85-01-8	Phenanthrene	78.1	47.1	78.1	U
108-95-2	Phenol	387	46.4	387	U
129-00-0	Pyrene	78.1	40.9	78.1	U
110-86-1	Pyridine	387	48.8	387	U
120-82-1	1,2,4-Trichlorobenzene	387	46.2	387	U
90-12-0	1-Methylnaphthalene	78.1	48.4	78.1	U
95-95-4	2,4,5-Trichlorophenol	387	48.9	387	U
88-06-2	2,4,6-Trichlorophenol	196	46.8	196	U
82-68-8	Pentachloronitrobenzene	387	52.1	387	U
95-94-3	1,2,4,5-Tetrachlorobenzene	387	53.4	387	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	C2002701.D		
Sampled:	04/06/16 10:30	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 12:12		
% Solids:	84.55	Preparation:	SW846 3545A	Initial/Final:	30.2936 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
141-79-7	3-Penten-2-one, 4-methyl-	2.791	830	JN
000301-02-0	9-Octadecenamide, (Z)-	16.159	1500	JN
080655-44-3	Decahydro-4,4,8,9,10-pentam... (01)	8.105	410	JN

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	C2002702.D
Sampled:	04/06/16 10:50	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 12:41
% Solids:	75.00	Preparation:	SW846 3545A	Initial/Final:	30.1818 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	10		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	1500	586	884	
208-96-8	Acenaphthylene	884	592	884	U
62-53-3	Aniline	4370	605	4370	U J
120-12-7	Anthracene	2000	575	884	
103-33-3	Azobenzene/Diphenyldiazene	4370	543	4370	U
92-87-5	Benzidine	4370	1880	4370	U
56-55-3	Benzo (a) anthracene	4840	494	884	
50-32-8	Benzo (a) pyrene	4890	541	884	
205-99-2	Benzo (b) fluoranthene	5390	487	884	
191-24-2	Benzo (g,h,i) perylene	2220	531	884	
207-08-9	Benzo (k) fluoranthene	2120	615	884	
65-85-0	Benzoic acid	4370	1050	4370	U J
100-51-6	Benzyl alcohol	4370	448	4370	J U
111-91-1	Bis(2-chloroethoxy)methane	4370	512	4370	U
111-44-4	Bis(2-chloroethyl)ether	2210	495	2210	U
108-60-1	Bis(2-chloroisopropyl)ether	2210	508	2210	U
117-81-7	Bis(2-ethylhexyl)phthalate	2210	521	2210	U
101-55-3	4-Bromophenyl phenyl ether	4370	510	4370	U
85-68-7	Butyl benzyl phthalate	4370	548	4370	U
86-74-8	Carbazole	1370	578	2210	J
59-50-7	4-Chloro-3-methylphenol	4370	653	4370	U J
106-47-8	4-Chloroaniline	2210	642	2210	U
91-58-7	2-Chloronaphthalene	4370	559	4370	U
95-57-8	2-Chlorophenol	2210	507	2210	U
7005-72-3	4-Chlorophenyl phenyl ether	4370	583	4370	U
218-01-9	Chrysene	5360	455	884	
53-70-3	Dibenzo (a,h) anthracene	720	627	884	J
132-64-9	Dibenzofuran	649	570	2210	J
95-50-1	1,2-Dichlorobenzene	4370	549	4370	U
541-73-1	1,3-Dichlorobenzene	4370	489	4370	U J
106-46-7	1,4-Dichlorobenzene	4370	519	4370	U
91-94-1	3,3´-Dichlorobenzidine	4370	639	4370	U
120-83-2	2,4-Dichlorophenol	2210	552	2210	U
84-66-2	Diethyl phthalate	4370	533	4370	U
131-11-3	Dimethyl phthalate	4370	516	4370	U
105-67-9	2,4-Dimethylphenol	4370	507	4370	U
84-74-2	Di-n-butyl phthalate	4370	543	4370	U
534-52-1	4,6-Dinitro-2-methylphenol	4370	661	4370	U
51-28-5	2,4-Dinitrophenol	4370	771	4370	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	C2002702.D
Sampled:	04/06/16 10:50	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 12:41
% Solids:	75.00	Preparation:	SW846 3545A	Initial/Final:	30.1818 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	10		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	2210	665	2210	U
606-20-2	2,6-Dinitrotoluene	2210	538	2210	U
117-84-0	Di-n-octyl phthalate	4370	642	4370	U
206-44-0	Fluoranthene	10800	496	884	
86-73-7	Fluorene	1200	548	884	
118-74-1	Hexachlorobenzene	2210	516	2210	U
87-68-3	Hexachlorobutadiene	2210	547	2210	U
77-47-4	Hexachlorocyclopentadiene	2210	798	2210	U
67-72-1	Hexachloroethane	2210	486	2210	U
193-39-5	Indeno (1,2,3-cd) pyrene	2850	588	884	
78-59-1	Isophorone	2210	506	2210	U
91-57-6	2-Methylnaphthalene	884	532	884	U
95-48-7	2-Methylphenol	4370	513	4370	U
108-39-4, 106-44	3 & 4-Methylphenol	4370	517	4370	U
91-20-3	Naphthalene	577	531	884	J
88-74-4	2-Nitroaniline	4370	733	4370	U
99-09-2	3-Nitroaniline	4370	787	4370	U
100-01-6	4-Nitroaniline	2210	871	2210	U
98-95-3	Nitrobenzene	2210	536	2210	U
88-75-5	2-Nitrophenol	2210	570	2210	U
100-02-7	4-Nitrophenol	17500	556	17500	U
62-75-9	N-Nitrosodimethylamine	2210	501	2210	U
621-64-7	N-Nitrosodi-n-propylamine	2210	519	2210	U
86-30-6	N-Nitrosodiphenylamine	4370	607	4370	U
87-86-5	Pentachlorophenol	4370	714	4370	U
85-01-8	Phenanthrene	8690	533	884	
108-95-2	Phenol	4370	525	4370	U
129-00-0	Pyrene	9780	463	884	
110-86-1	Pyridine	4370	552	4370	U
120-82-1	1,2,4-Trichlorobenzene	4370	523	4370	U
90-12-0	1-Methylnaphthalene	884	548	884	U
95-95-4	2,4,5-Trichlorophenol	4370	554	4370	U
88-06-2	2,4,6-Trichlorophenol	2210	530	2210	U
82-68-8	Pentachloronitrobenzene	4370	590	4370	U
95-94-3	1,2,4,5-Tetrachlorobenzene	4370	605	4370	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	C2002702.D		
Sampled:	04/06/16 10:50	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 12:41		
% Solids:	75.00	Preparation:	SW846 3545A	Initial/Final:	30.1818 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	10				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	C2002704.D		
Sampled:	04/06/16 11:20	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 14:07		
% Solids:	78.67	Preparation:	SW846 3545A	Initial/Final:	30.1871 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	10				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	770	558	843	J
208-96-8	Acenaphthylene	843	565	843	U
62-53-3	Aniline	4170	576	4170	U J
120-12-7	Anthracene	568	548	843	J
103-33-3	Azobenzene/Diphenyldiazene	4170	518	4170	U
92-87-5	Benzidine	4170	1790	4170	U
56-55-3	Benzo (a) anthracene	843	471	843	U
50-32-8	Benzo (a) pyrene	843	516	843	U
205-99-2	Benzo (b) fluoranthene	843	464	843	U
191-24-2	Benzo (g,h,i) perylene	843	506	843	U
207-08-9	Benzo (k) fluoranthene	843	586	843	U
65-85-0	Benzoic acid	4170	1000	4170	U J
100-51-6	Benzyl alcohol	4170	427	4170	J U
111-91-1	Bis(2-chloroethoxy)methane	4170	488	4170	U
111-44-4	Bis(2-chloroethyl)ether	2110	472	2110	U
108-60-1	Bis(2-chloroisopropyl)ether	2110	485	2110	U
117-81-7	Bis(2-ethylhexyl)phthalate	2110	496	2110	U
101-55-3	4-Bromophenyl phenyl ether	4170	486	4170	U
85-68-7	Butyl benzyl phthalate	4170	522	4170	U
86-74-8	Carbazole	2110	551	2110	U
59-50-7	4-Chloro-3-methylphenol	4170	623	4170	U J
106-47-8	4-Chloroaniline	2110	612	2110	U
91-58-7	2-Chloronaphthalene	4170	533	4170	U
95-57-8	2-Chlorophenol	2110	483	2110	U
7005-72-3	4-Chlorophenyl phenyl ether	4170	555	4170	U
218-01-9	Chrysene	843	433	843	U
53-70-3	Dibenzo (a,h) anthracene	843	597	843	U
132-64-9	Dibenzofuran	2110	544	2110	U
95-50-1	1,2-Dichlorobenzene	4170	523	4170	U
541-73-1	1,3-Dichlorobenzene	4170	466	4170	U J
106-46-7	1,4-Dichlorobenzene	4170	495	4170	U
91-94-1	3,3´-Dichlorobenzidine	4170	609	4170	U
120-83-2	2,4-Dichlorophenol	2110	526	2110	U
84-66-2	Diethyl phthalate	4170	508	4170	U
131-11-3	Dimethyl phthalate	4170	492	4170	U
105-67-9	2,4-Dimethylphenol	4170	484	4170	U
84-74-2	Di-n-butyl phthalate	4170	517	4170	U
534-52-1	4,6-Dinitro-2-methylphenol	4170	630	4170	U
51-28-5	2,4-Dinitrophenol	4170	735	4170	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	C2002704.D		
Sampled:	04/06/16 11:20	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 14:07		
% Solids:	78.67	Preparation:	SW846 3545A	Initial/Final:	30.1871 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	10				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	2110	634	2110	U J
606-20-2	2,6-Dinitrotoluene	2110	513	2110	U
117-84-0	Di-n-octyl phthalate	4170	612	4170	U
206-44-0	Fluoranthene	644	472	843	J
86-73-7	Fluorene	1800	522	843	
118-74-1	Hexachlorobenzene	2110	492	2110	U
87-68-3	Hexachlorobutadiene	2110	521	2110	U J
77-47-4	Hexachlorocyclopentadiene	2110	760	2110	U J
67-72-1	Hexachloroethane	2110	464	2110	U
193-39-5	Indeno (1,2,3-cd) pyrene	843	560	843	U
78-59-1	Isophorone	2110	482	2110	U
91-57-6	2-Methylnaphthalene	843	507	843	U
95-48-7	2-Methylphenol	4170	489	4170	U
108-39-4, 106-44	3 & 4-Methylphenol	4170	493	4170	U
91-20-3	Naphthalene	843	506	843	U
88-74-4	2-Nitroaniline	4170	699	4170	U
99-09-2	3-Nitroaniline	4170	750	4170	U
100-01-6	4-Nitroaniline	2110	831	2110	U
98-95-3	Nitrobenzene	2110	511	2110	U
88-75-5	2-Nitrophenol	2110	543	2110	U
100-02-7	4-Nitrophenol	16700	530	16700	U
62-75-9	N-Nitrosodimethylamine	2110	477	2110	U J
621-64-7	N-Nitrosodi-n-propylamine	2110	494	2110	U
86-30-6	N-Nitrosodiphenylamine	4170	579	4170	U
87-86-5	Pentachlorophenol	4170	681	4170	U
85-01-8	Phenanthrene	4520	508	843	
108-95-2	Phenol	4170	500	4170	U J
129-00-0	Pyrene	905	441	843	
110-86-1	Pyridine	4170	526	4170	U J
120-82-1	1,2,4-Trichlorobenzene	4170	498	4170	U
90-12-0	1-Methylnaphthalene	1720	522	843	J
95-95-4	2,4,5-Trichlorophenol	4170	528	4170	U
88-06-2	2,4,6-Trichlorophenol	2110	505	2110	U
82-68-8	Pentachloronitrobenzene	4170	562	4170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	4170	576	4170	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	C2002704.D		
Sampled:	04/06/16 11:20	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 14:07		
% Solids:	78.67	Preparation:	SW846 3545A	Initial/Final:	30.1871 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	10				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
000949-41-7	1H-Cyclopropa[l]phenanthren...	11.296	6800	JN
080655-44-3	Decahydro-4,4,8,9,10-pentam...	8.111	9300	JN
000575-41-7	Naphthalene, 1,3-dimethyl- (01)	8.439	12000	JN
002131-42-2	Naphthalene, 1,4,6-trimethyl-	9.001	15000	JN
002245-38-7	Naphthalene, 1,6,7-trimethyl- (03)	9.26	18000	JN
000581-40-8	Naphthalene, 2,3-dimethyl-	8.354	13000	JN
054774-89-9	Naphthalene, 2-methyl-1-pro...	9.584	8800	JN
003674-66-6	Phenanthrene, 2,5-dimethyl-	11.992	6600	JN
NA	Undecane, 2,5-dimethyl-	9.748	25000	JN
17301-23-4	Undecane, 2,6-dimethyl-	6.797	8600	JN

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	C2002705.D
Sampled:	04/06/16 11:45	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 14:35
% Solids:	88.23	Preparation:	SW846 3545A	Initial/Final:	30.2766 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	5		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	375	248	375	U
208-96-8	Acenaphthylene	375	251	375	U
62-53-3	Aniline	1850	256	1850	U J
120-12-7	Anthracene	375	244	375	U
103-33-3	Azobenzene/Diphenyldiazene	1850	230	1850	U
92-87-5	Benzidine	1850	798	1850	U
56-55-3	Benzo (a) anthracene	375	210	375	U
50-32-8	Benzo (a) pyrene	375	229	375	U
205-99-2	Benzo (b) fluoranthene	375	206	375	U
191-24-2	Benzo (g,h,i) perylene	375	225	375	U
207-08-9	Benzo (k) fluoranthene	375	261	375	U
65-85-0	Benzoic acid	1850	446	1850	U J
100-51-6	Benzyl alcohol	1850	190	1850	U J
111-91-1	Bis(2-chloroethoxy)methane	1850	217	1850	U
111-44-4	Bis(2-chloroethyl)ether	938	210	938	U
108-60-1	Bis(2-chloroisopropyl)ether	938	215	938	U
117-81-7	Bis(2-ethylhexyl)phthalate	938	221	938	U
101-55-3	4-Bromophenyl phenyl ether	1850	216	1850	U
85-68-7	Butyl benzyl phthalate	1850	232	1850	U
86-74-8	Carbazole	938	245	938	U
59-50-7	4-Chloro-3-methylphenol	1850	277	1850	U J
106-47-8	4-Chloroaniline	938	272	938	U
91-58-7	2-Chloronaphthalene	1850	237	1850	U
95-57-8	2-Chlorophenol	938	215	938	U
7005-72-3	4-Chlorophenyl phenyl ether	1850	247	1850	U
218-01-9	Chrysene	375	193	375	U
53-70-3	Dibenzo (a,h) anthracene	375	266	375	U
132-64-9	Dibenzofuran	938	242	938	U
95-50-1	1,2-Dichlorobenzene	1850	233	1850	U
541-73-1	1,3-Dichlorobenzene	1850	207	1850	U J
106-46-7	1,4-Dichlorobenzene	1850	220	1850	U
91-94-1	3,3´-Dichlorobenzidine	1850	271	1850	U
120-83-2	2,4-Dichlorophenol	938	234	938	U
84-66-2	Diethyl phthalate	1850	226	1850	U
131-11-3	Dimethyl phthalate	1850	219	1850	U
105-67-9	2,4-Dimethylphenol	1850	215	1850	U
84-74-2	Di-n-butyl phthalate	1850	230	1850	U
534-52-1	4,6-Dinitro-2-methylphenol	1850	280	1850	U
51-28-5	2,4-Dinitrophenol	1850	327	1850	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	C2002705.D
Sampled:	04/06/16 11:45	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 14:35
% Solids:	88.23	Preparation:	SW846 3545A	Initial/Final:	30.2766 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	5		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	938	282	938	U J
606-20-2	2,6-Dinitrotoluene	938	228	938	U
117-84-0	Di-n-octyl phthalate	1850	272	1850	U
206-44-0	Fluoranthene	375	210	375	U
86-73-7	Fluorene	315	232	375	J
118-74-1	Hexachlorobenzene	938	219	938	U
87-68-3	Hexachlorobutadiene	938	232	938	U J
77-47-4	Hexachlorocyclopentadiene	938	338	938	U J
67-72-1	Hexachloroethane	938	206	938	U
193-39-5	Indeno (1,2,3-cd) pyrene	375	249	375	U
78-59-1	Isophorone	938	214	938	U
91-57-6	2-Methylnaphthalene	375	226	375	U
95-48-7	2-Methylphenol	1850	218	1850	U
108-39-4, 106-44	3 & 4-Methylphenol	1850	219	1850	U
91-20-3	Naphthalene	375	225	375	U
88-74-4	2-Nitroaniline	1850	311	1850	U
99-09-2	3-Nitroaniline	1850	334	1850	U
100-01-6	4-Nitroaniline	938	369	938	U
98-95-3	Nitrobenzene	938	227	938	U
88-75-5	2-Nitrophenol	938	241	938	U
100-02-7	4-Nitrophenol	7410	236	7410	U
62-75-9	N-Nitrosodimethylamine	938	212	938	U J
621-64-7	N-Nitrosodi-n-propylamine	938	220	938	U
86-30-6	N-Nitrosodiphenylamine	1850	257	1850	U
87-86-5	Pentachlorophenol	1850	303	1850	U
85-01-8	Phenanthrene	375	226	375	U
108-95-2	Phenol	1850	222	1850	U J
129-00-0	Pyrene	375	196	375	U
110-86-1	Pyridine	1850	234	1850	U J
120-82-1	1,2,4-Trichlorobenzene	1850	222	1850	U
90-12-0	1-Methylnaphthalene	375	232	375	U
95-95-4	2,4,5-Trichlorophenol	1850	235	1850	U
88-06-2	2,4,6-Trichlorophenol	938	225	938	U
82-68-8	Pentachloronitrobenzene	1850	250	1850	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1850	256	1850	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	C2002705.D		
Sampled:	04/06/16 11:45	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 14:35		
% Solids:	88.23	Preparation:	SW846 3545A	Initial/Final:	30.2766 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	5				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
054676-39-0	Cyclohexane, 2-butyl-1,1,3-...	6.922	2100	JN
6044-71-9	Dodecane, 6-methyl-	6.797	2000	JN
002245-38-7	Naphthalene, 1,6,7-trimethyl-	9.25	2600	JN

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	C2002706.D
Sampled:	04/06/16 12:10	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 15:04
% Solids:	82.76	Preparation:	SW846 3545A	Initial/Final:	30.0672 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	80.4	53.3	80.4	U
208-96-8	Acenaphthylene	80.4	53.9	80.4	U
62-53-3	Aniline	398	55.0	398	U J
120-12-7	Anthracene	80.4	52.3	80.4	U
103-33-3	Azobenzene/Diphenyldiazene	398	49.4	398	U
92-87-5	Benzidine	398	171	398	U
56-55-3	Benzo (a) anthracene	80.4	45.0	80.4	U
50-32-8	Benzo (a) pyrene	80.4	49.2	80.4	U
205-99-2	Benzo (b) fluoranthene	80.4	44.3	80.4	U
191-24-2	Benzo (g,h,i) perylene	80.4	48.3	80.4	U
207-08-9	Benzo (k) fluoranthene	80.4	55.9	80.4	U
65-85-0	Benzoic acid	398	95.7	398	U J
100-51-6	Benzyl alcohol	398	40.7	398	U J
111-91-1	Bis(2-chloroethoxy)methane	398	46.6	398	U
111-44-4	Bis(2-chloroethyl)ether	201	45.0	201	U
108-60-1	Bis(2-chloroisopropyl)ether	201	46.2	201	U
117-81-7	Bis(2-ethylhexyl)phthalate	201	47.4	201	U
101-55-3	4-Bromophenyl phenyl ether	398	46.4	398	U
85-68-7	Butyl benzyl phthalate	398	49.8	398	U
86-74-8	Carbazole	201	52.6	201	U
59-50-7	4-Chloro-3-methylphenol	398	59.4	398	U J
106-47-8	4-Chloroaniline	201	58.4	201	U
91-58-7	2-Chloronaphthalene	398	50.9	398	U
95-57-8	2-Chlorophenol	201	46.1	201	U
7005-72-3	4-Chlorophenyl phenyl ether	398	53.0	398	U
218-01-9	Chrysene	80.4	41.4	80.4	U
53-70-3	Dibenzo (a,h) anthracene	80.4	57.0	80.4	U
132-64-9	Dibenzofuran	201	51.9	201	U
95-50-1	1,2-Dichlorobenzene	398	49.9	398	U
541-73-1	1,3-Dichlorobenzene	398	44.5	398	U J
106-46-7	1,4-Dichlorobenzene	398	47.2	398	U
91-94-1	3,3´-Dichlorobenzidine	398	58.2	398	U
120-83-2	2,4-Dichlorophenol	201	50.2	201	U
84-66-2	Diethyl phthalate	398	48.5	398	U
131-11-3	Dimethyl phthalate	398	47.0	398	U
105-67-9	2,4-Dimethylphenol	398	46.1	398	U
84-74-2	Di-n-butyl phthalate	398	49.4	398	U
534-52-1	4,6-Dinitro-2-methylphenol	398	60.1	398	U
51-28-5	2,4-Dinitrophenol	398	70.2	398	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	C2002706.D
Sampled:	04/06/16 12:10	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 15:04
% Solids:	82.76	Preparation:	SW846 3545A	Initial/Final:	30.0672 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	201	60.5	201	U J
606-20-2	2,6-Dinitrotoluene	201	48.9	201	U
117-84-0	Di-n-octyl phthalate	398	58.4	398	U
206-44-0	Fluoranthene	80.4	45.1	80.4	U
86-73-7	Fluorene	80.4	49.8	80.4	U
118-74-1	Hexachlorobenzene	201	47.0	201	U
87-68-3	Hexachlorobutadiene	201	49.7	201	U J
77-47-4	Hexachlorocyclopentadiene	201	72.6	201	U J
67-72-1	Hexachloroethane	201	44.2	201	U
193-39-5	Indeno (1,2,3-cd) pyrene	80.4	53.5	80.4	U
78-59-1	Isophorone	201	46.0	201	U
91-57-6	2-Methylnaphthalene	80.4	48.4	80.4	U
95-48-7	2-Methylphenol	398	46.7	398	U
108-39-4, 106-44	3 & 4-Methylphenol	398	47.1	398	U
91-20-3	Naphthalene	80.4	48.3	80.4	U
88-74-4	2-Nitroaniline	398	66.7	398	U
99-09-2	3-Nitroaniline	398	71.6	398	U
100-01-6	4-Nitroaniline	201	79.3	201	U
98-95-3	Nitrobenzene	201	48.8	201	U
88-75-5	2-Nitrophenol	201	51.8	201	U
100-02-7	4-Nitrophenol	1590	50.6	1590	U
62-75-9	N-Nitrosodimethylamine	201	45.6	201	U J
621-64-7	N-Nitrosodi-n-propylamine	201	47.2	201	U
86-30-6	N-Nitrosodiphenylamine	398	55.2	398	U
87-86-5	Pentachlorophenol	398	65.0	398	U
85-01-8	Phenanthrene	80.4	48.5	80.4	U
108-95-2	Phenol	398	47.8	398	U J
129-00-0	Pyrene	80.4	42.1	80.4	U
110-86-1	Pyridine	398	50.2	398	U J
120-82-1	1,2,4-Trichlorobenzene	398	47.6	398	U
90-12-0	1-Methylnaphthalene	80.4	49.8	80.4	U
95-95-4	2,4,5-Trichlorophenol	398	50.4	398	U
88-06-2	2,4,6-Trichlorophenol	201	48.2	201	U
82-68-8	Pentachloronitrobenzene	398	53.7	398	U
95-94-3	1,2,4,5-Tetrachlorobenzene	398	55.0	398	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	C2002706.D		
Sampled:	04/06/16 12:10	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 15:04		
% Solids:	82.76	Preparation:	SW846 3545A	Initial/Final:	30.0672 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	C2002707.D
Sampled:	04/06/16 12:45	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 15:32
% Solids:	80.31	Preparation:	SW846 3545A	Initial/Final:	30.9633 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	161	107	161	U
208-96-8	Acenaphthylene	161	108	161	U
62-53-3	Aniline	796	110	796	U J
120-12-7	Anthracene	161	105	161	U
103-33-3	Azobenzene/Diphenyldiazene	796	98.9	796	U
92-87-5	Benzidine	796	343	796	U
56-55-3	Benzo (a) anthracene	161	90.0	161	U
50-32-8	Benzo (a) pyrene	161	98.6	161	U
205-99-2	Benzo (b) fluoranthene	161	88.7	161	U
191-24-2	Benzo (g,h,i) perylene	161	96.7	161	U
207-08-9	Benzo (k) fluoranthene	161	112	161	U
65-85-0	Benzoic acid	796	191	796	U J
100-51-6	Benzyl alcohol	796	81.5	796	U J
111-91-1	Bis(2-chloroethoxy)methane	796	93.3	796	U
111-44-4	Bis(2-chloroethyl)ether	403	90.1	403	U
108-60-1	Bis(2-chloroisopropyl)ether	403	92.6	403	U
117-81-7	Bis(2-ethylhexyl)phthalate	403	94.8	403	U
101-55-3	4-Bromophenyl phenyl ether	796	92.8	796	U
85-68-7	Butyl benzyl phthalate	796	99.7	796	U
86-74-8	Carbazole	403	105	403	U
59-50-7	4-Chloro-3-methylphenol	796	119	796	U J
106-47-8	4-Chloroaniline	403	117	403	U
91-58-7	2-Chloronaphthalene	796	102	796	U
95-57-8	2-Chlorophenol	403	92.2	403	U
7005-72-3	4-Chlorophenyl phenyl ether	796	106	796	U
218-01-9	Chrysene	161	82.8	161	U
53-70-3	Dibenzo (a,h) anthracene	161	114	161	U
132-64-9	Dibenzofuran	403	104	403	U
95-50-1	1,2-Dichlorobenzene	796	100	796	U
541-73-1	1,3-Dichlorobenzene	796	89.0	796	U J
106-46-7	1,4-Dichlorobenzene	796	94.5	796	U
91-94-1	3,3´-Dichlorobenzidine	796	116	796	U
120-83-2	2,4-Dichlorophenol	403	100	403	U
84-66-2	Diethyl phthalate	796	97.0	796	U
131-11-3	Dimethyl phthalate	796	94.0	796	U
105-67-9	2,4-Dimethylphenol	796	92.4	796	U
84-74-2	Di-n-butyl phthalate	796	98.8	796	U
534-52-1	4,6-Dinitro-2-methylphenol	796	120	796	U
51-28-5	2,4-Dinitrophenol	796	140	796	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	C2002707.D
Sampled:	04/06/16 12:45	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 15:32
% Solids:	80.31	Preparation:	SW846 3545A	Initial/Final:	30.9633 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	403	121	403	U
606-20-2	2,6-Dinitrotoluene	403	97.9	403	U
117-84-0	Di-n-octyl phthalate	796	117	796	U
206-44-0	Fluoranthene	161	90.2	161	U
86-73-7	Fluorene	161	99.7	161	U
118-74-1	Hexachlorobenzene	403	94.0	403	U
87-68-3	Hexachlorobutadiene	403	99.5	403	U
77-47-4	Hexachlorocyclopentadiene	403	145	403	U
67-72-1	Hexachloroethane	403	88.5	403	U
193-39-5	Indeno (1,2,3-cd) pyrene	161	107	161	U
78-59-1	Isophorone	403	92.1	403	U
91-57-6	2-Methylnaphthalene	161	96.9	161	U
95-48-7	2-Methylphenol	796	93.5	796	U
108-39-4, 106-44	3 & 4-Methylphenol	796	94.2	796	U
91-20-3	Naphthalene	161	96.6	161	U
88-74-4	2-Nitroaniline	796	133	796	U
99-09-2	3-Nitroaniline	796	143	796	U
100-01-6	4-Nitroaniline	403	159	403	U
98-95-3	Nitrobenzene	403	97.7	403	U
88-75-5	2-Nitrophenol	403	104	403	U
100-02-7	4-Nitrophenol	3180	101	3180	U
62-75-9	N-Nitrosodimethylamine	403	91.2	403	U
621-64-7	N-Nitrosodi-n-propylamine	403	94.4	403	U
86-30-6	N-Nitrosodiphenylamine	796	111	796	U
87-86-5	Pentachlorophenol	796	130	796	U
85-01-8	Phenanthrene	161	97.1	161	U
108-95-2	Phenol	796	95.6	796	U
129-00-0	Pyrene	161	84.3	161	U
110-86-1	Pyridine	796	100	796	U
120-82-1	1,2,4-Trichlorobenzene	796	95.2	796	U
90-12-0	1-Methylnaphthalene	161	99.8	161	U
95-95-4	2,4,5-Trichlorophenol	796	101	796	U
88-06-2	2,4,6-Trichlorophenol	403	96.5	403	U
82-68-8	Pentachloronitrobenzene	796	107	796	U
95-94-3	1,2,4,5-Tetrachlorobenzene	796	110	796	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	C2002707.D		
Sampled:	04/06/16 12:45	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 15:32		
% Solids:	80.31	Preparation:	SW846 3545A	Initial/Final:	30.9633 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	2				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	C2002708.D
Sampled:	04/06/16 13:10	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 16:00
% Solids:	87.40	Preparation:	SW846 3545A	Initial/Final:	30.0352 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	152	101	152	U
208-96-8	Acenaphthylene	152	102	152	U
62-53-3	Aniline	754	104	754	U
120-12-7	Anthracene	153	99.2	152	
103-33-3	Azobenzene/Diphenyldiazene	754	93.7	754	U
92-87-5	Benzidine	754	325	754	U
56-55-3	Benzo (a) anthracene	374	85.3	152	
50-32-8	Benzo (a) pyrene	369	93.4	152	
205-99-2	Benzo (b) fluoranthene	383	84.0	152	
191-24-2	Benzo (g,h,i) perylene	155	91.6	152	
207-08-9	Benzo (k) fluoranthene	139	106	152	J
65-85-0	Benzoic acid	754	181	754	U
100-51-6	Benzyl alcohol	754	77.2	754	U
111-91-1	Bis(2-chloroethoxy)methane	754	88.4	754	U
111-44-4	Bis(2-chloroethyl)ether	382	85.4	382	U
108-60-1	Bis(2-chloroisopropyl)ether	382	87.7	382	U
117-81-7	Bis(2-ethylhexyl)phthalate	382	89.8	382	U
101-55-3	4-Bromophenyl phenyl ether	754	87.9	754	U
85-68-7	Butyl benzyl phthalate	754	94.5	754	U
86-74-8	Carbazole	382	99.7	382	U
59-50-7	4-Chloro-3-methylphenol	754	113	754	U
106-47-8	4-Chloroaniline	382	111	382	U
91-58-7	2-Chloronaphthalene	754	96.4	754	U
95-57-8	2-Chlorophenol	382	87.4	382	U
7005-72-3	4-Chlorophenyl phenyl ether	754	100	754	U
218-01-9	Chrysene	373	78.4	152	
53-70-3	Dibenzo (a,h) anthracene	152	108	152	U
132-64-9	Dibenzofuran	382	98.4	382	U
95-50-1	1,2-Dichlorobenzene	754	94.7	754	U
541-73-1	1,3-Dichlorobenzene	754	84.3	754	U
106-46-7	1,4-Dichlorobenzene	754	89.5	754	U
91-94-1	3,3´-Dichlorobenzidine	754	110	754	U
120-83-2	2,4-Dichlorophenol	382	95.1	382	U
84-66-2	Diethyl phthalate	754	91.9	754	U
131-11-3	Dimethyl phthalate	754	89.0	754	U
105-67-9	2,4-Dimethylphenol	754	87.5	754	U
84-74-2	Di-n-butyl phthalate	754	93.6	754	U
534-52-1	4,6-Dinitro-2-methylphenol	754	114	754	U
51-28-5	2,4-Dinitrophenol	754	133	754	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	C2002708.D
Sampled:	04/06/16 13:10	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 16:00
% Solids:	87.40	Preparation:	SW846 3545A	Initial/Final:	30.0352 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	2		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	382	115	382	U
606-20-2	2,6-Dinitrotoluene	382	92.8	382	U
117-84-0	Di-n-octyl phthalate	754	111	754	U
206-44-0	Fluoranthene	821	85.5	152	
86-73-7	Fluorene	152	94.4	152	U
118-74-1	Hexachlorobenzene	382	89.1	382	U
87-68-3	Hexachlorobutadiene	382	94.3	382	U
77-47-4	Hexachlorocyclopentadiene	382	138	382	U
67-72-1	Hexachloroethane	382	83.9	382	U
193-39-5	Indeno (1,2,3-cd) pyrene	198	101	152	
78-59-1	Isophorone	382	87.2	382	U
91-57-6	2-Methylnaphthalene	152	91.8	152	U
95-48-7	2-Methylphenol	754	88.5	754	U
108-39-4, 106-44	3 & 4-Methylphenol	754	89.2	754	U
91-20-3	Naphthalene	152	91.5	152	U
88-74-4	2-Nitroaniline	754	126	754	U
99-09-2	3-Nitroaniline	754	136	754	U
100-01-6	4-Nitroaniline	382	150	382	U
98-95-3	Nitrobenzene	382	92.5	382	U
88-75-5	2-Nitrophenol	382	98.3	382	U
100-02-7	4-Nitrophenol	3020	95.9	3020	U
62-75-9	N-Nitrosodimethylamine	382	86.4	382	U
621-64-7	N-Nitrosodi-n-propylamine	382	89.4	382	U
86-30-6	N-Nitrosodiphenylamine	754	105	754	U
87-86-5	Pentachlorophenol	754	123	754	U
85-01-8	Phenanthrene	554	92.0	152	
108-95-2	Phenol	754	90.6	754	U
129-00-0	Pyrene	780	79.9	152	
110-86-1	Pyridine	754	95.2	754	U
120-82-1	1,2,4-Trichlorobenzene	754	90.2	754	U
90-12-0	1-Methylnaphthalene	152	94.5	152	U
95-95-4	2,4,5-Trichlorophenol	754	95.5	754	U
88-06-2	2,4,6-Trichlorophenol	382	91.4	382	U
82-68-8	Pentachloronitrobenzene	754	102	754	U
95-94-3	1,2,4,5-Tetrachlorobenzene	754	104	754	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	C2002708.D		
Sampled:	04/06/16 13:10	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 16:00		
% Solids:	87.40	Preparation:	SW846 3545A	Initial/Final:	30.0352 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	2				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
	Tentatively Identified Compounds		None found	

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	C2002710.D		
Sampled:	04/06/16 14:00	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 16:29		
% Solids:	86.51	Preparation:	SW846 3545A	Initial/Final:	30.8072 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
83-32-9	Acenaphthene	75.1	49.8	75.1	U
208-96-8	Acenaphthylene	75.1	50.3	75.1	U
62-53-3	Aniline	371	51.4	371	U J
120-12-7	Anthracene	75.1	48.9	75.1	U
103-33-3	Azobenzene/Diphenyldiazene	371	46.1	371	U
92-87-5	Benzidine	371	160	371	U
56-55-3	Benzo (a) anthracene	75.1	42.0	75.1	U
50-32-8	Benzo (a) pyrene	75.1	46.0	75.1	U
205-99-2	Benzo (b) fluoranthene	75.1	41.4	75.1	U
191-24-2	Benzo (g,h,i) perylene	75.1	45.1	75.1	U
207-08-9	Benzo (k) fluoranthene	75.1	52.2	75.1	U
65-85-0	Benzoic acid	371	89.3	371	U J
100-51-6	Benzyl alcohol	371	38.0	371	U J
111-91-1	Bis(2-chloroethoxy)methane	371	43.5	371	U
111-44-4	Bis(2-chloroethyl)ether	188	42.0	188	U
108-60-1	Bis(2-chloroisopropyl)ether	188	43.2	188	U
117-81-7	Bis(2-ethylhexyl)phthalate	188	44.2	188	U
101-55-3	4-Bromophenyl phenyl ether	371	43.3	371	U
85-68-7	Butyl benzyl phthalate	371	46.5	371	U
86-74-8	Carbazole	188	49.1	188	U
59-50-7	4-Chloro-3-methylphenol	371	55.5	371	U J
106-47-8	4-Chloroaniline	188	54.6	188	U
91-58-7	2-Chloronaphthalene	371	47.5	371	U
95-57-8	2-Chlorophenol	188	43.0	188	U
7005-72-3	4-Chlorophenyl phenyl ether	371	49.5	371	U
218-01-9	Chrysene	75.1	38.6	75.1	U
53-70-3	Dibenzo (a,h) anthracene	75.1	53.2	75.1	U
132-64-9	Dibenzofuran	188	48.4	188	U
95-50-1	1,2-Dichlorobenzene	371	46.6	371	U
541-73-1	1,3-Dichlorobenzene	371	41.5	371	U J
106-46-7	1,4-Dichlorobenzene	371	44.1	371	U
91-94-1	3,3´-Dichlorobenzidine	371	54.3	371	U
120-83-2	2,4-Dichlorophenol	188	46.8	188	U
84-66-2	Diethyl phthalate	371	45.3	371	U
131-11-3	Dimethyl phthalate	371	43.8	371	U
105-67-9	2,4-Dimethylphenol	371	43.1	371	U
84-74-2	Di-n-butyl phthalate	371	46.1	371	U
534-52-1	4,6-Dinitro-2-methylphenol	371	56.1	371	U
51-28-5	2,4-Dinitrophenol	371	65.5	371	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	C2002710.D
Sampled:	04/06/16 14:00	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 16:29
% Solids:	86.51	Preparation:	SW846 3545A	Initial/Final:	30.8072 g / 1 ml
Batch:	1606273	Sequence:	S603276	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	188	56.5	188	U J
606-20-2	2,6-Dinitrotoluene	188	45.7	188	U
117-84-0	Di-n-octyl phthalate	371	54.5	371	U
206-44-0	Fluoranthene	75.1	42.1	75.1	U
86-73-7	Fluorene	75.1	46.5	75.1	U
118-74-1	Hexachlorobenzene	188	43.9	188	U
87-68-3	Hexachlorobutadiene	188	46.4	188	U J
77-47-4	Hexachlorocyclopentadiene	188	67.8	188	U J
67-72-1	Hexachloroethane	188	41.3	188	U
193-39-5	Indeno (1,2,3-cd) pyrene	75.1	49.9	75.1	U
78-59-1	Isophorone	188	43.0	188	U
91-57-6	2-Methylnaphthalene	75.1	45.2	75.1	U
95-48-7	2-Methylphenol	371	43.6	371	U
108-39-4, 106-44	3 & 4-Methylphenol	371	43.9	371	U
91-20-3	Naphthalene	75.1	45.1	75.1	U
88-74-4	2-Nitroaniline	371	62.3	371	U
99-09-2	3-Nitroaniline	371	66.9	371	U
100-01-6	4-Nitroaniline	188	74.0	188	U
98-95-3	Nitrobenzene	188	45.6	188	U
88-75-5	2-Nitrophenol	188	48.4	188	U
100-02-7	4-Nitrophenol	1490	47.2	1490	U
62-75-9	N-Nitrosodimethylamine	188	42.5	188	U J
621-64-7	N-Nitrosodi-n-propylamine	188	44.0	188	U
86-30-6	N-Nitrosodiphenylamine	371	51.6	371	U
87-86-5	Pentachlorophenol	371	60.7	371	U
85-01-8	Phenanthrene	75.1	45.3	75.1	U
108-95-2	Phenol	371	44.6	371	U J
129-00-0	Pyrene	75.1	39.3	75.1	U
110-86-1	Pyridine	371	46.9	371	U J
120-82-1	1,2,4-Trichlorobenzene	371	44.4	371	U
90-12-0	1-Methylnaphthalene	75.1	46.5	75.1	U
95-95-4	2,4,5-Trichlorophenol	371	47.0	371	U
88-06-2	2,4,6-Trichlorophenol	188	45.0	188	U
82-68-8	Pentachloronitrobenzene	371	50.1	371	U
95-94-3	1,2,4,5-Tetrachlorobenzene	371	51.4	371	U

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	C2002710.D		
Sampled:	04/06/16 14:00	Prepared:	04/14/16 15:24	Analyzed:	04/21/16 16:29		
% Solids:	86.51	Preparation:	SW846 3545A	Initial/Final:	30.8072 g / 1 ml		
Batch:	1606273	Sequence:	S603276	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/kg dry)	Q
141-79-7	3-Penten-2-one, 4-methyl-	2.786	480	JN
000301-02-0	9-Octadecenamide, (Z)-	16.149	830	JN
55045-11-9	tridecane, 5-propyl-	10.064	700	JN

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FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	C2002711.D
Sampled:	04/06/16 12:30	Prepared:	04/12/16 17:00	Analyzed:	04/19/16 15:49
% Solids:		Preparation:	SW846 3510C	Initial/Final:	980 ml / 1 ml
Batch:	1606002	Sequence:	S603178	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
83-32-9	Acenaphthene	5.10	1.20	5.10	U
208-96-8	Acenaphthylene	5.10	1.11	5.10	U
62-53-3	Aniline	5.10	1.44	5.10	U
120-12-7	Anthracene	5.10	1.18	5.10	U
103-33-3	Azobenzene/Diphenyldiazene	5.10	1.05	5.10	U
92-87-5	Benzidine	5.10	2.92	5.10	U
56-55-3	Benzo (a) anthracene	5.10	1.15	5.10	U
50-32-8	Benzo (a) pyrene	5.10	1.03	5.10	U
205-99-2	Benzo (b) fluoranthene	5.10	1.04	5.10	U
191-24-2	Benzo (g,h,i) perylene	5.10	1.36	5.10	U
207-08-9	Benzo (k) fluoranthene	5.10	1.38	5.10	U
65-85-0	Benzoic acid	5.10	2.03	5.10	U J
100-51-6	Benzyl alcohol	5.10	1.78	5.10	U
111-91-1	Bis(2-chloroethoxy)methane	5.10	1.01	5.10	U
111-44-4	Bis(2-chloroethyl)ether	5.10	1.14	5.10	U
108-60-1	Bis(2-chloroisopropyl)ether	5.10	1.22	5.10	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.10	1.43	5.10	U
101-55-3	4-Bromophenyl phenyl ether	5.10	1.20	5.10	U
85-68-7	Butyl benzyl phthalate	5.10	1.35	5.10	U
86-74-8	Carbazole	5.10	1.27	5.10	U
59-50-7	4-Chloro-3-methylphenol	5.10	1.26	5.10	U
106-47-8	4-Chloroaniline	5.10	1.34	5.10	U
91-58-7	2-Chloronaphthalene	5.10	1.21	5.10	U
95-57-8	2-Chlorophenol	5.10	1.29	5.10	U
7005-72-3	4-Chlorophenyl phenyl ether	5.10	1.17	5.10	U
218-01-9	Chrysene	5.10	1.06	5.10	U
53-70-3	Dibenzo (a,h) anthracene	5.10	1.21	5.10	U
132-64-9	Dibenzofuran	5.10	1.10	5.10	U
95-50-1	1,2-Dichlorobenzene	5.10	1.62	5.10	U
541-73-1	1,3-Dichlorobenzene	5.10	1.22	5.10	U
106-46-7	1,4-Dichlorobenzene	5.10	1.15	5.10	U
91-94-1	3,3´-Dichlorobenzidine	5.10	1.58	5.10	U
120-83-2	2,4-Dichlorophenol	5.10	1.23	5.10	U
84-66-2	Diethyl phthalate	9.39	1.55	5.10	
131-11-3	Dimethyl phthalate	5.10	1.51	5.10	U
105-67-9	2,4-Dimethylphenol	5.10	1.44	5.10	U
84-74-2	Di-n-butyl phthalate	5.10	1.13	5.10	U
534-52-1	4,6-Dinitro-2-methylphenol	5.10	1.91	5.10	U
51-28-5	2,4-Dinitrophenol	5.10	2.19	5.10	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	C2002711.D
Sampled:	04/06/16 12:30	Prepared:	04/12/16 17:00	Analyzed:	04/19/16 15:49
% Solids:		Preparation:	SW846 3510C	Initial/Final:	980 ml / 1 ml
Batch:	1606002	Sequence:	S603178	Calibration:	1602028
Instrument:	HPS8				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
121-14-2	2,4-Dinitrotoluene	5.10	1.87	5.10	U
606-20-2	2,6-Dinitrotoluene	5.10	1.67	5.10	U
117-84-0	Di-n-octyl phthalate	5.10	1.30	5.10	U
206-44-0	Fluoranthene	5.10	1.21	5.10	U
86-73-7	Fluorene	5.10	1.21	5.10	U
118-74-1	Hexachlorobenzene	5.10	1.07	5.10	U
87-68-3	Hexachlorobutadiene	5.10	1.20	5.10	U
77-47-4	Hexachlorocyclopentadiene	5.10	2.12	5.10	U
67-72-1	Hexachloroethane	5.10	1.54	5.10	U
193-39-5	Indeno (1,2,3-cd) pyrene	5.10	1.32	5.10	U
78-59-1	Isophorone	5.10	1.08	5.10	U
91-57-6	2-Methylnaphthalene	5.10	1.23	5.10	U
95-48-7	2-Methylphenol	5.10	1.48	5.10	U
108-39-4, 106-44	3 & 4-Methylphenol	10.2	1.48	10.2	U
91-20-3	Naphthalene	5.10	1.07	5.10	U
88-74-4	2-Nitroaniline	5.10	1.42	5.10	U
99-09-2	3-Nitroaniline	5.10	1.57	5.10	U
100-01-6	4-Nitroaniline	5.10	2.18	5.10	U
98-95-3	Nitrobenzene	5.10	1.04	5.10	U
88-75-5	2-Nitrophenol	5.10	1.48	5.10	U
100-02-7	4-Nitrophenol	20.4	2.98	20.4	U
62-75-9	N-Nitrosodimethylamine	5.10	1.41	5.10	U
621-64-7	N-Nitrosodi-n-propylamine	5.10	1.34	5.10	U
86-30-6	N-Nitrosodiphenylamine	5.10	1.49	5.10	U
87-86-5	Pentachlorophenol	20.4	1.91	20.4	U
85-01-8	Phenanthrene	5.10	1.27	5.10	U
108-95-2	Phenol	5.10	1.00	5.10	U
129-00-0	Pyrene	5.10	1.46	5.10	U
110-86-1	Pyridine	5.10	1.57	5.10	U
120-82-1	1,2,4-Trichlorobenzene	5.10	1.30	5.10	U
90-12-0	1-Methylnaphthalene	5.10	1.11	5.10	U
95-95-4	2,4,5-Trichlorophenol	5.10	1.21	5.10	U
88-06-2	2,4,6-Trichlorophenol	5.10	1.10	5.10	U
82-68-8	Pentachloronitrobenzene	5.10	1.31	5.10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.10	1.06	5.10	U

LW6/12/16

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D TICS

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027		
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY		
Project Number:	5211S-16			Received:	04/08/16 12:40		
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	C2002711.D		
Sampled:	04/06/16 12:30	Prepared:	04/12/16 17:00	Analyzed:	04/19/16 15:49		
% Solids:		Preparation:	SW846 3510C	Initial/Final:	980 ml / 1 ml		
Batch:	1606002	Sequence:	S603178	Calibration:	1602028	Instrument:	HPS8
Reported to:	MRL	Dilution:	1				

CAS NO.	TENTATIVELY IDENTIFIED COMPOUND	RT	EST. CONC. (µg/l)	Q
	Tentatively Identified Compounds		None found	

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	2002701.D
Sampled:	04/06/16 10:30	Prepared:	04/15/16 07:11	Analyzed:	04/18/16 16:44
% Solids:	84.55	Preparation:	SW846 3545A	Initial/Final:	20.0084 g / 10 ml
Batch:	1606319	Sequence:	S603132	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	23.6	13.4	23.6	U
11104-28-2	Aroclor-1221	23.6	17.4	23.6	U
11141-16-5	Aroclor-1232	23.6	17.6	23.6	U
53469-21-9	Aroclor-1242	23.6	14.2	23.6	U
12672-29-6	Aroclor-1248	23.6	14.6	23.6	U
11097-69-1	Aroclor-1254	23.6	10.7	23.6	U
11096-82-5	Aroclor-1260	23.6	10.7	23.6	U
37324-23-5	Aroclor-1262	23.6	18.2	23.6	U
11100-14-4	Aroclor-1268	23.6	13.8	23.6	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	2002702.D
Sampled:	04/06/16 10:50	Prepared:	04/15/16 07:11	Analyzed:	04/18/16 16:59
% Solids:	75.00	Preparation:	SW846 3545A	Initial/Final:	20.0645 g / 10 ml
Batch:	1606319	Sequence:	S603132	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	26.6	15.0	26.6	U
11104-28-2	Aroclor-1221	26.6	19.6	26.6	U
11141-16-5	Aroclor-1232	26.6	19.7	26.6	U
53469-21-9	Aroclor-1242	26.6	16.0	26.6	U
12672-29-6	Aroclor-1248	26.6	16.4	26.6	U
11097-69-1	Aroclor-1254	666	17.7	26.6	
11096-82-5	Aroclor-1260	221	12.0	26.6	
37324-23-5	Aroclor-1262	26.6	20.4	26.6	U
11100-14-4	Aroclor-1268	26.6	15.5	26.6	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	2002704.D
Sampled:	04/06/16 11:20	Prepared:	04/15/16 07:11	Analyzed:	04/18/16 17:14
% Solids:	78.67	Preparation:	SW846 3545A	Initial/Final:	20.173 g / 10 ml
Batch:	1606319	Sequence:	S603132	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	25.2	14.3	25.2	U
11104-28-2	Aroclor-1221	25.2	18.5	25.2	U
11141-16-5	Aroclor-1232	25.2	18.7	25.2	U
53469-21-9	Aroclor-1242	25.2	15.1	25.2	U
12672-29-6	Aroclor-1248	25.2	15.6	25.2	U
11097-69-1	Aroclor-1254	25.2	11.4	25.2	U
11096-82-5	Aroclor-1260	25.2	11.4	25.2	U
37324-23-5	Aroclor-1262	25.2	19.4	25.2	U
11100-14-4	Aroclor-1268	25.2	14.7	25.2	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	2002705.D
Sampled:	04/06/16 11:45	Prepared:	04/15/16 07:11	Analyzed:	04/18/16 17:29
% Solids:	88.23	Preparation:	SW846 3545A	Initial/Final:	20.5849 g / 10 ml
Batch:	1606319	Sequence:	S603132	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	22.0	12.5	22.0	U
11104-28-2	Aroclor-1221	22.0	16.2	22.0	U
11141-16-5	Aroclor-1232	22.0	16.4	22.0	U
53469-21-9	Aroclor-1242	22.0	13.2	22.0	U
12672-29-6	Aroclor-1248	22.0	13.6	22.0	U
11097-69-1	Aroclor-1254	23.7	9.96	22.0	
11096-82-5	Aroclor-1260	22.0	9.93	22.0	U
37324-23-5	Aroclor-1262	22.0	16.9	22.0	U
11100-14-4	Aroclor-1268	22.0	12.9	22.0	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	2002706.D
Sampled:	04/06/16 12:10	Prepared:	04/15/16 07:11	Analyzed:	04/18/16 17:44
% Solids:	82.76	Preparation:	SW846 3545A	Initial/Final:	20.6392 g / 10 ml
Batch:	1606319	Sequence:	S603132	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	23.4	13.2	23.4	U
11104-28-2	Aroclor-1221	23.4	17.2	23.4	U
11141-16-5	Aroclor-1232	23.4	17.4	23.4	U
53469-21-9	Aroclor-1242	23.4	14.1	23.4	U
12672-29-6	Aroclor-1248	23.4	14.5	23.4	U
11097-69-1	Aroclor-1254	23.4	10.6	23.4	U
11096-82-5	Aroclor-1260	23.4	10.6	23.4	U
37324-23-5	Aroclor-1262	23.4	18.0	23.4	U
11100-14-4	Aroclor-1268	23.4	13.7	23.4	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8082A

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	2002707.D
Sampled:	04/06/16 12:45	Prepared:	04/15/16 07:11	Analyzed:	04/18/16 17:59
% Solids:	80.31	Preparation:	SW846 3545A	Initial/Final:	20.0693 g / 10 ml
Batch:	1606319	Sequence:	S603132	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	24.8	14.0	24.8	U
11104-28-2	Aroclor-1221	24.8	18.3	24.8	U
11141-16-5	Aroclor-1232	24.8	18.4	24.8	U
53469-21-9	Aroclor-1242	24.8	14.9	24.8	U
12672-29-6	Aroclor-1248	24.8	15.3	24.8	U
11097-69-1	Aroclor-1254	24.8	11.2	24.8	U
11096-82-5	Aroclor-1260	24.8	11.2	24.8	U
37324-23-5	Aroclor-1262	24.8	19.1	24.8	U
11100-14-4	Aroclor-1268	24.8	14.5	24.8	U

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FORM I - ANALYSIS DATA SHEET
SW846 8082A

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	2002708.D
Sampled:	04/06/16 13:10	Prepared:	04/15/16 07:11	Analyzed:	04/18/16 18:14
% Solids:	87.40	Preparation:	SW846 3545A	Initial/Final:	20.2904 g / 10 ml
Batch:	1606319	Sequence:	S603132	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	22.6	12.8	22.6	U
11104-28-2	Aroclor-1221	22.6	16.6	22.6	U
11141-16-5	Aroclor-1232	22.6	16.7	22.6	U
53469-21-9	Aroclor-1242	22.6	13.5	22.6	U
12672-29-6	Aroclor-1248	22.6	13.9	22.6	U
11097-69-1	Aroclor-1254	22.6	10.2	22.6	U
11096-82-5	Aroclor-1260	22.6	10.2	22.6	U
37324-23-5	Aroclor-1262	22.6	17.3	22.6	U
11100-14-4	Aroclor-1268	22.6	13.2	22.6	U

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FORM I - ANALYSIS DATA SHEET
SW846 8082A

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	2002710.D
Sampled:	04/06/16 14:00	Prepared:	04/15/16 07:11	Analyzed:	04/18/16 18:29
% Solids:	86.51	Preparation:	SW846 3545A	Initial/Final:	20.0115 g / 10 ml
Batch:	1606319	Sequence:	S603132	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
12674-11-2	Aroclor-1016	23.1	13.1	23.1	U
11104-28-2	Aroclor-1221	23.1	17.0	23.1	U
11141-16-5	Aroclor-1232	23.1	17.2	23.1	U
53469-21-9	Aroclor-1242	23.1	13.9	23.1	U
12672-29-6	Aroclor-1248	23.1	14.3	23.1	U
11097-69-1	Aroclor-1254	23.1	10.5	23.1	U
11096-82-5	Aroclor-1260	23.1	10.4	23.1	U
37324-23-5	Aroclor-1262	23.1	17.7	23.1	U
11100-14-4	Aroclor-1268	23.1	13.5	23.1	U

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FORM I - ANALYSIS DATA SHEET
SW846 8082A

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	2002711P.D
Sampled:	04/06/16 12:30	Prepared:	04/13/16 07:13	Analyzed:	04/14/16 19:06
% Solids:		Preparation:	SW846 3510C	Initial/Final:	960 ml / 10 ml
Batch:	1606121	Sequence:	S603087	Calibration:	1603050
Instrument:	HPS11				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
12674-11-2	Aroclor-1016	0.208	0.0749	0.208	U
11104-28-2	Aroclor-1221	0.208	0.101	0.208	U
11141-16-5	Aroclor-1232	0.208	0.141	0.208	U
53469-21-9	Aroclor-1242	0.208	0.115	0.208	U
12672-29-6	Aroclor-1248	0.208	0.0923	0.208	U
11097-69-1	Aroclor-1254	0.208	0.123	0.208	U
11096-82-5	Aroclor-1260	0.208	0.0728	0.208	U
37324-23-5	Aroclor-1262	0.208	0.104	0.208	U
11100-14-4	Aroclor-1268	0.208	0.0895	0.208	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	2002701P.D
Sampled:	04/06/16 10:30	Prepared:	04/15/16 07:06	Analyzed:	04/18/16 17:47
% Solids:	84.55	Preparation:	SW846 3545A	Initial/Final:	20.0084 g / 10 ml
Batch:	1606318	Sequence:	S603122	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.91	1.42	5.91	U
319-85-7	beta-BHC	5.91	1.68	5.91	U
319-86-8	delta-BHC	5.91	1.51	5.91	U
58-89-9	gamma-BHC (Lindane)	3.55	1.53	3.55	U
76-44-8	Heptachlor	5.91	1.55	5.91	U
309-00-2	Aldrin	5.91	1.61	5.91	U
1024-57-3	Heptachlor epoxide	5.91	1.64	5.91	U
959-98-8	Endosulfan I	5.91	1.71	5.91	U
60-57-1	Dieldrin	5.91	1.65	5.91	U
72-55-9	4,4'-DDE (p,p')	5.91	1.58	5.91	U
72-20-8	Endrin	9.46	1.83	9.46	U
33213-65-9	Endosulfan II	9.46	1.75	9.46	U
72-54-8	4,4'-DDD (p,p')	9.46	1.69	9.46	U
1031-07-8	Endosulfan sulfate	9.46	1.86	9.46	U
50-29-3	4,4'-DDT (p,p')	9.46	1.74	9.46	U
72-43-5	Methoxychlor	9.46	1.82	9.46	U
53494-70-5	Endrin ketone	9.46	1.80	9.46	U
7421-93-4	Endrin aldehyde	9.46	1.64	9.46	U
5103-71-9	alpha-Chlordane	5.91	1.71	5.91	U
5566-34-7	gamma-Chlordane	5.91	1.55	5.91	U
8001-35-2	Toxaphene	118	51.4	118	U
57-74-9	Chlordane	23.6	22.0	23.6	U
15972-60-8	Alachlor	5.91	1.58	5.91	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	2002702P.D
Sampled:	04/06/16 10:50	Prepared:	04/15/16 07:06	Analyzed:	04/18/16 18:05
% Solids:	75.00	Preparation:	SW846 3545A	Initial/Final:	20.0645 g / 10 ml
Batch:	1606318	Sequence:	S603122	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.65	1.60	6.65	U
319-85-7	beta-BHC	6.65	1.88	6.65	U
319-86-8	delta-BHC	6.65	1.69	6.65	U
58-89-9	gamma-BHC (Lindane)	3.99	1.72	3.99	U
76-44-8	Heptachlor	6.65	1.74	6.65	U
309-00-2	Aldrin	6.65	1.80	6.65	U
1024-57-3	Heptachlor epoxide	6.65	1.84	6.65	U
959-98-8	Endosulfan I	6.65	1.92	6.65	U
60-57-1	Dieldrin	6.65	1.86	6.65	U
72-55-9	4,4'-DDE (p,p')	27.6	1.78	6.65	
72-20-8	Endrin	10.6	2.05	10.6	U
33213-65-9	Endosulfan II	10.6	1.97	10.6	U
72-54-8	4,4'-DDD (p,p')	10.6	1.90	10.6	U
1031-07-8	Endosulfan sulfate	10.6	2.10	10.6	U
50-29-3	4,4'-DDT (p,p')	38.1	1.54	10.6	P
72-43-5	Methoxychlor	10.6	2.05	10.6	U
53494-70-5	Endrin ketone	10.6	2.03	10.6	U
7421-93-4	Endrin aldehyde	10.6	1.85	10.6	U
5103-71-9	alpha-Chlordane	6.65	1.92	6.65	U
5566-34-7	gamma-Chlordane	6.65	1.75	6.65	U
8001-35-2	Toxaphene	133	57.8	133	U
57-74-9	Chlordane	26.6	24.7	26.6	U
15972-60-8	Alachlor	6.65	1.78	6.65	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

055-TB-R-1 (8-10)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
SDG: 20027
Client: Day Environmental, Inc.
Project: McAlpin - Rochester, NY
Project Number: 5211S-16
Received: 04/08/16 12:40
Matrix: Soil
Laboratory ID: SC20027-04
File ID: 2002704P.D
Sampled: 04/06/16 11:20
Prepared: 04/15/16 07:06
Analyzed: 04/18/16 18:22
% Solids: 78.67
Preparation: SW846 3545A
Initial/Final: 20.173 g / 10 ml
Batch: 1606318
Sequence: S603122
Calibration: 1509037
Instrument: HPS14
Injection Volume (uL): 2.00
Reported to: MRL
Dilution: 1

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.30	1.52	6.30	U
319-85-7	beta-BHC	6.30	1.79	6.30	U
319-86-8	delta-BHC	6.30	1.60	6.30	U
58-89-9	gamma-BHC (Lindane)	3.78	1.63	3.78	U
76-44-8	Heptachlor	6.30	1.65	6.30	U
309-00-2	Aldrin	6.30	1.71	6.30	U
1024-57-3	Heptachlor epoxide	6.30	1.74	6.30	U
959-98-8	Endosulfan I	6.30	1.82	6.30	U
60-57-1	Dieldrin	6.30	1.76	6.30	U
72-55-9	4,4'-DDE (p,p')	6.30	1.68	6.30	U
72-20-8	Endrin	10.1	1.95	10.1	U
33213-65-9	Endosulfan II	10.1	1.87	10.1	U
72-54-8	4,4'-DDD (p,p')	10.1	1.81	10.1	U
1031-07-8	Endosulfan sulfate	10.1	1.99	10.1	U
50-29-3	4,4'-DDT (p,p')	10.1	1.85	10.1	U
72-43-5	Methoxychlor	10.1	1.94	10.1	U
53494-70-5	Endrin ketone	10.1	1.92	10.1	U
7421-93-4	Endrin aldehyde	10.1	1.75	10.1	U
5103-71-9	alpha-Chlordane	6.30	1.82	6.30	U
5566-34-7	gamma-Chlordane	6.30	1.66	6.30	U
8001-35-2	Toxaphene	126	54.8	126	U
57-74-9	Chlordane	25.2	23.4	25.2	U
15972-60-8	Alachlor	6.30	1.68	6.30	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET

SW846 8081B

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	2002705P.D
Sampled:	04/06/16 11:45	Prepared:	04/15/16 07:06	Analyzed:	04/18/16 18:39
% Solids:	88.23	Preparation:	SW846 3545A	Initial/Final:	20.5849 g / 10 ml
Batch:	1606318	Sequence:	S603122	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.51	1.33	5.51	U
319-85-7	beta-BHC	5.51	1.56	5.51	U
319-86-8	delta-BHC	5.51	1.40	5.51	U
58-89-9	gamma-BHC (Lindane)	3.30	1.43	3.30	U
76-44-8	Heptachlor	5.51	1.44	5.51	U
309-00-2	Aldrin	5.51	1.50	5.51	U
1024-57-3	Heptachlor epoxide	5.51	1.52	5.51	U
959-98-8	Endosulfan I	5.51	1.59	5.51	U
60-57-1	Dieldrin	5.51	1.54	5.51	U
72-55-9	4,4'-DDE (p,p')	5.51	1.47	5.51	U
72-20-8	Endrin	8.81	1.70	8.81	U
33213-65-9	Endosulfan II	8.81	1.63	8.81	U
72-54-8	4,4'-DDD (p,p')	8.81	1.58	8.81	U
1031-07-8	Endosulfan sulfate	8.81	1.74	8.81	U
50-29-3	4,4'-DDT (p,p')	8.81	1.62	8.81	U
72-43-5	Methoxychlor	8.81	1.69	8.81	U
53494-70-5	Endrin ketone	8.81	1.68	8.81	U
7421-93-4	Endrin aldehyde	8.81	1.53	8.81	U
5103-71-9	alpha-Chlordane	5.51	1.59	5.51	U
5566-34-7	gamma-Chlordane	5.51	1.45	5.51	U
8001-35-2	Toxaphene	110	47.9	110	U
57-74-9	Chlordane	22.0	20.5	22.0	U
15972-60-8	Alachlor	5.51	1.47	5.51	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	2002706P.D
Sampled:	04/06/16 12:10	Prepared:	04/15/16 07:06	Analyzed:	04/18/16 18:57
% Solids:	82.76	Preparation:	SW846 3545A	Initial/Final:	20.6392 g / 10 ml
Batch:	1606318	Sequence:	S603122	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.85	1.41	5.85	U
319-85-7	beta-BHC	5.85	1.66	5.85	U
319-86-8	delta-BHC	5.85	1.49	5.85	U
58-89-9	gamma-BHC (Lindane)	3.51	1.52	3.51	U
76-44-8	Heptachlor	5.85	1.54	5.85	U
309-00-2	Aldrin	5.85	1.59	5.85	U
1024-57-3	Heptachlor epoxide	5.85	1.62	5.85	U
959-98-8	Endosulfan I	5.85	1.69	5.85	U
60-57-1	Dieldrin	5.85	1.64	5.85	U
72-55-9	4,4'-DDE (p,p')	5.85	1.57	5.85	U
72-20-8	Endrin	9.37	1.81	9.37	U
33213-65-9	Endosulfan II	9.37	1.74	9.37	U
72-54-8	4,4'-DDD (p,p')	9.37	1.68	9.37	U
1031-07-8	Endosulfan sulfate	9.37	1.85	9.37	U
50-29-3	4,4'-DDT (p,p')	9.37	1.72	9.37	U
72-43-5	Methoxychlor	9.37	1.80	9.37	U
53494-70-5	Endrin ketone	9.37	1.78	9.37	U
7421-93-4	Endrin aldehyde	9.37	1.63	9.37	U
5103-71-9	alpha-Chlordane	5.85	1.69	5.85	U
5566-34-7	gamma-Chlordane	5.85	1.54	5.85	U
8001-35-2	Toxaphene	117	50.9	117	U
57-74-9	Chlordane	23.4	21.8	23.4	U
15972-60-8	Alachlor	5.85	1.56	5.85	U

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FORM I - ANALYSIS DATA SHEET
SW846 8081B

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	2002707P.D
Sampled:	04/06/16 12:45	Prepared:	04/15/16 07:06	Analyzed:	04/18/16 19:14
% Solids:	80.31	Preparation:	SW846 3545A	Initial/Final:	20.0693 g / 10 ml
Batch:	1606318	Sequence:	S603122	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	6.20	1.49	6.20	U
319-85-7	beta-BHC	6.20	1.76	6.20	U
319-86-8	delta-BHC	6.20	1.58	6.20	U
58-89-9	gamma-BHC (Lindane)	3.72	1.61	3.72	U
76-44-8	Heptachlor	6.20	1.63	6.20	U
309-00-2	Aldrin	6.20	1.69	6.20	U
1024-57-3	Heptachlor epoxide	6.20	1.72	6.20	U
959-98-8	Endosulfan I	6.20	1.80	6.20	U
60-57-1	Dieldrin	6.20	1.74	6.20	U
72-55-9	4,4'-DDE (p,p')	6.20	1.66	6.20	U
72-20-8	Endrin	9.93	1.92	9.93	U
33213-65-9	Endosulfan II	9.93	1.84	9.93	U
72-54-8	4,4'-DDD (p,p')	9.93	1.78	9.93	U
1031-07-8	Endosulfan sulfate	9.93	1.96	9.93	U
50-29-3	4,4'-DDT (p,p')	9.93	1.82	9.93	U
72-43-5	Methoxychlor	9.93	1.91	9.93	U
53494-70-5	Endrin ketone	9.93	1.89	9.93	U
7421-93-4	Endrin aldehyde	9.93	1.73	9.93	U
5103-71-9	alpha-Chlordane	6.20	1.80	6.20	U
5566-34-7	gamma-Chlordane	6.20	1.63	6.20	U
8001-35-2	Toxaphene	124	54.0	124	U
57-74-9	Chlordane	24.8	23.1	24.8	U
15972-60-8	Alachlor	6.20	1.66	6.20	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	2002708P.D
Sampled:	04/06/16 13:10	Prepared:	04/15/16 07:06	Analyzed:	04/18/16 19:31
% Solids:	87.40	Preparation:	SW846 3545A	Initial/Final:	20.2904 g / 10 ml
Batch:	1606318	Sequence:	S603122	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.64	1.36	5.64	U
319-85-7	beta-BHC	5.64	1.60	5.64	U
319-86-8	delta-BHC	5.64	1.44	5.64	U
58-89-9	gamma-BHC (Lindane)	3.38	1.46	3.38	U
76-44-8	Heptachlor	5.64	1.48	5.64	U
309-00-2	Aldrin	5.64	1.53	5.64	U
1024-57-3	Heptachlor epoxide	5.64	1.56	5.64	U
959-98-8	Endosulfan I	5.64	1.63	5.64	U
60-57-1	Dieldrin	5.64	1.58	5.64	U
72-55-9	4,4'-DDE (p,p')	2.33	1.51	5.64	J
72-20-8	Endrin	9.02	1.74	9.02	U
33213-65-9	Endosulfan II	9.02	1.67	9.02	U
72-54-8	4,4'-DDD (p,p')	9.02	1.62	9.02	U
1031-07-8	Endosulfan sulfate	9.02	1.78	9.02	U
50-29-3	4,4'-DDT (p,p')	2.82	1.31	9.02	J
72-43-5	Methoxychlor	9.02	1.74	9.02	U
53494-70-5	Endrin ketone	9.02	1.72	9.02	U
7421-93-4	Endrin aldehyde	9.02	1.57	9.02	U
5103-71-9	alpha-Chlordane	5.64	1.63	5.64	U
5566-34-7	gamma-Chlordane	5.64	1.48	5.64	U
8001-35-2	Toxaphene	113	49.1	113	U
57-74-9	Chlordane	22.6	21.0	22.6	U
15972-60-8	Alachlor	5.64	1.51	5.64	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	2002710P.D
Sampled:	04/06/16 14:00	Prepared:	04/15/16 07:06	Analyzed:	04/18/16 19:49
% Solids:	86.51	Preparation:	SW846 3545A	Initial/Final:	20.0115 g / 10 ml
Batch:	1606318	Sequence:	S603122	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/kg dry)	MDL	MRL	Q
319-84-6	alpha-BHC	5.78	1.39	5.78	U
319-85-7	beta-BHC	5.78	1.64	5.78	U
319-86-8	delta-BHC	5.78	1.47	5.78	U
58-89-9	gamma-BHC (Lindane)	3.47	1.50	3.47	U
76-44-8	Heptachlor	5.78	1.52	5.78	U
309-00-2	Aldrin	5.78	1.57	5.78	U
1024-57-3	Heptachlor epoxide	5.78	1.60	5.78	U
959-98-8	Endosulfan I	5.78	1.67	5.78	U
60-57-1	Dieldrin	5.78	1.62	5.78	U
72-55-9	4,4'-DDE (p,p')	5.78	1.54	5.78	U
72-20-8	Endrin	9.24	1.78	9.24	U
33213-65-9	Endosulfan II	9.24	1.71	9.24	U
72-54-8	4,4'-DDD (p,p')	9.24	1.66	9.24	U
1031-07-8	Endosulfan sulfate	9.24	1.82	9.24	U
50-29-3	4,4'-DDT (p,p')	9.24	1.70	9.24	U
72-43-5	Methoxychlor	9.24	1.78	9.24	U
53494-70-5	Endrin ketone	9.24	1.76	9.24	U
7421-93-4	Endrin aldehyde	9.24	1.61	9.24	U
5103-71-9	alpha-Chlordane	5.78	1.67	5.78	U
5566-34-7	gamma-Chlordane	5.78	1.52	5.78	U
8001-35-2	Toxaphene	116	50.3	116	U
57-74-9	Chlordane	23.1	21.5	23.1	U
15972-60-8	Alachlor	5.78	1.54	5.78	U

LW6/12/16

FORM I - ANALYSIS DATA SHEET
SW846 8081B

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	2002711P.D
Sampled:	04/06/16 12:30	Prepared:	04/13/16 07:15	Analyzed:	04/14/16 18:14
% Solids:		Preparation:	SW846 3510C	Initial/Final:	960 ml / 10 ml
Batch:	1606122	Sequence:	S603038	Calibration:	1509037
Instrument:	HPS14				
Injection Volume (uL):	2.00				
Reported to:	MRL	Dilution:	1		

CAS NO.	COMPOUND	RESULT (µg/l)	MDL	MRL	Q
319-84-6	alpha-BHC	0.021	0.019	0.021	U
319-85-7	beta-BHC	0.021	0.017	0.021	U
319-86-8	delta-BHC	0.021	0.019	0.021	U
58-89-9	gamma-BHC (Lindane)	0.021	0.020	0.021	U
76-44-8	Heptachlor	0.021	0.020	0.021	U
309-00-2	Aldrin	0.021	0.018	0.021	U
1024-57-3	Heptachlor epoxide	0.021	0.016	0.021	U
959-98-8	Endosulfan I	0.021	0.018	0.021	U
60-57-1	Dieldrin	0.021	0.013	0.021	U
72-55-9	4,4'-DDE (p,p')	0.021	0.016	0.021	U
72-20-8	Endrin	0.042	0.024	0.042	U
33213-65-9	Endosulfan II	0.042	0.016	0.042	U
72-54-8	4,4'-DDD (p,p')	0.042	0.016	0.042	U
1031-07-8	Endosulfan sulfate	0.042	0.015	0.042	U
50-29-3	4,4'-DDT (p,p')	0.042	0.022	0.042	U
72-43-5	Methoxychlor	0.042	0.022	0.042	U
53494-70-5	Endrin ketone	0.042	0.020	0.042	U
7421-93-4	Endrin aldehyde	0.042	0.013	0.042	U
5103-71-9	alpha-Chlordane	0.021	0.014	0.021	U
5566-34-7	gamma-Chlordane	0.021	0.019	0.021	U
8001-35-2	Toxaphene	0.521	0.321	0.521	U
57-74-9	Chlordane	0.068	0.067	0.068	U
15972-60-8	Alachlor	0.021	0.018	0.021	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	20160422-025
Sampled:	04/06/16 10:30	Prepared:	04/21/16 13:00		
% Solids:	84.55	Preparation:	SW846 3051A	Initial/Final:	1 g / 50 ml
Batch:	1606693	Sequence:	S603308	Calibration:	1604064
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.91	1	0.479	5.91	U
7439-92-1	Lead	3.53	1	0.503	1.63	
7439-95-4	Magnesium	15300	20	42.0	109	J
7439-96-5	Manganese	284	1	0.714	1.09	J
7440-02-0	Nickel	8.30	1	0.201	1.09	
7440-09-7	Potassium	1460	1	7.14	54.5	J
7782-49-2	Selenium	1.63	1	0.435	1.63	U
7440-23-5	Sodium	132	1	8.68	27.2	
7440-28-0	Thallium	3.27	1	0.737	3.27	U
7440-66-6	Zinc	19.3	1	0.998	1.09	
7429-90-5	Aluminum	4510	1	1.46	5.45	
7440-38-2	Arsenic	2.13	1	0.430	1.63	
7440-39-3	Barium	26.8	1	0.142	1.09	
7440-41-7	Beryllium	0.195	1	0.0281	0.545	J
7440-43-9	Cadmium	0.0708	1	0.0275	0.545	J
7440-70-2	Calcium	67400	20	225	545	J
7440-47-3	Chromium	5.58	1	0.141	1.09	
7440-48-4	Cobalt	2.68	1	0.0646	1.09	
7440-50-8	Copper	7.53	1	0.202	1.09	J
7439-89-6	Iron	7870	1	1.57	4.36	B J
7440-22-4	Silver	0.212	1	0.171	1.63	J
7440-62-2	Vanadium	8.00	1	0.231	1.63	

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	20160422-026
Sampled:	04/06/16 10:50	Prepared:	04/21/16 13:00		
% Solids:	75.00	Preparation:	SW846 3051A	Initial/Final:	1.0316 g / 50 ml
Batch:	1606693	Sequence:	S603308	Calibration:	1604064
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	1.17	1	0.523	6.46	J
7439-92-1	Lead	247	20	11.5	37.3	
7439-95-4	Magnesium	11300	20	47.9	124	J
7439-96-5	Manganese	472	20	16.3	24.9	J
7440-02-0	Nickel	831	20	4.58	24.9	
7440-09-7	Potassium	1380	20	163	1240	J
7782-49-2	Selenium	37.3	20	9.92	37.3	U
7440-23-5	Sodium	233	20	198	622	J
7440-28-0	Thallium	74.6	20	16.8	74.6	U
7440-66-6	Zinc	160	1	1.14	1.24	
7429-90-5	Aluminum	14700	20	33.3	124	
7440-38-2	Arsenic	10.9	20	9.82	37.3	J
7440-39-3	Barium	197	20	3.23	24.9	
7440-41-7	Beryllium	1.78	20	0.642	12.4	J
7440-43-9	Cadmium	0.538	1	0.0313	0.622	J
7440-70-2	Calcium	50400	20	257	622	J
7440-47-3	Chromium	38.4	20	3.21	24.9	
7440-48-4	Cobalt	9.33	20	1.47	24.9	J
7440-50-8	Copper	548	20	4.60	24.9	J
7439-89-6	Iron	11800	1	1.80	4.97	B J
7440-22-4	Silver	37.3	20	3.90	37.3	U
7440-62-2	Vanadium	20.0	20	5.27	37.3	J

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	20160422-033
Sampled:	04/06/16 11:20	Prepared:	04/21/16 13:00		
% Solids:	78.67	Preparation:	SW846 3051A	Initial/Final:	1.0829 g / 50 ml
Batch:	1606693	Sequence:	S603308	Calibration:	1604064
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.87	1	0.475	5.87	U
7439-92-1	Lead	10.7	1	0.553	1.80	
7439-95-4	Magnesium	13200	20	46.2	120	J
7439-96-5	Manganese	275	1	0.784	1.20	J
7440-02-0	Nickel	9.99	1	0.220	1.20	
7440-09-7	Potassium	1310	1	7.84	59.8	J
7782-49-2	Selenium	1.80	1	0.478	1.80	U
7440-23-5	Sodium	141	1	9.54	29.9	
7440-28-0	Thallium	3.59	1	0.809	3.59	U
7440-66-6	Zinc	33.1	1	1.10	1.20	
7429-90-5	Aluminum	5780	1	1.60	5.98	
7440-38-2	Arsenic	4.02	1	0.473	1.80	
7440-39-3	Barium	34.8	1	0.156	1.20	
7440-41-7	Beryllium	0.263	1	0.0309	0.598	J
7440-43-9	Cadmium	0.121	1	0.0302	0.598	J
7440-70-2	Calcium	49900	20	248	598	J
7440-47-3	Chromium	8.71	1	0.154	1.20	
7440-48-4	Cobalt	4.31	1	0.0710	1.20	
7440-50-8	Copper	19.0	1	0.221	1.20	J
7439-89-6	Iron	10700	1	1.73	4.79	J
7440-22-4	Silver	0.317	1	0.188	1.80	J
7440-62-2	Vanadium	11.2	1	0.254	1.80	

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	20160422-034
Sampled:	04/06/16 11:45	Prepared:	04/21/16 13:00		
% Solids:	88.23	Preparation:	SW846 3051A	Initial/Final:	1.0617 g / 50 ml
Batch:	1606693	Sequence:	S603308	Calibration:	1604064
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.34	1	0.432	5.34	U
7439-92-1	Lead	345	1	0.493	1.60	
7439-95-4	Magnesium	22700	20	41.2	107	J
7439-96-5	Manganese	274	1	0.699	1.07	J
7440-02-0	Nickel	27.7	1	0.196	1.07	
7440-09-7	Potassium	1250	1	6.99	53.4	J
7782-49-2	Selenium	0.438	1	0.426	1.60	J
7440-23-5	Sodium	145	1	8.50	26.7	
7440-28-0	Thallium	3.20	1	0.721	3.20	U
7440-66-6	Zinc	186	1	0.978	1.07	
7429-90-5	Aluminum	5170	1	1.43	5.34	
7440-38-2	Arsenic	6.74	1	0.422	1.60	
7440-39-3	Barium	134	1	0.139	1.07	
7440-41-7	Beryllium	0.266	1	0.0275	0.534	J
7440-43-9	Cadmium	0.356	1	0.0269	0.534	J
7440-70-2	Calcium	82000	20	221	534	J
7440-47-3	Chromium	36.2	1	0.138	1.07	
7440-48-4	Cobalt	4.38	1	0.0633	1.07	
7440-50-8	Copper	190	1	0.197	1.07	J
7439-89-6	Iron	10800	1	1.54	4.27	B J
7440-22-4	Silver	0.576	1	0.168	1.60	J
7440-62-2	Vanadium	10.8	1	0.226	1.60	

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	20160422-035
Sampled:	04/06/16 12:10	Prepared:	04/21/16 13:00		
% Solids:	82.76	Preparation:	SW846 3051A	Initial/Final:	1.0111 g / 50 ml
Batch:	1606693	Sequence:	S603308	Calibration:	1604064
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.97	1	0.484	5.97	U
7439-92-1	Lead	5.65	1	0.527	1.71	
7439-95-4	Magnesium	16300	20	44.0	114	
7439-96-5	Manganese	250	1	0.747	1.14	
7440-02-0	Nickel	11.9	1	0.210	1.14	
7440-09-7	Potassium	1090	1	7.47	57.0	
7782-49-2	Selenium	1.71	1	0.455	1.71	U
7440-23-5	Sodium	391	1	9.09	28.5	
7440-28-0	Thallium	3.42	1	0.771	3.42	U
7440-66-6	Zinc	30.3	1	1.04	1.14	
7429-90-5	Aluminum	5220	1	1.53	5.70	
7440-38-2	Arsenic	2.82	1	0.451	1.71	
7440-39-3	Barium	24.0	1	0.148	1.14	
7440-41-7	Beryllium	0.228	1	0.0294	0.570	J
7440-43-9	Cadmium	0.125	1	0.0287	0.570	J
7440-70-2	Calcium	50700	20	236	570	
7440-47-3	Chromium	8.28	1	0.147	1.14	
7440-48-4	Cobalt	4.20	1	0.0676	1.14	
7440-50-8	Copper	13.1	1	0.211	1.14	
7439-89-6	Iron	10600	1	1.65	4.56	B
7440-22-4	Silver	0.274	1	0.179	1.71	J
7440-62-2	Vanadium	10.3	1	0.242	1.71	

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	20160422-036
Sampled:	04/06/16 12:45	Prepared:	04/21/16 13:00		
% Solids:	80.31	Preparation:	SW846 3051A	Initial/Final:	1.0384 g / 50 ml
Batch:	1606693	Sequence:	S603308	Calibration:	1604064
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	6.00	1	0.486	6.00	U
7439-92-1	Lead	5.21	1	0.527	1.71	
7439-95-4	Magnesium	14900	20	44.0	114	
7439-96-5	Manganese	289	1	0.747	1.14	
7440-02-0	Nickel	9.97	1	0.210	1.14	
7440-09-7	Potassium	1160	1	7.47	57.0	
7782-49-2	Selenium	1.71	1	0.455	1.71	U
7440-23-5	Sodium	151	1	9.09	28.5	
7440-28-0	Thallium	3.42	1	0.771	3.42	U
7440-66-6	Zinc	27.0	1	1.04	1.14	
7429-90-5	Aluminum	5330	1	1.53	5.70	
7440-38-2	Arsenic	3.04	1	0.450	1.71	
7440-39-3	Barium	27.7	1	0.148	1.14	
7440-41-7	Beryllium	0.245	1	0.0294	0.570	J
7440-43-9	Cadmium	0.116	1	0.0287	0.570	J
7440-70-2	Calcium	51200	20	236	570	
7440-47-3	Chromium	8.46	1	0.147	1.14	
7440-48-4	Cobalt	4.20	1	0.0676	1.14	
7440-50-8	Copper	10.8	1	0.211	1.14	
7439-89-6	Iron	11300	1	1.65	4.56	B
7440-22-4	Silver	0.285	1	0.179	1.71	J
7440-62-2	Vanadium	10.9	1	0.242	1.71	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	20160422-037
Sampled:	04/06/16 13:10	Prepared:	04/21/16 13:00		
% Solids:	87.40	Preparation:	SW846 3051A	Initial/Final:	1.0574 g / 50 ml
Batch:	1606693	Sequence:	S603308	Calibration:	1604064
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.41	1	0.438	5.41	U
7439-92-1	Lead	51.5	1	0.511	1.66	
7439-95-4	Magnesium	3860	1	2.13	5.53	J
7439-96-5	Manganese	243	1	0.725	1.11	J
7440-02-0	Nickel	11.4	1	0.204	1.11	
7440-09-7	Potassium	790	1	7.25	55.3	J
7782-49-2	Selenium	0.459	1	0.441	1.66	J
7440-23-5	Sodium	60.3	1	8.81	27.7	J
7440-28-0	Thallium	3.32	1	0.748	3.32	U
7440-66-6	Zinc	86.8	1	1.01	1.11	
7429-90-5	Aluminum	6480	1	1.48	5.53	
7440-38-2	Arsenic	9.26	1	0.437	1.66	
7440-39-3	Barium	49.5	1	0.144	1.11	
7440-41-7	Beryllium	0.301	1	0.0285	0.553	J
7440-43-9	Cadmium	0.287	1	0.0279	0.553	J
7440-70-2	Calcium	8220	1	11.4	27.7	J
7440-47-3	Chromium	10.8	1	0.143	1.11	
7440-48-4	Cobalt	4.44	1	0.0656	1.11	
7440-50-8	Copper	35.8	1	0.205	1.11	J
7439-89-6	Iron	12100	1	1.60	4.42	B J
7440-22-4	Silver	0.675	1	0.174	1.66	J
7440-62-2	Vanadium	12.9	1	0.235	1.66	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	20160422-038
Sampled:	04/06/16 14:00	Prepared:	04/21/16 13:00		
% Solids:	86.51	Preparation:	SW846 3051A	Initial/Final:	1.0831 g / 50 ml
Batch:	1606693	Sequence:	S603308	Calibration:	1604064
Instrument:	ICAP				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7440-36-0	Antimony	5.34	1	0.432	5.34	U
7439-92-1	Lead	8.37	1	0.486	1.58	
7439-95-4	Magnesium	17600	20	40.6	105	J
7439-96-5	Manganese	272	1	0.689	1.05	J
7440-02-0	Nickel	8.54	1	0.194	1.05	
7440-09-7	Potassium	1940	1	6.89	52.6	J
7782-49-2	Selenium	1.58	1	0.420	1.58	U
7440-23-5	Sodium	159	1	8.38	26.3	
7440-28-0	Thallium	3.16	1	0.711	3.16	U
7440-66-6	Zinc	27.6	1	0.964	1.05	
7429-90-5	Aluminum	5460	1	1.41	5.26	
7440-38-2	Arsenic	3.83	1	0.416	1.58	
7440-39-3	Barium	29.0	1	0.137	1.05	
7440-41-7	Beryllium	0.282	1	0.0271	0.526	J
7440-43-9	Cadmium	0.602	1	0.0265	0.526	
7440-70-2	Calcium	118000	20	218	526	J
7440-47-3	Chromium	7.98	1	0.136	1.05	
7440-48-4	Cobalt	3.55	1	0.0624	1.05	
7440-50-8	Copper	9.64	1	0.195	1.05	J
7439-89-6	Iron	9890	1	1.52	4.21	B J
7440-22-4	Silver	0.268	1	0.165	1.58	J
7440-62-2	Vanadium	9.49	1	0.223	1.58	

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FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	20160419-067
Sampled:	04/06/16 12:30	Prepared:	04/15/16 14:45		
% Solids:		Preparation:	SW846 3005A	Initial/Final:	50 ml / 25 ml
Batch:	1606263	Sequence:	S603548	Calibration:	1604053
Instrument:	ICAP4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-92-1	Lead	0.0075	1	0.0022	0.0075	U
7439-95-4	Magnesium	0.0526	1	0.0016	0.0100	J
7439-96-5	Manganese	0.0022	1	0.0008	0.0020	
7440-02-0	Nickel	0.0030	1	0.0021	0.0050	J
7440-09-7	Potassium	0.500	1	0.0980	0.500	U
7782-49-2	Selenium	0.0150	1	0.0036	0.0150	U
7440-23-5	Sodium	0.103	1	0.0760	0.250	J
7440-66-6	Zinc	0.0044	1	0.0024	0.0050	J
7429-90-5	Aluminum	0.0887	1	0.0122	0.0500	
7440-36-0	Antimony	0.0060	1	0.0011	0.0060	U J
7440-38-2	Arsenic	0.0040	1	0.0016	0.0040	U
7440-39-3	Barium	0.0006	1	0.0002	0.0050	J
7440-41-7	Beryllium	0.0020	1	0.0002	0.0020	U
7440-43-9	Cadmium	0.0025	1	0.0002	0.0025	U
7440-70-2	Calcium	0.268	1	0.0115	0.100	J
7440-47-3	Chromium	0.0043	1	0.0007	0.0050	J
7440-48-4	Cobalt	0.0050	1	0.0003	0.0050	U
7440-50-8	Copper	0.0050	1	0.0012	0.0050	U
7439-89-6	Iron	0.0910	1	0.0045	0.0150	J
7440-22-4	Silver	0.0050	1	0.0008	0.0050	U R
7440-28-0	Thallium	0.0050	1	0.0021	0.0050	U
7440-62-2	Vanadium	0.0050	1	0.0008	0.0050	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	042116-085
Sampled:	04/06/16 10:30	Prepared:	04/18/16 17:15		
% Solids:	84.55	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.66 g / 29.9 ml
Batch:	1606277	Sequence:	S603594	Calibration:	1604059
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0323	1	0.0101	0.0323	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	042116-086
Sampled:	04/06/16 10:50	Prepared:	04/18/16 17:15		
% Solids:	75.00	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6484 g / 29.9 ml
Batch:	1606277	Sequence:	S603594	Calibration:	1604059
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.111	1	0.0116	0.0370	

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	042116-091
Sampled:	04/06/16 11:20	Prepared:	04/18/16 17:15		
% Solids:	78.67	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6286 g / 29.9 ml
Batch:	1606277	Sequence:	S603594	Calibration:	1604059
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0214	1	0.0114	0.0364	J

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	042116-092
Sampled:	04/06/16 11:45	Prepared:	04/18/16 17:15		
% Solids:	88.23	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.639 g / 29.9 ml
Batch:	1606277	Sequence:	S603594	Calibration:	1604059
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0443	1	0.0100	0.0319	

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	042116-095
Sampled:	04/06/16 12:10	Prepared:	04/18/16 17:15		
% Solids:	82.76	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6088 g / 29.9 ml
Batch:	1606277	Sequence:	S603594	Calibration:	1604059
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0357	1	0.0112	0.0357	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	042116-096
Sampled:	04/06/16 12:45	Prepared:	04/18/16 17:15		
% Solids:	80.31	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.623 g / 29.9 ml
Batch:	1606277	Sequence:	S603594	Calibration:	1604059
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0360	1	0.0113	0.0360	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	042116-097
Sampled:	04/06/16 13:10	Prepared:	04/18/16 17:15		
% Solids:	87.40	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.6522 g / 29.9 ml
Batch:	1606277	Sequence:	S603594	Calibration:	1604059
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.136	1	0.0099	0.0316	

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 7471B

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	042116-098
Sampled:	04/06/16 14:00	Prepared:	04/18/16 17:15		
% Solids:	86.51	Preparation:	EPA200/SW7000 Series	Initial/Final:	0.627 g / 29.9 ml
Batch:	1606277	Sequence:	S603594	Calibration:	1604059
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.0332	1	0.0104	0.0332	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	041916-082
Sampled:	04/06/16 12:30	Prepared:	04/15/16 15:00		
% Solids:		Preparation:	EPA200/SW7000 Series	Initial/Final:	20 ml / 20 ml
Batch:	1606264	Sequence:	S603593	Calibration:	1604057
Instrument:	Mercury4				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
7439-97-6	Mercury	0.00020	1	0.00009	0.00020	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	1606152_041316-033
Sampled:	04/06/16 10:30	Prepared:	04/13/16 11:41	Analyzed:	04/13/16 18:30
% Solids:	84.55	Preparation:	General Preparation	Initial/Final:	0.5261 g / 50 ml
Batch:	1606152	Sequence:	S603006	Calibration:	1604019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.393	1	0.380	0.562	J

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	OM_4-15-2016_06-19-44PM-019
Sampled:	04/06/16 10:50	Prepared:	04/15/16 09:11	Analyzed:	04/15/16 18:36
% Solids:	75.00	Preparation:	General Preparation	Initial/Final:	0.6631 g / 50 ml
Batch:	1606323	Sequence:	S603094	Calibration:	1604027
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	7.00	1	0.340	0.503	J

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	1606152_041316-034
Sampled:	04/06/16 11:20	Prepared:	04/13/16 11:41	Analyzed:	04/13/16 18:31
% Solids:	78.67	Preparation:	General Preparation	Initial/Final:	0.5054 g / 50 ml
Batch:	1606152	Sequence:	S603006	Calibration:	1604019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.460	1	0.425	0.629	J

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	1606152_041316-035
Sampled:	04/06/16 11:45	Prepared:	04/13/16 11:41	Analyzed:	04/13/16 18:32
% Solids:	88.23	Preparation:	General Preparation	Initial/Final:	0.5065 g / 50 ml
Batch:	1606152	Sequence:	S603006	Calibration:	1604019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.559	1	0.378	0.559	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	1606152_041316-036
Sampled:	04/06/16 12:10	Prepared:	04/13/16 11:41	Analyzed:	04/13/16 18:33
% Solids:	82.76	Preparation:	General Preparation	Initial/Final:	0.5474 g / 50 ml
Batch:	1606152	Sequence:	S603006	Calibration:	1604019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.552	1	0.373	0.552	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	1606152_041316-037
Sampled:	04/06/16 12:45	Prepared:	04/13/16 11:41	Analyzed:	04/13/16 18:34
% Solids:	80.31	Preparation:	General Preparation	Initial/Final:	0.5136 g / 50 ml
Batch:	1606152	Sequence:	S603006	Calibration:	1604019
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.606	1	0.410	0.606	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	OM_4-15-2016_06-19-44PM-023
Sampled:	04/06/16 13:10	Prepared:	04/15/16 09:11	Analyzed:	04/15/16 18:39
% Solids:	87.40	Preparation:	General Preparation	Initial/Final:	0.5766 g / 50 ml
Batch:	1606323	Sequence:	S603094	Calibration:	1604027
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.496	1	0.335	0.496	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 9012B

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	OM_4-15-2016_06-19-44PM-024
Sampled:	04/06/16 14:00	Prepared:	04/15/16 09:11	Analyzed:	04/15/16 18:40
% Solids:	86.51	Preparation:	General Preparation	Initial/Final:	0.6066 g / 50 ml
Batch:	1606323	Sequence:	S603094	Calibration:	1604027
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/kg dry)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.476	1	0.322	0.476	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 335.4 / SW846 9012B

061-FB-04-06-2016

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Distilled Water	Laboratory ID:	SC20027-11	File ID:	OM_4-15-2016_06-19-44PM-034
Sampled:	04/06/16 12:30	Prepared:	04/15/16 16:10	Analyzed:	04/15/16 18:49
% Solids:		Preparation:	General Preparation	Initial/Final:	50 ml / 50 ml
Batch:	1606375	Sequence:	S603095	Calibration:	1604027
Instrument:	Lachat2				
Reported to:	MRL				

CAS NO.	Analyte	Result (mg/l)	Dilution Factor	MDL	MRL	Q
57-12-5	Cyanide (total)	0.00500	1	0.00425	0.00500	U

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

053-TB-H-1 (9.2-11.2)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-01	File ID:	
Sampled:	04/06/16 10:30	Prepared:	04/13/16 13:11	Analyzed:	04/13/16 17:24
% Solids:	84.55	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606161	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	84.5	1			

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

054-TB-W-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-02	File ID:	
Sampled:	04/06/16 10:50	Prepared:	04/13/16 13:11	Analyzed:	04/13/16 17:24
% Solids:	75.00	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606161	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	75.0	1			

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

055-TB-R-1 (8-10)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-04	File ID:	
Sampled:	04/06/16 11:20	Prepared:	04/13/16 13:11	Analyzed:	04/13/16 17:24
% Solids:	78.67	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606161	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	78.7	1			

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

056-TB-M-1 (8-11.7)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-05	File ID:	
Sampled:	04/06/16 11:45	Prepared:	04/13/16 13:11	Analyzed:	04/13/16 17:24
% Solids:	88.23	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606161	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	88.2	1			

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

057-TB-N-1 (6-8.5)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-06	File ID:	
Sampled:	04/06/16 12:10	Prepared:	04/13/16 13:11	Analyzed:	04/13/16 17:24
% Solids:	82.76	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606161	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	82.8	1			

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

058-TB-O-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-07	File ID:	
Sampled:	04/06/16 12:45	Prepared:	04/13/16 13:11	Analyzed:	04/13/16 17:24
% Solids:	80.31	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606161	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	80.3	1			

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

059-TB-I-1 (0-4)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-08	File ID:	
Sampled:	04/06/16 13:10	Prepared:	04/13/16 13:11	Analyzed:	04/13/16 17:24
% Solids:	87.40	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606161	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	87.4	1			

LW6/12/16

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2540 G Mod.

060-TB-P-1 (8-11.8)

Laboratory:	Eurofins Spectrum Analytical, Inc. - MA			SDG:	20027
Client:	Day Environmental, Inc.			Project:	McAlpin - Rochester, NY
Project Number:	5211S-16			Received:	04/08/16 12:40
Matrix:	Soil	Laboratory ID:	SC20027-10	File ID:	
Sampled:	04/06/16 14:00	Prepared:	04/13/16 13:11	Analyzed:	04/13/16 17:24
% Solids:	86.51	Preparation:	General Preparation	Initial/Final:	1 g / 1 ml
Batch:	1606161	Sequence:		Calibration:	
Instrument:	Inst				
Reported to:	MRL				

CAS NO.	Analyte	Result (%)	Dilution Factor	MDL	MRL	Q
solids	% Solids	86.5	1			

LW6/12/16

ATTACHMENT B

CASE NARRATIVE & COC

Sample Identification and Analytical Requirements Summary

Project Name: McAlpin - Rochester, NY SDG: SC20027

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
053-TB-H-1 (9.2-11.2)	SC20027-01	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
054-TB-W-1 (0-4)	SC20027-02	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
TB-W-1 (4-8)	SC20027-03					-
055-TB-R-1 (8-10)	SC20027-04	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
056-TB-M-1 (8-11.7)	SC20027-05	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
057-TB-N-1 (6-8.5)	SC20027-06	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
058-TB-O-1 (8-11.8)	SC20027-07	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
059-TB-I-1 (0-4)	SC20027-08	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
TB-P-1 (4-8)	SC20027-09					-
060-TB-P-1 (8-11.8)	SC20027-10	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	SW846 6010C SW846 7471B varies	SM2540 G Mod. SW846 9012B
061-FB-04-06-2016	SC20027-11	SW846 8260C SW846 8260C TICs	SW846 8270D SW846 8270D TICS	SW846 8081B SW846 8082A	EPA 245.1/7470A SW846 6010C varies	EPA 335.4 / SW846 9012B

SC20027

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

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Special Handling:

☑ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental
1563 Lyell Avenue
Rochester, NY, 14606
Telephone #: (585) 454-0210
Project Mgr: Heather McLennan

Invoice To: SAME
P.O No.: _____ Quote #: _____

Project No: 5211S-16
Site Name: McAlpin
Location: 50 Balfour Dr., Rochester State: NY
Sampler(s): Samantha Shoemaker

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: TCL VOCs & TICs 8260	TCL SVOCs & TICs 8270	TAL Metals 6010/7471	Cyanide 9012	Pesticides 8081	PCBs 8082	Check if chlorinated	List Preservative Code below: 7
20027-01	053-TB-H-1 (9.2-11.2)	4/6/2016	10:30 AM	G	SO	3	5			x	x	x	x	x	x	☐	Low level VOCs frozen 4/6/16, 17:00
-02	054-TB-W-1 (0-4)	4/6/2016	10:50 AM	G	SO	5	6			x	x	x	x	x	x	☐	Low level VOCs frozen 4/6/16, 17:00, MS/MSD
-03	TB-W-1 (4-8)	4/6/2016	11:00 AM	G	SO	3	2									☐	Hold, Low level VOCs frozen 4/6/16, 17:00
-04	055-TB-R-1 (8-10)	4/6/2016	11:20 AM	G	SO	3	3			x	x	x	x	x	x	☐	Low level VOCs frozen 4/6/16, 17:00
-05	056-TB-M-1 (8-11.7)	4/6/2016	11:45 AM	G	SO	3	3			x	x	x	x	x	x	☐	Low level VOCs frozen 4/6/16, 17:00
-06	057-TB-N-1 (6-8.5)	4/6/2016	12:10 PM	G	SO	3	4			x	x	x	x	x	x	☐	Low level VOCs frozen 4/6/16, 17:00
-07	058-TB-O-1 (8-11.8)	4/6/2016	12:45 PM	G	SO	3	4			x	x	x	x	x	x	☐	Low level VOCs frozen 4/6/16, 17:00
-08	059-TB-I-1 (0-4)	4/6/2016	1:10 PM	G	SO	3	4			x	x	x	x	x	x	☐	Low level VOCs frozen 4/6/16, 17:00
-09	TB-P-1 (4-8)	4/6/2016	1:45 PM	G	SO	3	4									☐	Hold, Low level VOCs frozen 4/6/16, 17:00
-10	060-TB-P-1 (8-11.8)	4/6/2016	2:00 PM	G	SO	3	4			x	x	x	x	x	x	☐	Low level VOCs frozen 4/6/16, 17:00

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
H ML	Cyntha	4/8/16	14:04	Observed 0.5
Cynthia	Jen	4/12/16	1210	Correction Factor 0
				Corrected 0.5
4.1 LO H.1 IR 3	CAS 4/7/16			IR ID # 01

☑ EDD format: NYSDEC Equis
☑ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☒ DI VOA Frozen ☐ Soil Jar Frozen

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CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC20027

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 20027

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8260C, SW846 8260C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 5030 Water MS.

Soil/Sediment samples were prepared according to SW846 5035A Soil (high level).

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

Soil/Sediment samples were prepared according to SW846 5035A Soil (low level).

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8260C, SW846 8260C:

HPV3 details: GC/MS Tekmar ALS 2016 and ALS 2032 purge and trap autosamplers
Tekmar 3100 sample concentrator Supelco vocarb 3000 (K) trap and
conditions used Agilent 7890A series gas chromatograph
Agilent 5975C Mass Selective Detector Column – DB-VRX,
20 meters, 0.18mm diameter 1.0um film

HPV8 details: GC/MS Tekmar Solatek 72 multi-matrix vial autosampler
Tekmar Stratum sample concentrator Tekmar #9, U-shape trap and conditions used
Agilent 6890N series gas chromatograph Agilent 5973 Mass Selective Detector
Column - DB-VRX, 20 meters, 0.18mm diameter 1.0um film

HPV9 details: GC/MS EST Model 8100 autosampler EST Encon sample concentrator
Supelco vocarb 3000 (K) trap and conditions used Agilent 6890N series
gas chromatograph Agilent 5975 Mass Selective Detector
Column – DB-VRX, 20 meters, 0.18mm diameter 1.0um film

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1603012:

The following analytes, Acetone and 2-Butanone (MEK), are flagged on Form VI – Initial Calibration Data, for ICAL 1603012/V3031016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 2-Butanone (MEK)

This affected the following samples:

S602008-ICV1

In calibration 1604002:

The following analytes, Acetone, 2-Butanone (MEK), 1,2-Dibromo-3-Chloropropane, 2-Hexanone (MBK) and 4-Methyl-2-Pentanone (MIBK), are flagged on Form VI – Initial Calibration Data, for ICAL 1604002/S9033016.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromoform, Carbon disulfide, cis-1,3-Dichloropropene, Dibromochloromethane, Naphthalene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene

This affected the following samples:

S603017-CCV1, S602674-ICV1, 1606215-MSD1, 1606215-MS1, 1606215-BSD1, 1606215-BS1, 1606215-BLK1, 060-TB-P-1 (8-11.8), 059-TB-I-1 (0-4), 058-TB-O-1 (8-11.8), 057-TB-N-1 (6-8.5), 056-TB-M-1 (8-11.7), 054-TB-W-1 (0-4), 053-TB-H-1 (9.2-11.2)

In calibration 1604025:

The following analytes, Acetone and 2-Butanone (MEK), are flagged on Form VI – Initial Calibration Data, for ICAL 1604025/V8041316.M, due to failing the minimum RF criteria. Sensitivity is verified by evaluating Levels of Quantitation, with each new calibration. This is done by recalculating data points used for the calibration under the new method. Form IIc – Low-Concentration Calibration Verification summarizes the recoveries for all analytes at the level of quantitation.

Analyte quantified by quadratic type calibration: 1,1,1,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,3,5-

Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 2-Chlorotoluene, 4-Chlorotoluene, 4-Isopropyltoluene, Bromoform, Carbon tetrachloride, cis-1,3-Dichloropropene, Dibromochloromethane, Ethylbenzene, Hexachlorobutadiene, m,p-Xylene, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrachloroethene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene

This affected the following samples:

S603073-CCV1, S603002-ICV1, 1606329-BSD1, 1606329-BS1, 1606329-BLK1, 061-FB-04-06-2016

In sample S602674-ICV1:

Analyte percent recovery is outside individual acceptance criteria (80-120).

2-Chlorotoluene (123%)

This affected the following samples:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8), 1606215-BLK1, 1606215-BS1, 1606215-BSD1, 1606215-MS1, 1606215-MSD1, S603017-CCV1

In sample S603002-ICV1:

Analyte percent recovery is outside individual acceptance criteria (80-120).

1,1-Dichloroethene (127%)
Cyclohexane (0%)
Methyl acetate (0%)
Methylcyclohexane (0%)

This affected the following samples:

061-FB-04-06-2016, 1606329-BLK1, 1606329-BS1, 1606329-BSD1, S603073-CCV1

In sample S602972-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2-Trichlorotrifluoroethane (Freon 113) (24.1%)
1,2-Dibromo-3-chloropropane (-33.4%)
Bromoform (-20.5%)
Dichlorodifluoromethane (Freon12) (26.0%)
Ethanol (48.3%)
Methyl acetate (-26.0%)
Tetrachloroethene (25.2%)
Tetrahydrofuran (-22.0%)
trans-1,4-Dichloro-2-butene (-21.1%)
Trichlorofluoromethane (Freon 11) (22.9%)

This affected the following samples:

055-TB-R-1 (8-10), 1606144-BLK1, 1606144-BS1, 1606144-BSD1

In sample S603017-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Carbon tetrachloride (-20.1%)
Dichlorodifluoromethane (Freon12) (-21.2%)
Methyl acetate (-26.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,4-Trichlorobenzene (-21.0%)
Naphthalene (-34.1%)

This affected the following samples:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8), 1606215-BLK1, 1606215-BS1, 1606215-BSD1, 1606215-MS1, 1606215-MSD1

In sample S603071-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-35.9%)
4-Methyl-2-pentanone (MIBK) (-21.8%)
Bromoform (-25.6%)
Tert-Butanol / butyl alcohol (-21.5%)
Tetrachloroethene (23.4%)
Tetrahydrofuran (-24.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Acetone (-39.4%)

This affected the following samples:

057-TB-N-1 (6-8.5), 1606326-BLK1, 1606326-BS1, 1606326-BSD1

In sample S603073-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2,3-Trichloropropane (22.6%)
1,4-Dioxane (56.0%)
Bromomethane (-20.2%)
Ethanol (42.5%)

This affected the following samples:

061-FB-04-06-2016, 1606329-BLK1, 1606329-BS1, 1606329-BSD1

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1606144, sample 1606144-BLK1: None found

Tentatively Identified Compounds in batch 1606215, sample 1606215-BLK1: None found

Tentatively Identified Compounds in batch 1606326, sample 1606326-BLK1: None found

Tentatively Identified Compounds in batch 1606329, sample 1606329-BLK1: None found

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

1,2-Dibromo-3-chloropropane, Ethanol in batch 1606144, samples 1606144-BS1, 1606144-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

1,2-Dibromo-3-chloropropane in batch 1606326, samples 1606326-BS1, 1606326-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Ethanol in batch 1606329, samples 1606329-BS1, 1606329-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2,2-Dichloropropane in batch 1606329, sample 1606329-BSD1: The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

<u>In batch 1606144 BS/BSD:</u>

1,2-Dibromo-3-chloropropane percent recoveries (67/67) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

055-TB-R-1 (8-10)

Ethanol percent recoveries (153/146) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

055-TB-R-1 (8-10)

<u>In batch 1606326 BS/BSD:</u>

1,2-Dibromo-3-chloropropane percent recoveries (69/68) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

057-TB-N-1 (6-8.5)

Acetone percent recoveries (61/61) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

057-TB-N-1 (6-8.5)

In batch 1606329 BS/BSD:

1,4-Dioxane percent recoveries (156/151) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

061-FB-04-06-2016

Ethanol percent recoveries (143/136) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

061-FB-04-06-2016

In batch 1606329 BSD:

2,2-Dichloropropane RPD 22% (20%) is outside individual acceptance criteria.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1606215 from source sample 054-TB-W-1 (0-4) (SC20027-02).

In batch 1606215 from source sample 054-TB-W-1 (0-4) (SC20027-02).

All method criteria were met with the following exceptions:

1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane (EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2-Butanone (MEK), 2-Chlorotoluene, 2-Hexanone (MBK), 4-Chlorotoluene, 4-Isopropyltoluene, Acetone, Acrylonitrile, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m,p-Xylene, Methyl acetate, Methylcyclohexane, Methylene chloride, Naphthalene, n-Butylbenzene, n-Propylbenzene, o-Xylene, sec-Butylbenzene, Styrene, Tert-amyl methyl ether, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene, Trichloroethene in batch 1606215, lab sample 1606215-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Naphthalene in batch 1606215, lab sample 1606215-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): RPD out of acceptance range.

1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane (EDB), 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3,5-Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2,2-Dichloropropane, 2-Butanone (MEK), 2-Chlorotoluene, 2-Hexanone (MBK), 4-Chlorotoluene, 4-Isopropyltoluene, 4-Methyl-2-pentanone (MIBK), Acetone, Acrylonitrile, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Dibromomethane, Ethyl ether, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, m,p-Xylene, Methyl acetate, Methylcyclohexane, Methylene chloride, n-Butylbenzene, n-Propylbenzene, o-Xylene, sec-Butylbenzene, Styrene, Tert-amyl methyl ether, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, trans-1,4-Dichloro-2-butene, Trichloroethene in batch 1606215, lab sample 1606215-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

In batch 1606144, sample 055-TB-R-1 (8-10) (SC20027-04): (Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

In batch 1606144, sample 055-TB-R-1 (8-10) (SC20027-04): Elevated Reporting Limits due to the presence of high levels of non-target analytes; sample may not meet client requested reporting limit for this reason.

1H-Indene,2,3-dihydro-2,2-d..., 1-Methyldecahydronaphthalene, Benzene, 1-ethyl-2,4-dimethyl-, Cyclohexane, 1,1,3-trimethyl-, Cyclohexane, 1,3-dimethyl-,..., Cyclohexane, 2-butyl-1,1,3-..., Dodecane, Dodecane, 2,6,10-trimethyl-, Naphthalene, 1-ethyl-, Naphthalene, decahydro-, tr..., Naphthalene, decahydro-2-me..., trans-Decalin, 2-methyl-, Tridecane, Undecane, Undecane, 2,6-dimethyl- in batch 1606215, samples 053-TB-H-1 (9.2-11.2) (SC20027-01), 054-TB-W-1 (0-4) (SC20027-02), 056-TB-M-1 (8-11.7) (SC20027-05), 057-TB-N-1 (6-8.5) (SC20027-06): (Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

Trichloroethene in batch 1606215, sample 057-TB-N-1 (6-8.5) (SC20027-06): This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

In batch 1606326, sample 057-TB-N-1 (6-8.5) (SC20027-06RE1): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC20027

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 20027

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8270D, SW846 8270D.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8270D, SW846 8270D:

HPS5 details: Agilent 6890 with 5973 MS: Agilent HP-5MS (30M, 0.25mm, 0.25um)

HPS8 details: Agilent 6890 with 5973 MS: Agilent HP-5MS (30M, 0.25mm, 0.25um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1602028:

The following analytes, Benzidine & Benzaldehyde, are flagged on Form VI – Initial Calibration Data, for ICAL 1602028/SV80211R.M.M, due to a rounding discrepancy. Please refer to the raw data for further verification.

Analyte quantified by quadratic type calibration: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Benzidine, Benzoic acid

This affected the following samples:

S603178-CCV1, S602969-CCV1, S601180-ICV1, 1606002-BSD1, 1606002-BS1, 1606002-BLK1, 061-FB-04-06-2016

In sample S602969-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dichlorobenzene (-21.2%)
2,4,5-Trichlorophenol (23.8%)
2,4,6-Trichlorophenol (20.6%)
2,6-Dinitrotoluene (23.4%)
2-Nitroaniline (27.4%)
4-Nitroaniline (26.7%)
4-Nitrophenol (156%)
Indeno (1,2,3-cd) pyrene (25.9%)
Pyridine (-22.7%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

2,4-Dinitrophenol (28.2%)
Benzoic acid (24.2%)

This affected the following samples:

1606002-BLK1, 1606002-BS1, 1606002-BSD1

In sample S603121-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,3-Dichlorobenzene (-31.9%)
2,4,5-Trichlorophenol (21.2%)
Aniline (-38.6%)
Benzo (a) anthracene (-20.6%)
Benzo (k) fluoranthene (28.7%)
Benzyl alcohol (-36.0%)
Hexachlorocyclopentadiene (-23.8%)
Pentachlorophenol (-28.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (53.0%)
Benzoic acid (-34.4%)

This affected the following samples:

1606273-BLK1, 1606273-BS1, 1606273-BSD1

In sample S603178-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,4-Dinitrotoluene (21.7%)
2,6-Dinitrotoluene (23.0%)
2-Nitroaniline (26.7%)
4-Chloro-3-methylphenol (20.5%)
Dimethyl phthalate (20.9%)
Hexachlorocyclopentadiene (32.2%)
Indeno (1,2,3-cd) pyrene (20.5%)
Pentachlorophenol (-40.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzoic acid (-21.1%)

This affected the following samples:

061-FB-04-06-2016

In sample S603276-CCV1:

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2,4-Dinitrotoluene (23.4%)
4-Chloro-3-methylphenol (22.0%)
Hexachlorobutadiene (22.3%)
Hexachlorocyclopentadiene (51.5%)

This affected the following samples:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 055-TB-R-1 (8-10), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8), 1606273-MS1, 1606273-MSD1

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Tentatively Identified Compounds in batch 1606002, sample 1606002-BLK1: None found

3-Penten-2-one, 4-methyl- in batch 1606273, sample 1606273-BLK1: (Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

C. Surrogates:

All method criteria were met with the following exceptions:

Terphenyl-dl4 in batch 1606273, sample 1606273-BS1: Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Nitrobenzene-d5 in batch 1606273, sample 055-TB-R-1 (8-10) (SC20027-04): Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

The surrogate recovery of 2,4,6-Tribromophenol is outside of established control limits in S602969-CCV1 and surrogate recovery of 2- Fluorophenol is outside of established control limits in S603178-CCV1. Surrogate recoveries are based on sample extraction, however for CCVs the surrogates are directly injected and may result in higher recoveries.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

Benzidine, Benzoic acid, Pyridine in batch 1606002, samples 1606002-BS1, 1606002-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2,4-Dinitrophenol, 4-Nitrophenol, Azobenzene/Diphenyldiazene, N-Nitrosodimethylamine in batch 1606002, sample 1606002-BSD1: The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

1,3-Dichlorobenzene, Aniline, Benzidine, Benzoic acid, Benzyl alcohol, Hexachlorocyclopentadiene, N-Nitrosodimethylamine, Phenol, Pyridine in batch 1606273, samples 1606273-BS1, 1606273-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Benzoic acid in batch 1606273, sample 1606273-BSD1: RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Benzidine in batch 1606273, samples 1606273-BS1, 1606273-BSD1: This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

<u>In batch 1606002 BS/BSD:</u>

Benzidine percent recoveries (154/137) are outside individual acceptance criteria (40-140), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

061-FB-04-06-2016

Benzoic acid percent recoveries (31/27) are outside individual acceptance criteria (30-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

061-FB-04-06-2016

Pyridine percent recoveries (45/39) are outside individual acceptance criteria (40-140), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

061-FB-04-06-2016

<u>In batch 1606273 BS:</u>

1,3-Dichlorobenzene percent recovery 31 (40-140) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 055-TB-R-1 (8-10), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8)

Aniline percent recovery 32 (40-140) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 055-TB-R-1 (8-10), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8)

Benzidine percent recovery 192 (40-140) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 055-TB-R-1 (8-10), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8)

Benzoic acid percent recovery 22 (30-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 055-TB-R-1 (8-10), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8)

Benzyl alcohol percent recovery 37 (40-140) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 055-TB-R-1 (8-10), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8)

Hexachlorocyclopentadiene percent recovery 38 (40-140) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 055-TB-R-1 (8-10), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8)

N-Nitrosodimethylamine percent recovery 38 (40-140) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 055-TB-R-1 (8-10), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8)

Phenol percent recovery 28 (30-130) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 055-TB-R-1 (8-10), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8)

Pyridine percent recovery 34 (40-140) is outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

053-TB-H-1 (9.2-11.2), 054-TB-W-1 (0-4), 055-TB-R-1 (8-10), 056-TB-M-1 (8-11.7), 057-TB-N-1 (6-8.5), 058-TB-O-1 (8-11.8), 059-TB-I-1 (0-4), 060-TB-P-1 (8-11.8)

In batch 1606002 BSD:

2,4-Dinitrophenol RPD 23% (20%) is outside individual acceptance criteria.

4-Nitrophenol RPD 35% (20%) is outside individual acceptance criteria.

Azobenzene/Diphenyldiazene RPD 22% (20%) is outside individual acceptance criteria.

N-Nitrosodimethylamine RPD 23% (20%) is outside individual acceptance criteria.

In batch 1606273 BSD:

Benzoic acid RPD 36% (30%) is outside individual acceptance criteria.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1606273 from source sample 054-TB-W-1 (0-4) (SC20027-02).

In batch 1606273 from source sample 054-TB-W-1 (0-4) (SC20027-02).

All method criteria were met with the following exceptions:

Aniline, Benzidine, Benzoic acid, Hexachlorocyclopentadiene, Pyridine in batch 1606273, lab sample 1606273-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

2,4-Dinitrophenol, 3,3´-Dichlorobenzidine, Anthracene, Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Benzo (k) fluoranthene, Chrysene, Di-n-butyl phthalate, Fluoranthene, Indeno (1,2,3-cd) pyrene, Pentachloronitrobenzene, Phenanthrene, Pyrene in batch 1606273, lab sample 1606273-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Aniline, Benzidine, Benzoic acid, Pyridine in batch 1606273, lab sample 1606273-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Benzyl alcohol in batch 1606273, lab sample 1606273-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): RPD out of acceptance range.

Benzo (a) anthracene, Benzo (b) fluoranthene in batch 1606273, lab sample 1606273-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

2,4-Dinitrophenol, 3,3´-Dichlorobenzidine, Anthracene, Benzo (a) anthracene, Benzo (a) pyrene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Benzo (k) fluoranthene, Carbazole, Chrysene, Fluoranthene, Hexachlorocyclopentadiene, Indeno (1,2,3-cd) pyrene, Phenanthrene, Pyrene in

batch 1606273, lab sample 1606273-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

1H-Cyclopropa[l]phenanthren..., 3-Penten-2-one, 4-methyl-, 9-Octadecenamide, (Z)-, Cyclohexane, 2-butyl-1,1,3-..., Decahydro-4,4,8,9,10-pentam..., Decahydro-4,4,8,9,10-pentam... (01), Dodecane, 6-methyl-, Naphthalene, 1,3-dimethyl- (01), Naphthalene, 1,4,6-trimethyl-, Naphthalene, 1,6,7-trimethyl-, Naphthalene, 1,6,7-trimethyl- (03), Naphthalene, 2,3-dimethyl-, Naphthalene, 2-methyl-1-pro..., Phenanthrene, 2,5-dimethyl-, tridecane, 5-propyl-, Undecane, 2,5-dimethyl-, Undecane, 2,6-dimethyl- in batch 1606273, samples 053-TB-H-1 (9.2-11.2) (SC20027-01), 055-TB-R-1 (8-10) (SC20027-04), 056-TB-M-1 (8-11.7) (SC20027-05), 060-TB-P-1 (8-11.8) (SC20027-10): (Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.

In batch 1606273, samples 054-TB-W-1 (0-4) (SC20027-02), 055-TB-R-1 (8-10) (SC20027-04), 056-TB-M-1 (8-11.7) (SC20027-05), 058-TB-O-1 (8-11.8) (SC20027-07), 059-TB-I-1 (0-4) (SC20027-08): The Reporting Limit has been raised to account for matrix interference.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC20027

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 20027

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8082A.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8082A:

HPS11 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) and DB-5MS column ((30m, 0.53mmID 1.50 df)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1606319 from source sample 054-TB-W-1 (0-4) (SC20027-02).

All method criteria were met.

E. Duplicates:

A duplicate was analyzed.

In batch 1606121 from source sample 061-FB-04-06-2016 (SC20027-11).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC20027

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 20027

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8081B.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

Soil/Sediment samples were prepared according to SW846 3545A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8081B:

HPS14 details: Agilent 6890 RTX-CLPesticides 2 column (30m, 0.53mmID, 0.42um)
RTX-CLP confirmation column (30m, 0.53mmID, 0.5um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met with the following exceptions:

Decachlorobiphenyl (Sr) in batch 1606318, samples 053-TB-H-1 (9.2-11.2) (SC20027-01), 055-TB-R-1 (8-10) (SC20027-04), 056-TB-M-1 (8-11.7) (SC20027-05): The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1606318 from source sample 054-TB-W-1 (0-4) (SC20027-02).

All method criteria were met with the following exceptions:

4,4'-DDE (p,p'), 4,4'-DDT (p,p'), Dieldrin [2C], Endosulfan sulfate [2C], Endrin, gamma-Chlordane, Heptachlor epoxide in batch 1606318, lab sample 1606318-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

4,4'-DDE (p,p'), 4,4'-DDE (p,p') [2C], 4,4'-DDT (p,p'), 4,4'-DDT (p,p') [2C], Alachlor, Alachlor [2C], Aldrin [2C], delta-BHC [2C], Dieldrin [2C], Endosulfan sulfate, Endosulfan sulfate [2C], Endrin ketone [2C], gamma-BHC (Lindane) [2C], gamma-Chlordane, gamma-Chlordane [2C], Heptachlor [2C], Heptachlor epoxide [2C], Methoxychlor [2C] in batch 1606318, lab sample 1606318-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): RPD out of acceptance range.

4,4'-DDT (p,p'), Dieldrin [2C], Endosulfan sulfate [2C], Endrin, gamma-Chlordane, Heptachlor epoxide in batch 1606318, lab sample 1606318-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

A duplicate was analyzed.

In batch 1606122 from source sample 061-FB-04-06-2016 (SC20027-11).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met with the following exceptions:

4,4'-DDT (p,p') [2C] in batch 1606318, sample 054-TB-W-1 (0-4) (SC20027-02): Difference between the two GC columns is greater than 40%.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC20027

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 20027

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 6010C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3005A.

Soil/Sediment samples were prepared according to SW846 3050B.

Soil/Sediment samples were prepared according to SW846 3051A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 6010C:

ICAP details: Thermo ICAP 6000 series CETAC Autosampler

ICAP4 details: Thermo ICAP 6000 series CETAC Autosampler

All sample data within this SDG was generated after ICP-AES interelement corrections and background corrections were applied.

Samples are diluted when concentrations exceed the highest calibration standard in the associated curve, therefore Linear Ranges are not performed.

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

The following analyte, Vanadium, is flagged on Form VI – Initial Calibration Data, for ICAL 1604054 / icap042016, due to a rounding discrepancy. Please refer to the raw data

In sample S603308-IFB2:

IFB2 was rerun as IFB3, which passed within method limits.

Antimony

In sample S603548-CRL1:

Low level calibration check failed, data was accepted due to sample concentrations being < RDL and estimated.

Antimony

In sample S603548-CRL1:

Low level calibration check failed, reporting limit has been elevated.

Aluminum

In sample S603548-CRL3:

CRL3 was rerun as CRL4, which passed within method limits.

Zinc

In sample S603548-CRL5:

CRL5 was rerun as CRL6, which passed within method limits.

Zinc

In sample S603548-CRL5:

Low level calibration check failed, reporting limit has been elevated.

Aluminum

In sample S603548-CRL6:

Low level calibration check failed, reporting limit has been elevated.

Aluminum

In sample S603569-CCV1:

Iron in sequence S603569, sample S603569-CCV1: CCV1 was rerun as CCV2, which passed within method limits.

B. Blanks:

All blanks were within the acceptance criteria with the following exceptions:

Iron in batch 1606639, sample 1606639-BLK1: The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.

Antimony in batch S603548, sample S603548-ICB1: ICB1 was rerun as CCB1, which passed below the reporting limit.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

Silver in batch 1606263, sample 1606263-BSD1: RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Antimony in batch 1606263, sample 1606263-BSD1: The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Antimony, Silver in batch 1606263, sample 1606263-BS1: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1606263 from source sample 061-FB-04-06-2016 (SC20027-11).

In batch 1606276 from source sample 054-TB-W-1 (0-4) (SC20027-02).

In batch 1606639 from source sample 054-TB-W-1 (0-4) (SC20027-02).

In batch 1606693 from source sample 054-TB-W-1 (0-4) (SC20027-02).

All method criteria were met with the following exceptions:

Silver in batch 1606263, lab sample 1606263-MS1 from source sample 061-FB-04-06-2016 (SC20027-11): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Silver in batch 1606263, lab sample 1606263-MSD1 from source sample 061-FB-04-06-2016 (SC20027-11): RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Aluminum, Calcium, Magnesium in batch 1606276, lab sample 1606276-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Potassium in batch 1606276, lab sample 1606276-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Copper, Manganese in batch 1606276, lab sample 1606276-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Aluminum, Calcium, Magnesium in batch 1606276, lab sample 1606276-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The RPD and/or percent recovery for this QC spike

sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Potassium in batch 1606276, lab sample 1606276-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Manganese in batch 1606276, lab sample 1606276-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Nickel in batch 1606276, lab sample 1606276-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Iron in batch 1606639, lab sample 1606639-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Iron in batch 1606639, lab sample 1606639-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Zinc in batch 1606639, lab sample 1606639-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Cadmium in batch 1606639, lab sample 1606639-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Iron in batch 1606639, lab sample 1606639-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Iron in batch 1606639, lab sample 1606639-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Cadmium in batch 1606639, lab sample 1606639-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Antimony in batch 1606693, lab sample 1606693-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Antimony in batch 1606693, lab sample 1606693-MSD1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1606263 from source sample 061-FB-04-06-2016 (SC20027-11).

In batch 1606276 from source sample 054-TB-W-1 (0-4) (SC20027-02).

In batch 1606639 from source sample 054-TB-W-1 (0-4) (SC20027-02).

In batch 1606693 from source sample 054-TB-W-1 (0-4) (SC20027-02).

All method criteria were met with the following exceptions:

Aluminum, Calcium, Magnesium in batch 1606276, lab sample 1606276-PS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Copper, Manganese in batch 1606276, lab sample 1606276-PS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Nickel in batch 1606276, lab sample 1606276-PS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

Iron in batch 1606639, lab sample 1606639-PS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Iron in batch 1606639, lab sample 1606639-PS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Zinc in batch 1606639, lab sample 1606639-PS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Cadmium in batch 1606639, lab sample 1606639-PS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Antimony in batch 1606693, lab sample 1606693-PS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS, MSD and/or PS due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

4. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1606263 from source sample 061-FB-04-06-2016 (SC20027-11).

In batch 1606276 from source sample 054-TB-W-1 (0-4) (SC20027-02).

In batch 1606639 from source sample 054-TB-W-1 (0-4) (SC20027-02).

In batch 1606693 from source sample 054-TB-W-1 (0-4) (SC20027-02).

All method criteria were met with the following exceptions:

Aluminum in batch 1606263, sample 1606263-DUP1 from source sample 061-FB-04-06-2016 (SC20027-11): MRL raised to correlate to batch QC reporting limits.

Calcium, Magnesium, Nickel in batch 1606276, sample 1606276-DUP1 from source sample 054-TB-W-1 (0-4) (SC20027-02): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Aluminum, Arsenic, Barium, Beryllium, Chromium, Cobalt, Copper, Lead, Manganese, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium in batch 1606276, sample 1606276-DUP1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The Reporting Limit has been raised to account for matrix interference.

Iron in batch 1606639, sample 1606639-DUP1 from source sample 054-TB-W-1 (0-4) (SC20027-02): Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Antimony in batch 1606693, sample 1606693-DUP1 from source sample 054-TB-W-1 (0-4) (SC20027-02): Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

E. Serial Dilutions:

In batch S603568, lab sample S603568-SRD1 from source sample 053-TB-H-1 (9.2-11.2) (SC20027-01): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Calcium (18%), Magnesium (17%)

In batch S603569, lab sample S603569-SRD1 from source sample 053-TB-H-1 (9.2-11.2) (SC20027-01): The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Iron (19%)

F. Samples:

All method criteria were met with the following exceptions:

Aluminum in batch 1606263, sample 061-FB-04-06-2016 (SC20027-11): MRL raised to correlate to batch QC reporting limits.

Calcium, Magnesium, Nickel in batch 1606276, samples 053-TB-H-1 (9.2-11.2) (SC20027-01), 054-TB-W-1 (0-4) (SC20027-02), 055-TB-R-1 (8-10) (SC20027-04), 056-TB-M-1 (8-11.7) (SC20027-05), 057-TB-N-1 (6-8.5) (SC20027-06), 058-TB-O-1 (8-11.8) (SC20027-07), 060-TB-P-1 (8-11.8)

(SC20027-10): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Aluminum, Arsenic, Barium, Beryllium, Chromium, Cobalt, Copper, Lead, Manganese, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium in batch 1606276, sample 054-TB-W-1 (0-4) (SC20027-02): The Reporting Limit has been raised to account for matrix interference.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC20027

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 20027

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 245.1/7470A, SW846 7471B.

IV. PREPARATION

Aqueous samples were prepared according to EPA200/SW7000 Series.

Soil/Sediment samples were prepared according to EPA200/SW7000 Series.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 245.1/7470A, SW846 7471B:

Mercury4 details: Leeman Labs Hydra IIAA Mercury Analyzer

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1606264 from source sample 061-FB-04-06-2016 (SC20027-11).

In batch 1606277 from source sample 054-TB-W-1 (0-4) (SC20027-02).

All method criteria were met.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1606264 from source sample 061-FB-04-06-2016 (SC20027-11).

In batch 1606277 from source sample 054-TB-W-1 (0-4) (SC20027-02).

All method criteria were met.

4. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1606264 from source sample 061-FB-04-06-2016 (SC20027-11).

In batch 1606277 from source sample 054-TB-W-1 (0-4) (SC20027-02).

All method criteria were met.

E. Samples:

All method criteria were met.

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC20027

Client: Day Environmental, Inc.

Project: McAlpin - Rochester, NY / 5211S-16

SDG #: 20027

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 335.4 / SW846 9012B, SW846 9012B.

IV. PREPARATION

Aqueous samples were prepared according to General Preparation.

Soil/Sediment samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 335.4 / SW846 9012B, SW846 9012B:

Lachat2 details: Lachat Quikchem 8000

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1606323 from source sample 054-TB-W-1 (0-4) (SC20027-02).

In batch 1606375 from source sample 061-FB-04-06-2016 (SC20027-11).

All method criteria were met with the following exceptions:

Cyanide (total) in batch 1606323, lab sample 1606323-MS1 from source sample 054-TB-W-1 (0-4) (SC20027-02): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Cyanide (total) in batch 1606375, lab sample 1606375-MS1 from source sample 061-FB-04-06-2016 (SC20027-11): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1606323 from source sample 054-TB-W-1 (0-4) (SC20027-02).

In batch 1606375 from source sample 061-FB-04-06-2016 (SC20027-11).

All method criteria were met.

E. Samples:

All method criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

McAlpin #5211S-16
Eurofins/Spectrum Analytical SDG#21797
July 26, 2016
Sampling date: 5/23, 24/2016

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at McAlpin #5211S-16, Eurofins/Spectrum Analytical (Eurofins) SDG#21797 submitted to Vali-Data of WNY, LLC on July 23, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and Cyanide (9012B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD, Initial Calibration and Continuing Calibration.

Samples 062-MW-7R, 063-MW-8 and 062-MW-7RMS/MSD were diluted due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the RPD between 062-MW-7RMS and 062-MW-7RMSD was outside QC limits for trans-1,4-Dichloro-2-butene. This target analyte should be qualified as estimated in 062-MW-7R and 062-MW-7RMS/MSD.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in the initial calibration and should be qualified as estimated in the blanks, spikes and samples.
The RRF of Trichloroethene was outside QC limits in the initial calibration. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC

limits in the continuing calibration, S604568-CCV1 and should be qualified as estimated in the associated blanks, spikes and samples.
The RRF of Trichloroethene in S604568-CCV1 was outside QC limits. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2-Fluorobiphenyl was outside QC limits, low in 062-MW-7R, 063-MW-8 and 062-MW-7RMS. The %Rec of 2-Fluorophenol, Nitrobenzene-d_5 and Phenol-d_5 was outside QC limits, low in 062-MW-7RMS. Associated target analytes in these samples should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Benzidine, Benzoic acid and Pyridine was outside QC limits, low in 1609022-BS1/BSD1. The %Rec of Phenol was outside QC limits, low in 1609022-BS1.

MS/MSD
All criteria were met except the %Rec of Benzoic acid was zero in 062-MW-7RMS and outside QC limits, low in 062-MW-7RMSD. Benzoic acid should be qualified as estimated in 062-MW-7R and 062-MW-7RMS/MSD.
The %Rec of Benzidine was outside ASP QC limits, low in 062-MW-7RMS/MSD and should be qualified as estimated in 062-MW-7R and 062-MW-7RMS/MSD.
The %Rec of several target analytes was outside QC limits in 062-MW-7RMS or 062-MW-7RMSD but not both, so no further action is required.
The RPD between 062-MW-7RMS and 062-MW-7RMSD was outside QC limits for all target analytes except Benzidine and Benzoic acid. These target analytes should be qualified as estimated in 062-MW-7R and 062-MW-7RMS/MSD.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of Bis(2-chloroethyl) ether, N-Nitrosodi-n-propylamine, 2-Chlorophenol and 2-Methylphenol was outside ASP QC limits. ASP allows for up to four target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of 2-Methylnaphthalene was outside ASP QC limits in S604533-CCV1. The %D of 2-Methylnaphthalene and Pentachlorophenol was outside ASP QC limits in S604627-CCV1. The RRF of Bis(2-chloroethyl) ether, N-Nitrosodi-n-propylamine and 2-Methylphenol was outside ASP QC limits in S604533-CCV1 and S604627-CCV1. ASP allows for up to four target analytes to be outside QC limits without further action.
The %D of several target analytes fell outside laboratory QC limits but was within ASP limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD

- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD
-Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except K and Sb in S1609186-BLK1 were detected above the MDL, below the reporting limit and are qualified as estimated. Hg was detected in S604760-ICB1 and

S604760-CCB1-CCB4 above the MDL, below the reporting limit and is qualified as estimated. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met except the %Rec of Be was outside ASP QC limits in 1609186-BS1. The %Rec of several target analytes was outside QC limits but they were within ASP limits, so no further action.

MS/MSD
All criteria were met except the %Rec of Fe and Al was outside QC limits, high in 062-MW-7RMS/MSD. A post digest spike was run with similar results; these target analytes should be qualified as estimated in 062-MW-7R and 062-MW-7RMS/MSD.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

CYANIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Duplicate

- Field Duplicate Precision
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

METHOD BLANK
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

McAlpin #5211S-16
Eurofins/Spectrum Analytical SDG#21907
August 1, 2016
Sampling date: 5/27/2016

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at McAlpin #5211S-16, Eurofins/Spectrum Analytical (Eurofins) SDG#21907 submitted to Vali-Data of WNY, LLC on July 23, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and Cyanide (9012B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples, Laboratory Control Samples, Initial Calibration and Continuing Calibration.

Samples 082-MW-6 and 084-MW-1 were diluted due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met. The pH of samples 085-TB-05-27-16 and 081-MW-PMSD was not recorded as <2 even though it had been determined to be <2. An updated page is attached.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met except m&p-Xylene and Toluene were detected above the MDL, below the reporting limit and are qualified as estimated in 1609465-BLK1. 2-Butanone, Methylene Chloride and 1,2,3-Trichlorobenzene were detected above the MDL, below the reporting limit and are qualified as estimated in 1609465-BLK2. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.
Methyl acetate and Naphthalene were detected above the reporting limit in 1609465-BLK2. Associated samples in which these target analytes were detected below the reporting limit should be reported at the reporting limit and qualified as 'undetected'. Associated samples in which these target analytes were detected above the reporting limit but below the concentration of the blank should be reported with their results and qualified as 'undetected'. Associated samples in which these target analytes were detected above the concentration of the blank should be qualified as estimated high.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Methyl acetate was outside QC limits, high in 1609465-BS1/BSD1 and should be qualified as estimated.

MS/MSD
All criteria were met except the %Rec of Vinyl Chloride was outside QC limits, high in 082-MW-6MSD. Vinyl Chloride was within limits in 082-MW-6MS, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in the initial calibration and should be qualified as estimated in the blanks, spikes and samples.
The RRF of Trichloroethene was outside QC limits in the initial calibration. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in the continuing calibrations, S604686-CCV1 and S604611-CCV1, and should be qualified as estimated in the associated blanks, spikes and samples.
The RRF of Trichloroethene in S604686-CCV1 and S604611-CCV1 was outside QC limits. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %RPD of 3-Nitroaniline was outside QC limits, between 1609298-BS1 and 1609298-BSD1 and should be qualified as estimated in 1609298-BS1 and 1609298-BSD1.

MS/MSD
All criteria were met except the %Rec of Benzoic acid, Phenol and Pyridine was outside QC limits, low in 081-MW-PMS/MSD and should be qualified as estimated in 081-MW-P and 081-MW-PMS/MSD.
The RPD of 2-Methylphenol, 3 & 4-Methylphenol, 4-Nitroaniline and Phenol was outside QC limits in 081-MW-PMS/MSD and should be qualified as estimated in 081-MW-P and 081-MW-PMS/MSD.
The %Rec of N-Nitrosodimethylamine was outside QC limits in 081-MW-PMSD but within limits in 081-MW-PMS, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of 2-Methylnaphthalene was outside ASP QC limits in S604795-CCV1. The RRF of Bis(2-chloroethyl)ether was outside ASP QC limits in S604795-CCV1. ASP allows for up to four target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank

- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Duplicate
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except K and Na in S1609364-BLK1 were detected above the MDL, below the reporting limit and are qualified as estimated. Mg and Ca were detected above the MDL, below the reporting limit and are qualified as estimated in S604874-CCB2. Fe was detected above the MDL, below the reporting limit and is qualified as estimated in S604874-CCB3. Sb was detected above the MDL, below the reporting limit and is qualified as estimated in S604874-ICB1 and S604874-CCB1-4. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in S604865-ICB1. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.
The %Rec of several target analytes was outside QC limits but they were within ASP limits, so no further action.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Mn was outside QC limits in S604874-ICV1. Mn should be qualified as estimated in associated blanks, spikes and samples.

CYANIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports

- Holding Times
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Field Duplicate Precision
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

METHOD BLANK
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

McAlpin #5211S-16
Eurofins/Spectrum Analytical SDG#21908
August 3, 2016
Sampling date: 5/25, 26, 27/2016

Prepared by:
Jodi Zimmerman
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at McAlpin #5211S-16, Eurofins/Spectrum Analytical (Eurofins) SDG#21908 submitted to Vali-Data of WNY, LLC on July 23, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and Cyanide (9012B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

Samples 069-MW-12RE, 070-MW-10RRE, 075-MW-3RE, 072-MW-3R, 073-DUP5, 074-MW-H, 077-MW-5 and 078-MW-G were diluted due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the pH of 079-FB-05-26-16 and 080-TB-05-27-16 was not recorded in the original package. An updated page is attached.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met except m&p Xylene and Toluene were detected above the MDL, below the reporting limit and are qualified as estimated in 1609465-BLK1. 2-Butanone, Methylene Chloride and 1,2,3-Trichlorobenzene were detected above the MDL, below the reporting limit and are qualified as estimated in 1609465-BLK2. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.
Methyl acetate and Naphthalene were detected above the reporting limit in 1609465-BLK2. Associated samples in which these target analytes were detected below the reporting limit should be reported at the reporting limit and qualified as 'undetected'. Associated samples in which these target analytes were detected above the reporting limit but below the concentration of the blank should be reported with their results and qualified as 'undetected'. Associated samples in which these target analytes were detected above the concentration of the blank should be qualified as estimated high.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Methyl acetate was outside QC limits, high in 1609465-BS1/BSD1 and should be qualified as estimated.

MS/MSD
All criteria were met except the %Rec of Dichlorodifluoromethane, 2,2-Dichloropropane was outside QC limits, low in 072-MW-3RMS/MSD. These target analytes should be qualified as estimated in 072-MW-3R and 072-MW-3RMS/MSD.

Several target analytes were within limits in 072-MW-3RMSD but outside QC limits in 072-MW-3RMS, no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in the initial calibration and should be qualified as estimated in the blanks, spikes and samples.
The RRF of Trichloroethene was outside QC limits in the initial calibration. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in the continuing calibrations, S604686-CCV1 and S604615-CCV1, and should be qualified as estimated in the associated blanks, spikes and samples.
The RRF of Trichloroethene in S604686-CCV1 and S604615-CCV1 was outside QC limits. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except throughout the report 1609205-BLK3 is recorded but no BLK3 was recorded on the run log. An updated page is attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.
There were surrogate spike recoveries that were outside laboratory QC limits but within ASP limits, so no further action was required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %RPD of 3-Nitroaniline was outside QC limits, between 1609298-BS1 and 1609298-BSD1 and should be qualified as estimated in 1609298-BS1 and 1609298-BSD1.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of Bis(2-chloroethyl)ether, 2-Chlorophenol, 2-Methylphenol and N-Nitrosodi-n-propylamine were outside QC limits in the initial calibration performed on 4/19/16. ASP allows for up to four target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of 2-Methylnaphthalene was outside ASP QC limits in S604795-CCV1 and S604627-CCV1. The RRF of Bis(2-chloroethyl)ether was outside ASP QC limits in S604795-CCV1. The RRF of Bis(2-chloroethyl)ether, 2-Methylphenol and N-Nitrosodi-n-propylamine was outside QC limits in S604627-CCV1. ASP allows for up to four target analytes to be outside QC limits without further action.
The %D of Carbazole and 3-Nitroaniline was outside ASP outer QC limits in S604734-CCV1 and should be qualified as estimated in the associated samples, blanks and spikes.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Duplicate
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except K in S1609367-BLK1 was detected above the MDL, below the reporting limit and is qualified as estimated. Mg was detected above the MDL, below the reporting limit and is qualified as estimated in S604917-ICB1. Mn was detected above the MDL, below the reporting limit and is qualified as estimated in S604908-CCB3. Sb was detected above the MDL, below the reporting limit and is qualified as estimated in S604917-CCB1-4 and S604917-CCB6. Zn and Ca were detected above the MDL, below the reporting limit and are qualified as estimated in S604917-CCB2-4 and S604917-CCB6. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in S604900-ICB1. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.
The %Rec of several target analytes was outside QC limits but they were within ASP limits, so no further action.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Mn was outside QC limits, high in S604908-ICV1. The %Rec of Se and Cd was outside QC limits, high in S604908-CCV5. These target analytes should be qualified as estimated in associated blanks, spikes and samples.

CYANIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Field Duplicate Precision
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

METHOD BLANK
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Cn was outside QC limits, low in 075-MW-3MS. The %Rec was within limits in 075-MW-3MS, so no further action is required.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

McAlpin #5211S-16
Eurofins/Spectrum Analytical SDG#22010
August 4, 2016
Sampling date: 5/31/2016, 6/1/2016

Prepared by:
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West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at McAlpin #5211S-16, Eurofins/Spectrum Analytical (Eurofins) SDG#22010 submitted to Vali-Data of WNY, LLC on July 23, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and Cyanide (9012B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Compound Quantitation, Initial Calibration and Continuing Calibration.

Samples 086-DUP6, 088-MW-D, 089-MW-16 and 090-MW-18 were diluted due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of 2-Chlorotoluene between 1609730-BS1 and 1609730-BSD1 was outside QC limit. 2-Chlorotoluene should be qualified as estimated in 1609730-BS1/BSD1. The %Rec of Bromomethane was outside QC limits, low in 1609825-BS1/BSD1 and should be qualified as estimated in 1609825-BS1/BSD1.
The %Rec of 2-Chlorotoluene was outside QC limits, high in 1609730-BS1. The %Rec of trans-1,4-Dichloro-2-Butene was outside QC limits, low in 1609825-BS1. These target analytes were within limits in their associated matrix spike duplicate, so no further action is required.

MS/MSD
All criteria were met except the %Rec of Bromomethane and trans-1,4-Dichloro-2-butene was outside QC limits, low in 086-DUP6MS/MSD. These target analytes should be qualified as estimated in 086-DUP6 and 086-DUP6MS/MSD.

COMPOUND QUANTITATION
All criteria were met except the concentration of Carbon Disulfide on the Form 1 for sample, 088-MW-D should be .313ug/l. The concentration of 1,1-Dichloroethane on Form 1 for sample, 087-MW-Q should be .304ug/l.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in the initial calibration and should be qualified as estimated in the blanks, spikes and

samples.
The RRF of Trichloroethene was outside QC limits in the initial calibration. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in all of the continuing calibrations, and should be qualified as estimated in the associated blanks, spikes and samples.
The RRF of Trichloroethene in all of the continuing calibrations was outside QC limits. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except Acenaphthene was missing from Form 1 for sample, 087-MW-Q. An updated page is attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.
There were surrogate spike recoveries that were outside laboratory QC limits but within ASP limits, so no further action was required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of Bis(2-chloroethyl)ether was outside ASP QC limits in S604795-CCV1. ASP allows for up to four target analytes to be outside QC limits without further action.
The %D of Carbazole, Benzidine and 3-Nitroaniline was outside ASP outer QC limits in S604697-CCV1 and should be qualified as estimated in the associated samples, blanks and spikes.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD
-Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Duplicate.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Sb and K in 1609562-BLK1 and Na in 1609901-BLK1 were detected above the MDL, below the reporting limit and are qualified as estimated. Mg was detected above the MDL, below the reporting limit and is qualified as estimated in S604940-ICB1 and S604940-CCB4. Sb and Be were detected above the MDL, below the reporting limit and are qualified as estimated in S604933-CCB1. Sb, Be, Cd and Fe were detected above the MDL, below the reporting limit and are qualified as estimated in S604933-CCB2. Sb was detected

above the MDL, below the reporting limit and is qualified as estimated in S604933-CCB3. Sb, Mn, Zn, As, Ba, Be, Cd, Ca, Co and V were detected above the MDL, below the reporting limit and are qualified as estimated in S604933-CCB4. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in S604941-ICB1 and S604941-CCB1-3. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met except the %RPD of Co between 086-DUP6 and 086-DUP6d was outside QC limits and should be qualified as estimated in 086-DUP6 and 086-DUP6d.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

CYANIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Duplicate

- Field Duplicate Precision
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

Sample 087-MW-Q was diluted due to high target analyte concentration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

METHOD BLANK
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

McAlpin #5211S-16
Eurofins/Spectrum Analytical SDG#22167
August 5, 2016
Sampling date: 6/1, 3/2016

Prepared by:
Jodi Zimmerman
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West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at McAlpin #5211S-16, Eurofins/Spectrum Analytical (Eurofins) SDG#22167 submitted to Vali-Data of WNY, LLC on July 23, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and Cyanide (9012B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples, Initial Calibration and Continuing Calibration.

Sample, 093-SUMP-1 was diluted due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met except Acetone and Carbon Disulfide were detected above the MDL, below the reporting limit and are qualified as estimated in 1609907-BLK1. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Bromoform was outside QC limit, high in 1609907-BS1/BSD1 and should be qualified as estimated in 1609907-BS1/BSD1. The %Rec of Bromomethane was outside QC limits, low in 1609825-BS1/BSD1 and should be qualified as estimated in 1609825-BS1/BSD1.
The %Rec of trans-1,4-Dichloro-2-Butene was outside QC limits, low in 1609825-BS1. ThIs target analyte was within limits in their associated matrix spike duplicate, so no further action is required.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except Acetone was detected above the MDL, below the reporting limit and is qualified as estimated in 096-FB06-01-016.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in the initial calibration and should be qualified as estimated in the blanks, spikes and samples.
The RRF of Trichloroethene was outside QC limits in the initial calibration. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in all of the continuing calibrations. The %D of Bromoform was outside the outer ASP QC limit in S604893-CCV1. These target analyte should be qualified as estimated in the associated blanks, spikes and samples.
The RRF of Trichloroethene in all of the continuing calibrations was outside QC limits. The %D of Bromomethane was outside QC limits in S604849-CCV1. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.
There were surrogate spike recoveries that were outside laboratory QC limits but within ASP limits, so no further action was required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of 2,4-Dinitrophenol was outside QC limits between 1609609-BS1/BSD1 and should be qualified as estimated.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Benzidine was outside ASP outer QC limits in S604863-CCV1 and should be qualified as estimated in the associated samples, blanks and spikes.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

DUPLICATE
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Compound Quantitation
- Initial Calibration

- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

DUPLICATE
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Duplicate
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Duplicate and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Sb, Be, Cd and Co in S604953-ICB1 were detected above the MDL,

below the reporting limit and are qualified as estimated. Mn, Al, Sb, Ba, Be, Cd, Cr, Co, Cu and V were detected above the MDL, below the reporting limit and is qualified as estimated in S604953-CCB1. Be was detected above the MDL, below the reporting limit and is qualified as estimated in S604953-CCB2. Ba, Be, Cd and Co were detected above the MDL, below the reporting limit and is qualified as estimated in S604953-CCB4. Sb, As, Ba, Be, Cd, Co and Cr were detected above the MDL, below the reporting limit and are qualified as estimated in S604953-CCB5. Ca in S604985-ICB1 was detected above the MDL, below the reporting limit and is qualified as estimated. Mg and Ca were detected above the MDL, below the reporting limit and are qualified as estimated in S604985-CCB1. Ca was detected above the MDL, below the reporting limit and is qualified as estimated in S604985-CCB2, 3. Mg was detected above the MDL, below the reporting limit and is qualified as estimated in S604985-CCB4. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in S604952-ICB1 and S604952-CCB1-3. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met except the %RPD of Cr, Cu, Co and Zn between 092-MW-Bd and 092-MW-B was outside QC limits and should be qualified as estimated in 092-MW-Bd and 092-MW-B.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met except Ba was detected in 096-FB-06-01-16SRD1 but not in 096-FB-06-01-16.

COMPOUND QUANTITATION
All criteria were met except the concentration of Fe on the Form 1 for sample, 096-FB-06-01-16 should be .00450mg/l. Mg, Mn, K, Na and Fe were detected in 096-FB-06-01-16.

CALIBRATION
All criteria were met.

CYANIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Field Duplicate Precision
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

Sample 087-MW-Q was diluted due to high target analyte concentration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

METHOD BLANK
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

McAlpin #5211S-16
Eurofins/Spectrum Analytical SDG#23772
September 28, 2016
Sampling date: 7/15/2016

Prepared by:
Jodi Zimmerman
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West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at McAlpin #5211S-16, Eurofins/Spectrum Analytical (Eurofins) SDG#23772 submitted to Vali-Data of WNY, LLC on September 3, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and Cyanide (9012B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met except Naphthalene was detected above the MDL, below the reporting limit and is qualified as estimated in 1612382-BLK1. Naphthalene was not detected in the samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Bromoform was outside QC limits, low in 1612382-BS1/BSD1. The RPD of Acetone was outside QC limits between 1612382-BS1 and 1612382-BSD1. These target analytes should be qualified as estimated in 1612382-BS1/BSD1.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane was outside outer ASP QC limits in the initial calibration and should be qualified as estimated in the blanks, spikes and samples.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results except Tert-amyl- methyl ether, which should be qualified as estimated in the blanks, spikes and samples.

CONTINUING CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane was outside outer ASP QC limits in the continuing calibration. This target analyte should be qualified as estimated in the associated blanks, spikes and samples.
The %D of Bromoform was outside the QC limit in S606185-CCV1. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Pyridine was outside QC limits, low in 1612352-BS1/BSD1 and should be qualified as estimated.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of Bis(2-chloroethyl)ether and N-Nitrosodi-n-propylamine was outside QC limits in the initial calibration. ASP allows for up to four target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Benzidine was outside ASP outer QC limits in S606283-CCV1 and should be qualified as estimated in the associated samples, blanks and spikes.
The RRF of 2-Chlorophenol, 2-Methylphenol, Bis(2-chloroethyl)ether and N-Nitrosodi-n-propylamine was outside QC limits in the continuing calibration. ASP allows for up to four target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports

- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

DUPLICATE
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

DUPLICATE
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample

-MS/MSD
-Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Sb and Fe in S606329-ICB1 and S606329-CCB1 were detected above the MDL, below the reporting limit and are qualified as estimated. Sb was detected above the MDL, below the reporting limit and is qualified as estimated in S606329-CCB2. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in S606324-ICB1. K, Na and Fe were detected above the MDL, below the reporting limit and are qualified as estimated in 1612555-BLK1. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

CYANIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Field Duplicate Precision
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

METHOD BLANK
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met except the %Rec of Cn was outside QC limits, low in 1612553-BS1 and should be qualified as estimated.

MS/MSD
All criteria were met except the %Rec of Cn was outside QC limits, low in 102-MW-9MS/MSD and should be qualified as estimated in 102-MW-9MS/MSD and 102-MW-9.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

McAlpin #5211S-16
Eurofins/Spectrum Analytical SDG#24150
October 4, 2016
Sampling date: 7/26/2016

Prepared by:
Jodi Zimmerman
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1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at McAlpin #5211S-16, Eurofins/Spectrum Analytical (Eurofins) SDG#24150 submitted to Vali-Data of WNY, LLC on September 3, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7471B), Cyanide (9012B) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not

affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in the initial calibration and should be qualified as estimated in the blanks, spikes and samples.
The RRF of Trichloroethene was outside ASP QC limits in the initial calibration. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in the continuing calibration. This target analyte should be qualified as estimated in the associated blanks, spikes and samples.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol and Nitrobenzene-d_5 was outside QC limits, high in S606645-CCV1.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Benzidine was outside QC limits, low in 1613013-BS1/BSD1 and the RPD between 1613013-BS1 and 1613013-BSD1 was outside QC limits for Benzidine and should be qualified as estimated.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Benzo(b)fluoranthene and Benzo(k)fluoranthene was outside QC limits in the continuing calibration. The RRF of Benzo(k)fluoranthene was outside QC limits in the continuing calibration. ASP allows for up to four target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times

- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except the %D was not recorded for 4,4'-DDT in sample 104-SS-7(0-1) on Form X. An updated page is attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off the first column was outside QC limit, high in 104-SS-7(0-1) and should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

DUPLICATE
No duplicate was performed on this sample.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

DUPLICATE
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports

-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD
-Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, MS/MSD, Duplicate and Serial Dilution.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Be and Cd in S606774-CCB1, CCB2 and S606774-CCB4 were detected above the MDL, below the reporting limit and are qualified as estimated. K was detected above the MDL, below the reporting limit and is qualified as estimated in 1613335-BLK1. Fe was detected above the MDL, below the reporting limit and is qualified as estimated in 1613615-BLK1. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in S607171-CCB2. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Ni, Sb, Pb, Mn, Zn, Cd and Co was outside QC limits, low in 104-SS-7(0-1)MS/MSD. These target analytes should be qualified as estimated in 104-SS-7(0-1), 104-SS-7(0-1)D and 104-SS-7(0-1)MS/MSD except for Sb which produced acceptable results in the post digest spike.
The %Rec of K was outside QC limits, high in 104-SS-7(0-1)MS/MSD. A post digest spike produced acceptable results, so no further action is required.
The %Rec of Hg was outside QC limits in 104-SS-7(0-1)MSD but within limits in 104-SS-7(0-1)MS, so no further action is required.

DUPLICATE
All criteria were met except the %RPD of Pb, Co, Ag and Fe was outside QC limits in 104-SS-7(0-1)D. These target analytes should be qualified as estimated in 104-SS-7(0-1)D and 104-SS-7(0-1).

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met except the %D of Ni, Pb, Mn, K, Zn, Ba, Cr, Co, Cu and V was outside QC limits in the serial dilution. These target analytes should be qualified as estimated in 104-SS-7(0-1) and 104-SS-7(0-1)D.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Ca was outside QC limits high in S606775-ICV1 a second ICV was run with acceptable results, so no further action is required.

CYANIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Field Duplicate Precision

- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

METHOD BLANK
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
No MS/MSD was performed for this analysis.

DUPLICATE
No duplicate was performed for this analysis.

FIELD DUPLICATE
No field duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

%SOLIDS
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

McAlpin #5211S-16
Eurofins/Spectrum Analytical SDG#27203
November 21, 2016
Sampling date: 10/12/2016

Prepared by:
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1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at McAlpin #5211S-16, Eurofins/Spectrum Analytical (Eurofins) SDG#27203 submitted to Vali-Data of WNY, LLC on November 14, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Inorganics (6010C), Mercury (7470A) and Cyanide (9012B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Compound Quantitation, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met. The pH of 109-MW-8RE2 was not recorded. An updated page is attached.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 2,2-Dichloropropane was outside QC limits, high in 1618216-BS1/BSD1 and 1618442-BS1/BSD1. The %Rec of Methyl Acetate was outside QC limits, high in 1618328-BS1/BSD1 and 1618516-BS1/BSD1. The RPD of Benzene, tert-Butyl benzene, Carbon Disulfide, Carbon tetrachloride, Chloromethane, 2-Chlorotoluene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,1-Dichloroethene, trans-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloropropene, cis-1,3-Dichloropropene, Ethylbenzene, Isopropylbenzene, 4-Isopropyltoluene, n-Propylbenzene, Styrene, 1,1,1,2-Tetrachloroethane, Tetrachloroethene, 1,1,1-Trichloroethane, Trichloroethene, Trichlorofluoromethane, 1,3,5-Trimethylbenzene and m&p-Xylene was outside QC limits between 1618328-BS1 and 1618328-BSD1. The RPD of Dichlorodifluoromethane was outside QC limits between 1618442-BS1 and 1618442-BSD1. Several target analytes were outside QC limits in the laboratory control sample or the duplicate but not both. These target analytes should be qualified as estimated in the associated laboratory control samples and duplicates.

MS/MSD
All criteria were met except the %Rec of 2,2-Dichloropropane and Methyl Acetate was outside QC limits, high in 127-MW-13RMS/MSD. The %Rec of Bromomethane, 2,2-Dichloropropane, Hexachlorobutadiene, Naphthalene, 1,3,5-Trichlorobenzene, Vinyl Chloride and Methyl Acetate was outside QC limits, high in 130-MW-QMS/MSD. The %Rec of Methyl Acetate was outside QC limits, high in 109-MW-8MS/MSDRE1. The %Rec of Methyl Acetate was outside QC limits, high in 109-MW-8MS/MSDRE2. Target analytes detected in these MS/MSD and their associated samples should be qualified as estimated high.
The %Rec of Acetone in 130-MW-QMS/MSD and Vinyl Chloride in 109-MW-8MS/MSDRE1 was outside QC limits, low. The RPD of Bromomethane between 127-MW-13RMS and 127-MW-

13RMSD was outside QC limits. These target analytes should be qualified as estimated in these MS/MSD and their associated samples.

COMPOUND QUANTITATION
All criteria were met except several target analytes in the samples should be qualified as undetected because prior to rounding to one significant figure the concentration of that target analyte was less than the MDL.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in the initial calibration and should be qualified as estimated in the blanks, spikes and samples.
The RRF of Trichloroethene was outside ASP QC limits in the initial calibration. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside the outer ASP QC limits in all of the continuing calibrations. The %D of 2,2-Dichloropropane was outside the outer ASP QC limits in S608984-CCV1, S609116-CCV1 and S609160-CCV1. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.
The RRF of Trichloroethene was outside ASP QC limits in S609006-CCV1, S609058-CCV1 and S609116-CCV1. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation

- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2-Fluorobiphenyl was outside QC limits, low in 130-MW-QMS and 133-FB-10-13-2016. Associated target analytes in these samples should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Benzyl alcohol was outside QC limits, low in 1617991-BS1/BSD1 and the RPD between 1617991-BS1 and 1617991-BSD1 was outside QC limits for Benzidine, 4-Chloroaniline, 4-Chlorophenyl phenyl ether, Diethylphthalate, Dimethylphthalate, 3-Nitroaniline and 1-Methylnaphthalene and should be qualified as estimated.

MS/MSD
All criteria were met except the %Rec of Benzyl alcohol and 3,3'-Dichlorobenzidine was outside QC limits, low in 130-MW-QMS. These target analytes should be qualified as estimated in 13-MW-Q and 130-MW-QMS.
The %Rec of Benzidine was 0% in 130-MW-QMS. This target analyte should be qualified as estimated in 130-MW-Q, if detected or unusable if not detected.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of Bis(2-Chloroethyl)ether, 2-Chlorophenol, 2-Methylphenol and N-Nitroso-di-n-propylamine was outside QC limits in the initial calibration. ASP allows for up to four target analytes to be outside QC limits without further action. Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Benzo(k)fluoranthene was outside QC limits in S608958-CCV1. ASP allows for up to four target analytes to be outside QC limits without further action. The RRF of Benzo(k)fluoranthene, Bis(2-Chloroethyl)ether, 2-Chlorophenol, 2-Methylphenol and N-Nitroso-di-n-propylamine was outside QC limits in S608958-CCV1 and S609157-CCV1. The %D of Benzyl alcohol was outside ASP outer QC limits in S608958-CCV1. The %D of Benzidine and Benzyl alcohol was outside ASP outer QC limits in S609157-CCV1. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

GC/MS PERFORMANCE CHECK
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Duplicate
- -Field Duplicate
- -Serial Dilution

-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

Samples; 130-MW-Q and 131-DUP8 were diluted due to high target analyte concentration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met. The pH of the samples was not recorded in the original package. An updated page is attached.

BLANKS
All criteria were met except Sb in S609315-ICB1, CCB1, CCB3, CCB4 and S609315-CCB5 was detected above the MDL, below the reporting limit and is qualified as estimated. Ca was detected above the MDL, below the reporting limit and is qualified as estimated in S609316-CCB2, CCB3 and S609316-CCB4. Ca, Mn and Fe were detected above the MDL, below the reporting limit and are qualified as estimated in 1618626-BLK1. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in S609277-ICB1 and all of the CCB's. Cr, Cu, Mg, K and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in 133-FB-10-13-2016. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met. Some target analytes were outside QC laboratory limits but were within ASP limits, so no further action is required.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met. Sb was detected above the MDL in 130-MW-Q but was not detected in 130-MW-QDUP.

FIELD DUPLICATE
No field duplicate was acquired for this analysis.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Ag was outside QC limits high in S609315-CCV2 and S609315-CCV3. The %Rec of Hg was outside QC limits in S609277-CCV1 and S609277-CCV4. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

CYANIDE

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Duplicate
- Field Duplicate Precision
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

METHOD BLANK
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met except the %Rec was outside QC limits in 130-MW-QMSD but was within limits in 130-MW-QMS, so no further action is required.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

McAlpin #5211S-16
Eurofins/Spectrum Analytical SDG#SC33341
June 16, 2017
Sampling date: 4/5/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at McAlpin #5211S-16, Eurofins/Spectrum Analytical (Eurofins) SDG#SC33341 submitted to Vali-Data of WNY, LLC on June 9, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C) and general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

Samples; 135-TB-GG(10-12), 136-TB-II(11-12.7), 137-DUP-4/5/17 and 138-TB-KK(10-12) were diluted due to high target analyte concentration.
Sample; 139-TB-JJ(11-11.7) was diluted due to high non-target analyte concentrations.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 1,2-Dichloroethane-d_4 was outside ASP QC limits, high in 1706212-BLK1 and 135-TB-GG(10-12). The %Rec of 4-Bromofluorobenzene was outside ASP QC limits, high in 138-TB-KK(10-12). Associated target analytes detected in these samples should be qualified as estimated high.

METHOD BLANK
All criteria were met except Tetrachloroethene was detected above the MDL, below the reporting limit and is qualified as estimated in 1706196-BLK1. Associated samples in which this target analyte was detected below the reporting limit should be qualified as undetected at the reporting limit. Associated samples in which this target analyte was detected above the reporting limit but below the blank concentration should be qualified as undetected. Associated samples in which this target analyte was detected above the blank concentration should be qualified as estimated, high.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Bromomethane was outside QC limits, low in 1706212-BS1/BSD1. This target analyte should be qualified as estimated in 1706212-BS1/BSD1 and the associated samples.

MS/MSD
All criteria were met except the %Rec of all target analytes except Acetone, Acrylonitrile, tert-Butyl alcohol, 1,4-Dioxane, Ethanol and Methyl Acetate was outside QC limits in 135-TB-GG(10-12)MS/MSD. The RPD of all target analytes except 1,1,2-Trichlorotrifluoroethane, Dichlorodifluoromethane, cis-1,2-Dichloroethene and Vinyl Chloride was outside QC limits between 135-TB-GG(10-12)MS and 135-TB-GG(10-12)MSD. The non-conforming target analytes should be qualified as estimated in 135-TB-GG(10-12) and 135-TB-GG(10-12)MS/MSD.

The %Rec of several target analytes was outside QC limits in 135-TB-GG(10-12)MS or 135-TB-GG(10-12)MSD but not both, so no further action is required.
The %Rec of Bromomethane, Carbon Disulfide, Chloroethane and Vinyl Chloride was outside QC limits in 135-TB-GG(10-12)MSRE1/MSDRE1. These target analytes should be qualified as estimated in 135-TB-GG(10-12)RE1 and 135-TB-GG(10-12)MSRE1/MSDRE1.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in all of the initial calibrations and should be qualified as estimated in the blanks, spikes and samples.
The RRF of Trichloroethene was outside ASP QC limits in the initial calibration performed on instruments HPV9 and HPV3. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside the outer ASP QC limits in all of the continuing calibrations. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.
The %D of Bromomethane was outside QC limits in S703707-CCV1. The %D of 1,1,2,2-Tetrachloroethane was outside QC limits in S703740-CCV1. The RRF of Trichloroethene was outside ASP QC limits in S703706-CCV1 and S703707-CCV1. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

%SOLIDS

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

McAlpin #5211S-16
Eurofins/Spectrum Analytical SDG#SC33976
June 19, 2017
Sampling date: 4/24/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at McAlpin #5211S-16, Eurofins/Spectrum Analytical (Eurofins) SDG#SC33976 submitted to Vali-Data of WNY, LLC on June 9, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C) and general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, MS/MSD, Compound Quantitation, Initial Calibration and Continuing Calibration.

Samples; 143-MW-FF, 144-DUP9, 147-MW-5, 148-MW-6 and 149-MW-8 were diluted due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met. Results were not recorded to three significant figures. This does not affect the usability of the data.
The qualifier 'OR' was used to qualify Vinyl Chloride in 143-MW-FFMS/MSD and 143-MW-FFRe1MS/MSD. This qualifier indicates that Vinyl Chloride was over range due to saturation in the sample.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 1,2-Dichloroethane-d_4 was outside ASP QC limits, high in 1707362-BLK1, 143-MW-FFRe1, 144-DUPRe1 and 150-MW-18. Associated target analytes detected in these samples should be qualified as estimated high.

METHOD BLANK
All criteria were met except Acetone and Chloromethane were detected above the MDL, below the reporting limit and are qualified as estimated in 1707230-BLK1. Acetone and Chloroform were detected above the MDL, below the reporting limit and are qualified as estimated in 1707573-BLK2. Associated samples in which this target analyte was detected below the reporting limit should be qualified as undetected at the reporting limit. Associated samples in which this target analyte was detected above the reporting limit but below the blank concentration should be qualified as undetected. Associated samples in which this target analyte was detected above the blank concentration should be qualified as estimated, high.
Methylene Chloride was detected above the reporting limit in 1707573-BLK2. This target analyte was not detected in the associated sample, so no further action is required.
The individual scans for 1707573-BLK-1. Those will be provided.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Bromoform was outside QC limits, low in 1707230-BS1/BSD1. The %Rec of Bromomethane, Chloromethane and Dichlorodifluoromethane was outside QC limits, low in 1707573-BS1/BSD1. These target analytes should be qualified as estimated in the associated laboratory control samples and the associated samples.
The %Rec of tert-amyl methyl ether was outside QC limits, high in 1707230-BS1/BSD1. The %Rec of 2,2-Dichloropropane, trans-1,4-Dichloro-2-butene and Methyl acetate was outside QC

limits, high in 1707362-BS1/BSD1. These target analytes should be qualified as estimated in the associated laboratory control samples and the associated samples, if detected.
The RPD of Vinyl Chloride was outside QC limits between 1707230-BS1 and 1707230-BSD1. The RPD of Acetone and Ethyl alcohol was outside QC limits between 1707573-BS1 and 1707573-BSD1. These target analytes should be qualified as estimated in the associated laboratory control samples and the associated samples.
Several target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

MS/MSD
All criteria were met except the %Rec of Carbon Disulfide was outside QC limits, low in 143-MW-FFMS/MSD. This target analyte should be qualified as estimated in 143-MW-FFMS/MSD and 143-MW-FF.
The %Rec of Tert-amyl methyl ether was outside QC limits, high in 143-MW-FFMS/MSD. The %Rec of 2,2-Dichloropropane was outside QC limits, high in 143-MW-FFMSRe1/MSDRe1. These target analyte should be qualified as estimated in the associated matrix spike and the associated samples, if detected.
The %Rec of Vinyl Chloride was 0% in the matrix spikes and matrix spike duplicates. This target analyte should be qualified as estimated if detected in the associated sample or unusable if undetected.
The %Rec of several target analytes was outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except Methylene Chloride was detected in 151-FB-4-24-17 above the MDL, below the reporting limit and is qualified as estimated. Associated samples in which this target analyte was detected below the reporting limit should be qualified as undetected at the reporting limit. Associated samples in which this target analyte was detected above the reporting limit but below the blank concentration should be qualified as undetected. Associated samples in which this target analyte was detected above the blank concentration should be qualified as estimated, high.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside outer ASP QC limits in all of the initial calibrations and should be qualified as estimated in the blanks, spikes and samples.
The RRF of Trichloroethene was outside ASP QC limits in the initial calibration performed on all instruments. The RRF of Bromomethane was outside ASP QC limits in the initial calibration performed on instruments HPV1 and HPV7. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and Ethanol was outside the outer ASP QC limits in all of the continuing calibrations. The %D of 2,2,-Dichloropropane, trans-1,4-Dichloro-2-butene and Methyl acetate was outside ASP outer QC limits in S704226-CCV1. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.
The %D of Bromomethane and Carbon tetrachloride was outside QC limits in S704155-CCV1. The %D of 1,1,2,2-Tetrachloroethane and Carbon tetrachloride was outside QC limits in S704226-CCV1. The %D of Bromomethane and 1,1-Dichloroethane was outside ASP QC limits in S704320-CCV1. The RRF of Trichloroethene was outside QC limits in S704155-CCV1, S704226-CCV1 and S704320-CCV1. The RRF of Bromomethane was outside QC limits in S704320-CCV1. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

CYANIDE
All criteria were met.

APPENDIX M

Investigation-Derived Waste Disposal Documentation

day
DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

March 30, 2016

Ms. Erin Magee
Monroe County Department of Environmental Services
145 Paul Rd Bldg. 1
Rochester, New York 14624

RE: McAlpin Industries Site
50 Balfour Drive, 245-265 Hollenbeck Street, and 271 Hollenbeck Street
Rochester, New York

Dear Ms. Magee:

Day Environmental, Inc. (DAY) is requesting a Specialty Short Term Discharge Permit from the Monroe County Department of Environmental Services (MCDES) for the above-referenced property (Site). On behalf of OBI, LLC, DAY is performing a Remedial Investigation (RI) under the New York State Department of Environmental Conservation (NYSDEC).

The McAlpin Site consists of approximately 6.95 acres of land on three contiguous parcels, and it is currently developed with an approximate 134,000 square foot, combined one-story and two-story concrete block building, with two attached one-story metal buildings that house a sheet metal fabrication, metal plating, stamping and assembly business. A second, approximate 8,000 square foot, one-story, brick building used as a warehouse is also located at the property. Past uses of the Site include tool and die operations, plastic packaging, parts machining, printing operations and silk screening operations. The Site is serviced by a public combined sewer system. The RI was conducted to further evaluate environmental conditions in relation to previously identified chlorinated volatile organic compound and petroleum impacts in soil and groundwater at the Site.

DAY is requesting a Specialty Short Term Discharge Permit for bedrock and overburden development water that has been generated during the RI work. It is estimated that a total of approximately 1,955 gallons of water is currently staged on-site in one 4,900 gallon frac tank, and the water is free of solids. Sample 026-IDW-03-13-2016 (water) was collected from the frac tank on March 13, 2016. The sample was analyzed for Purgeable Organics via United States Environmental Protection Agency (USEPA) Method 624, Semi-Volatile Organic Compounds (SVOCs) via USEPA Method 625 and RCRA Metals via USEPA Method 200.7. Spectrum Eurofins Analytical (Spectrum), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory (ELAP ID #11393), performed the analyses. A copy of Spectrum's report with the results for Sample 026-IDW-03-13-2016 is enclosed. In addition, there is no petroleum product or petroleum sheen on the water. Once a Specialty Short Term Discharge Permit is approved by MCDES, the wastewater would be discharged directly to the combined sewer system drain inlet shown on the enclosed Figure 1 at a rate not to exceed 10 gallons per minute (gpm).

Also enclosed are a copy of DAY's insurance certificate, a copy of a Specialty Short Term Discharge Permit with DAY's required information and signature, and a check in the amount of $125.00 made payable to the Monroe County Director of Finance.

If there are any questions, please contact this office.

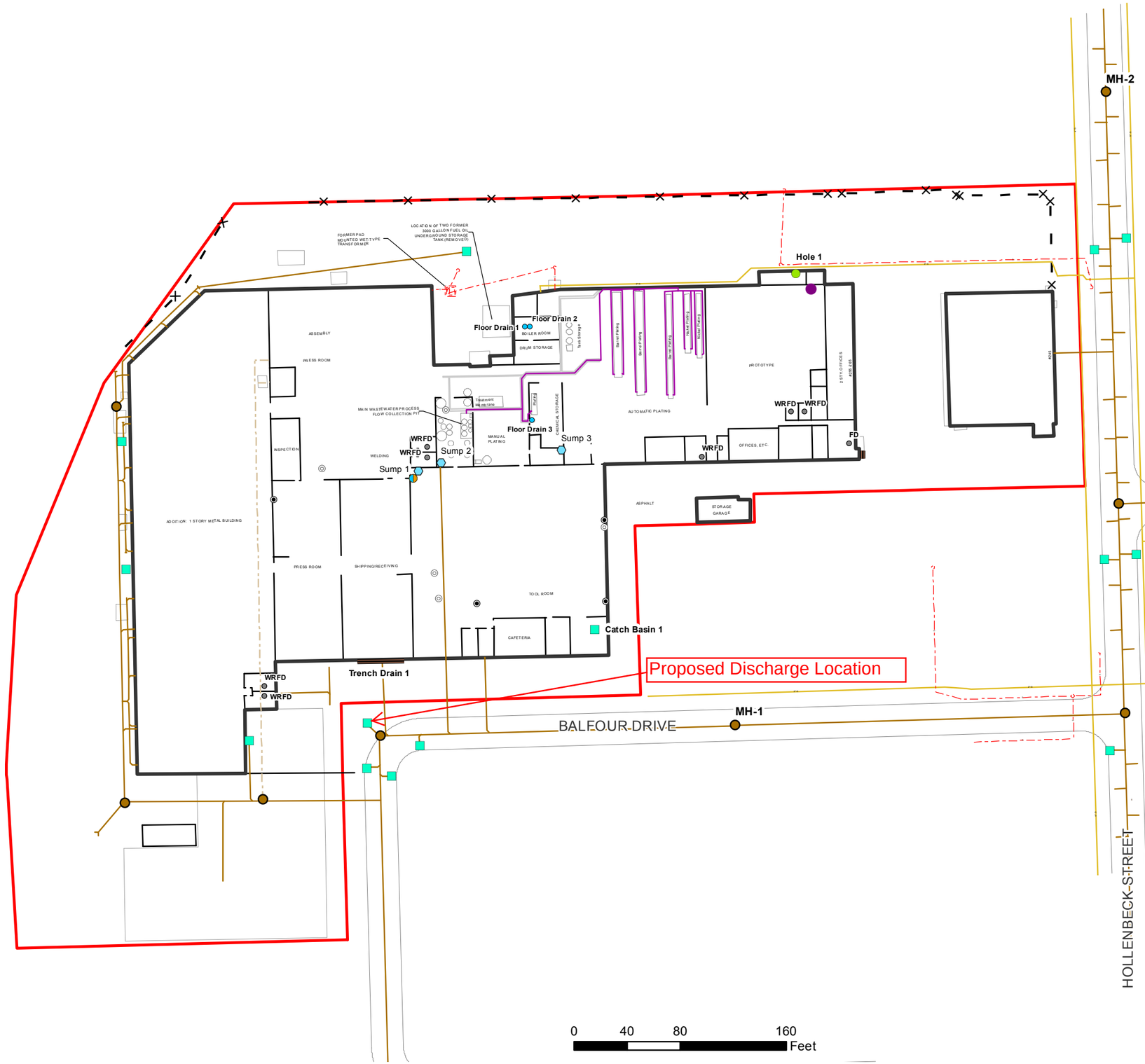
Very truly yours,
Day Environmental, Inc.

Jeffrey A. Danzinger
Project Manager

JAD/hmm

Enclosures

HMM0280 / 5211S-16 (OBI)



Legend

- Floor drain
- Washroom floor drain (WRFD)
- Condensate collection pit
- Sump pump
- Catch Basin
- Hole
- Oil Water Separator
- Manhole (MH)
- Cleanout
- Roof drain
- Sewer line removed
- Combined sewer line
- Trench drain
- Process piping
- Electric line
- Gas line
- Building
- Site boundary

N

NOTES:

- The discharge point of the following subsurface features was determined to be combined sewer system by dye testing and observation at Manhole 1 (i.e., combined sewer system):
  - Sump 1
  - Sump 2
  - Trench Drain 1
  - Catch Basin 1
- The discharge point of Floor Drain 2 was determined to be combined sewer system by dye testing and observation at Manhole 2 (i.e., combined sewer system)
- Sump 3 and Hole 1 were determined to be blocked by dye testing
- Floor Drain 3 was visually determined to discharge to the trench drain system
- Process piping system discharges to the wastewater treatment area
- Plating line liquid discharge enters overhead lines which then enter the process piping, which discharged to wastewater treatment area

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

DESIGNED BY	DRAWN BY	SCALE	DATE
RLK	CPS/CCD	AS NOTED	03-2016

DATE	DATE DRAWN	DATE ISSUED
03-2016	03-2016	03-23-2016

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title
Proposed Sewer Discharge Location

Project No.
5211S-16

FIGURE 1

Last Date Saved: 23 Mar 2016 Document Path: \\DAYGIS\GIS_Data\GIS Mapping\Mcalpin\5211S-16\Mcapin\5211S-3-Utility Plan 2016.mxd

eurofins | Spectrum Analytical

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Report Date:
23-Mar-16 16:45

Laboratory Report

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606
Attn: Heather McLennan

Project: OBI - Hollenbeck/Balfour - Rochester, NY
Project #: 5211S-16

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC19311-01	026-IDW-03-13-2016	Ground Water	16-Mar-16 11:30	18-Mar-16 12:13

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00098
USDA # S-51435

Authorized by:

June O'Connor
Laboratory Director

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Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 2.3 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 624

Calibration:

1603042

Analyte quantified by quadratic equation type calibration.

Bromoform
Carbon tetrachloride
Dibromochloromethane
Trichlorofluoromethane (Freon 11)
Vinyl chloride

This affected the following samples:

026-IDW-03-13-2016
1604908-BLK1
1604908-BS1
1604908-BSD1
S602380-ICV1
S602397-CCV1

S602380-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

1,1-Dichloroethene (127%)
Bromoform (131%)
Carbon tetrachloride (125%)
Dibromochloromethane (122%)

This affected the following samples:

026-IDW-03-13-2016
1604908-BLK1
1604908-BS1
1604908-BSD1
S602397-CCV1

EPA 625

Calibration:

1602029

EPA 625

Calibration:

1602029

Analyte quantified by quadratic equation type calibration.

2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
4-Nitrophenol
Benzidine
Benzoic acid

This affected the following samples:

026-IDW-03-13-2016
1604899-BLK1
1604899-BS1
S601170-ICV1
S602411-CCV1

Laboratory Control Samples:

1604899-BS1

This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.

Benzidine

Samples:

S602411-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Benzo (b) fluoranthene (28.1%)
Benzo (k) fluoranthene (-28.3%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (-26.8%)

This affected the following samples:

026-IDW-03-13-2016
1604899-BLK1
1604899-BS1

Sample Acceptance Check Form

Client:	Day Environmental, Inc.
Project:	OBI - Hollenbeck/Balfour - Rochester, NY / 5211S-16
Work Order:	SC19311
Sample(s) received on:	3/18/2016

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples refrigerated upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Summary of Hits

Lab ID: SC19311-01 **Client ID:** 026-IDW-03-13-2016

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Barium	0.0796		0.0100	mg/l	EPA 200.7
Chromium	0.0072	J	0.0100	mg/l	EPA 200.7
Lead	0.0051	J	0.0150	mg/l	EPA 200.7
Chloroform	0.4	J	1.0	µg/l	EPA 624
cis-1,2-Dichloroethene	11.7		1.0	µg/l	EPA 624
Tetrachloroethene	1.6		1.0	µg/l	EPA 624
Trichloroethene	22.3		1.0	µg/l	EPA 624
Vinyl chloride	2.3		1.0	µg/l	EPA 624

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
026-IDW-03-13-2016	5211S-16	Ground Water	16-Mar-16 11:30	18-Mar-16
SC19311-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by GCMS													
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	EPA 624	22-Mar-16	23-Mar-16	GMA	1604908	
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 0.3	U	µg/l	5.0	0.3	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	**0.4**	J	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**11.7**		µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 0.3	U	µg/l	10.0	0.3	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**1.6**		µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**22.3**		µg/l	1.0	0.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	**2.3**		µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
026-IDW-03-13-2016	5211S-16	Ground Water	16-Mar-16 11:30	18-Mar-16
SC19311-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by GCMS													
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*70-130 %*			EPA 624	22-Mar-16	23-Mar-16	GMA	1604908	
1868-53-7	*Dibromofluoromethane*	*98*			*70-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
83-32-9	Acenaphthene	< 1.22	U	µg/l	5.15	1.22	1	EPA 625	23-Mar-16	23-Mar-16	MSL	1604899	X
208-96-8	Acenaphthylene	< 1.12	U	µg/l	5.15	1.12	1	"	"	"	"	"	X
62-53-3	Aniline	< 1.45	U	µg/l	5.15	1.45	1	"	"	"	"	"	X
120-12-7	Anthracene	< 1.20	U	µg/l	5.15	1.20	1	"	"	"	"	"	X
103-33-3	Azobenzene/Diphenyldiazene	< 1.06	U	µg/l	5.15	1.06	1	"	"	"	"	"	
92-87-5	Benzidine	< 2.95	U	µg/l	5.15	2.95	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 1.16	U	µg/l	5.15	1.16	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 1.04	U	µg/l	5.15	1.04	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 1.05	U	µg/l	5.15	1.05	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 1.37	U	µg/l	5.15	1.37	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 1.39	U	µg/l	5.15	1.39	1	"	"	"	"	"	X
65-85-0	Benzoic acid	< 2.05	U	µg/l	5.15	2.05	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	< 1.79	U	µg/l	5.15	1.79	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	< 1.02	U	µg/l	5.15	1.02	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 1.15	U	µg/l	5.15	1.15	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 1.24	U	µg/l	5.15	1.24	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 1.44	U	µg/l	5.15	1.44	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 1.22	U	µg/l	5.15	1.22	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 1.36	U	µg/l	5.15	1.36	1	"	"	"	"	"	X
86-74-8	Carbazole	< 1.28	U	µg/l	5.15	1.28	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 1.27	U	µg/l	5.15	1.27	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 1.35	U	µg/l	5.15	1.35	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	< 1.23	U	µg/l	5.15	1.23	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 1.30	U	µg/l	5.15	1.30	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 1.19	U	µg/l	5.15	1.19	1	"	"	"	"	"	X
218-01-9	Chrysene	< 1.07	U	µg/l	5.15	1.07	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 1.23	U	µg/l	5.15	1.23	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 1.11	U	µg/l	5.15	1.11	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.64	U	µg/l	5.15	1.64	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.24	U	µg/l	5.15	1.24	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.16	U	µg/l	5.15	1.16	1	"	"	"	"	"	
91-94-1	3,3´-Dichlorobenzidine	< 1.60	U	µg/l	5.15	1.60	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 1.25	U	µg/l	5.15	1.25	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 1.57	U	µg/l	5.15	1.57	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 1.53	U	µg/l	5.15	1.53	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 1.45	U	µg/l	5.15	1.45	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 1.14	U	µg/l	5.15	1.14	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 1.93	U	µg/l	5.15	1.93	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
026-IDW-03-13-2016	5211S-16	Ground Water	16-Mar-16 11:30	18-Mar-16
SC19311-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
51-28-5	2,4-Dinitrophenol	< 2.22	U	µg/l	5.15	2.22	1	EPA 625	23-Mar-16	23-Mar-16	MSL	1604899	X
121-14-2	2,4-Dinitrotoluene	< 1.89	U	µg/l	5.15	1.89	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 1.69	U	µg/l	5.15	1.69	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 1.31	U	µg/l	5.15	1.31	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 1.23	U	µg/l	5.15	1.23	1	"	"	"	"	"	X
86-73-7	Fluorene	< 1.23	U	µg/l	5.15	1.23	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 1.08	U	µg/l	5.15	1.08	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.22	U	µg/l	5.15	1.22	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 2.14	U	µg/l	5.15	2.14	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 1.56	U	µg/l	5.15	1.56	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 1.33	U	µg/l	5.15	1.33	1	"	"	"	"	"	X
78-59-1	Isophorone	< 1.09	U	µg/l	5.15	1.09	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 1.25	U	µg/l	5.15	1.25	1	"	"	"	"	"	
95-48-7	2-Methylphenol	< 1.49	U	µg/l	5.15	1.49	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 1.49	U	µg/l	10.3	1.49	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.08	U	µg/l	5.15	1.08	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 1.43	U	µg/l	5.15	1.43	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	< 1.59	U	µg/l	5.15	1.59	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	< 2.21	U	µg/l	5.15	2.21	1	"	"	"	"	"	
98-95-3	Nitrobenzene	< 1.05	U	µg/l	5.15	1.05	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 1.49	U	µg/l	5.15	1.49	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 3.01	U	µg/l	5.15	3.01	1	"	"	"	"	"	X
62-75-9	N-Nitrosodimethylamine	< 1.42	U	µg/l	5.15	1.42	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 1.35	U	µg/l	5.15	1.35	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 1.51	U	µg/l	5.15	1.51	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 1.93	U	µg/l	5.15	1.93	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 1.28	U	µg/l	5.15	1.28	1	"	"	"	"	"	X
108-95-2	Phenol	< 1.01	U	µg/l	5.15	1.01	1	"	"	"	"	"	X
129-00-0	Pyrene	< 1.47	U	µg/l	5.15	1.47	1	"	"	"	"	"	X
110-86-1	Pyridine	< 1.59	U	µg/l	5.15	1.59	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.31	U	µg/l	5.15	1.31	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 1.23	U	µg/l	5.15	1.23	1	"	"	"	"	"	X
88-06-2	2,4,6-Trichlorophenol	< 1.11	U	µg/l	5.15	1.11	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*64*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*45*			*15-110 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*62*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*31*			*15-110 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*67*			*15-110 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			LNB	1604865	
Total Metals by EPA 200 Series Methods													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
026-IDW-03-13-2016 SC19311-01	5211S-16	Ground Water	16-Mar-16 11:30	18-Mar-16

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 200 Series Methods													
7440-22-4	Silver	< 0.0031	U	mg/l	0.0100	0.0031	1	EPA 200.7	22-Mar-16	23-Mar-16	BJW	1604877	X
7440-38-2	Arsenic	< 0.0049	U	mg/l	0.0080	0.0049	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0796**		mg/l	0.0100	0.0038	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.0011	U	mg/l	0.0050	0.0011	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.0072**	J	mg/l	0.0100	0.0028	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00009	U	mg/l	0.00020	0.00009	1	EPA 245.1/7470A	"	23-Mar-16	TBC	1604878	X
7439-92-1	Lead	**0.0051**	J	mg/l	0.0150	0.0040	1	EPA 200.7	"	23-Mar-16	BJW	1604877	X
7782-49-2	Selenium	< 0.0211	U	mg/l	0.0300	0.0211	1	"	"	"	"	"	X

Notes and Definitions

E	This flag indicates the concentration for this analyte is an estimated value due to exceeding the calibration range or interferences resulting in a biased final concentration.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Emily Kinney
Erica Troy
Jackie Clement
Kimberly LaPlante

SC19311 JH

SPECTRUM ANALYTICAL, INC.

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

☐ Standard TAT - 7 to 10 business days

☑ Rush TAT - Date Needed: 3 days

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: DAY Environmental, Inc
1563 Lyell Ave
Rochester NY 14606

Telephone #: (585) 454 0210
Project Mgr: H. McLennan

Invoice To: SAME

P.O No.: _____ Quote/RQN: _____

Project No: 5211 S-16
Site Name: OB1
Location: Halenbeck/Balfour Dr., Rochester State: NY
Sampler(s): S. Shoemaker

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List Preservative Code below: 5 / 4 / 2 — Analysis: SVOC USEPA method 625	Pesticides USEPA method 8081B	Halogenated organics USEPA method 624	Check if chlorinated
SC19311-01	OB1DW-03-13-2016	3/16/16	1130	C	GW	4	1		1	X	X	X	☐
													☐
													☐
													☐
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													☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☑ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	3/18/16	1213
Caitlin Smart	JH	3/22/16	1225

Temp °C: Observed -0.9; Correction Factor 0; Corrected -0.9; IR ID # 02

☒ EDD format: _____
☒ E-mail to: hmclennan@daymail.net
jdanzinger@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.3 1.0 R3 IR 3 CAB 3/18/16

DAYEN-1 OP ID: SM

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 11/11/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Poole Professional - NY 1160F Pittsford-Victor Rd. Pittsford, NY 14534 Mary-Beth Rumble	CONTACT NAME: PHONE (A/C, No, Ext): 585-385-0428 FAX (A/C, No): 585-662-5755 E-MAIL ADDRESS:
INSURED Day Environmental, Inc. 1563 Lyell Avenue Rochester, NY 14606	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : National Fire Ins. Co. — 20478 INSURER B : Transportation Insurance Co. — 20494 INSURER C : Continental Casualty Company — 20443 INSURER D : Travelers Indemnity Co. — 25658 INSURER E : XL Specialty Insurance Company — 37885 INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	COMMERCIAL GENERAL LIABILITY CLAIMS-MADE / OCCUR X Business Owners GEN'L AGGREGATE LIMIT APPLIES PER: POLICY / PRO-JECT / LOC OTHER:	X		6018460103	05/01/2015	05/01/2016	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS / SCHEDULED AUTOS HIRED AUTOS / NON-OWNED AUTOS	X		6018460117	05/01/2015	05/01/2016	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
C	X UMBRELLA LIAB / OCCUR EXCESS LIAB / CLAIMS-MADE DED X RETENTION $ 10000	X		6018460084	05/01/2015	05/01/2016	EACH OCCURRENCE AGGREGATE	$ 4,000,000 $ 4,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N: N / N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			UB4259T294	05/01/2015	05/01/2016	X PER STATUTE / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
E	A/E E&O POLLUTION			DPR9715789 25,000 DEDUCTABLE	05/01/2015	05/01/2016	EA CLAIM AGGREGATE	2,000,000 3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

For professional liability coverage, the aggregate limit is the total insurance available for all covered claims presented within the policy period. All operations of the named insured. Certificate holder and all others required by written contract are additional insured on the gneral liability, auto and umbrella policies only.

CERTIFICATE HOLDER

MONRO23

Monroe County Pure Waters
Industrial Waste Control
145 Paul Road, Bldg. 10
Rochester, NY 14624

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Mary Beth Rumble

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. _____ ST- Permit No:_____

Expires: _____

Fee: $125.00

Firm Name Day Environmental, Inc.
Address 1563 Lyell Avenue
Rochester, New York 14606

Type of Business or Service Environmental Consulting

I. The above-named applicant is permitted to discharge wastes into the Pure Waters Sewer system or Tributary thereto as applied for by an application dated_____ and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A._____
B._____
C._____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) David D. Day

Applicant's Signature David D. Day, Pres. Date 3/30/16

Applicant's Title President Phone (585) 454-0210

Emergency Contact Jeff Danzinger Phone (585) 454-0210

Renewal Approved by: _____ Issued this ___ day of _____ 20 ___ .

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County

ORIGINAL DOCUMENT PRINTED ON CHEMICAL REACTIVE PAPER WITH MICROPRINTED BORDER

14508

day

DAY ENVIRONMENTAL, INC.
1563 LYELL AVE
ROCHESTER, NEW YORK 14606

Canandaigua National Bank & Trust

50-365/223

DATE

3/24/2016

PAY TO THE ORDER OF Monroe County Director of Finance

$ **125.00

One Hundred Twenty-Five and 00/100********** DOLLARS

OPERATING ACCOUNT

Monroe County Director of Finance
MCDES
Industrial Waste Control
145 Paul Road, Bldg. 10
Rochester, New York 14624

MEMO 5211S-16

Details on back. Security Features Included.

SAFEGUARD SECURE

THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS HERE - RED IMAGE DISAPPEARS WITH HEAT.

⑈014508⑈ ⑆022303659⑆ 110224943 1⑈

CK #14508

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. 8575 ST- Permit No: ST-307

Expires: 4/30/16

Fee: $125.00

Firm Name Day Environmental, Inc.
Address 1563 Lyell Avenue
Rochester, New York 14606

Type of Business or Service Environmental Consulting

I. The above-named applicant is permitted to discharge wastes into the Pure Waters Sewer system or Tributary thereto as applied for by an application dated _____ and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A. _____
B. _____
C. _____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) David D. Day

Applicant's Signature David D. Day, Pres. Date 3/30/16

Applicant's Title President Phone (585) 454-0210

Emergency Contact Jeff Danzinger Phone (585) 454-0210

Renewal Approved by: _____ Issued this 7 day of APRIL 20 16.

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County

COUNTY OF MONROE
SEWER USE PERMIT ENCLOSURE

Day Environmental
1563 Lyell Ave
Rochester, NY 14606

PERMIT NUMBER: ST-307
DISTRICT NUMBER: 8575

SITE LOCATION: McAlpin Industries/Monroe Plating
50 Balfour Drive,
Rochester, NY

SAMPLE POINT: Frac Tank

REQUIRED MONITORING

SELF MONITORING FREQUENCY: **Each and Every Discharge**

SAMPLING PROTOCOL: Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto. In the absence of 40 CFR Part 136 testing methodology, a New York State Department of Health, approved method is acceptable. A grab sample, collected from the above noted sample point, must be analyzed for the following:

Ana lyte	Sewer Use Limit
Ag (Total)	2.0 mg/L
As (Total)	0.5 mg/L
Cd (Total)	1.0 mg/L
Cr (Total)	3.0 mg/L
Cu (Total)	3.0 mg/L
Ni (Total)	3.0 mg/L
Pb (Total)	1.0 mg/L
Zn (Total)	5.0 mg/L
Semi-Volatile Organic Compounds	*
Volatile Organic Compounds	*

* The summation of all volatile organic compounds and semi-organic volatile compounds reported greater than 10 µg/l shall not exceed 2.13 mg/L.

SPECIAL CONDITIONS:

2. **Discharge location must be approved by Monroe County prior to discharging.**
3. **All future discharges must be approved by Monroe County.**
4. **The discharge rate must not exceed 10 gpm**

day
DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

July 20, 2016

Ms. Erin Magee
Monroe County Department of Environmental Services
145 Paul Rd Bldg. 1
Rochester, New York 14624

RE: McAlpin Industries Site
50 Balfour Drive, 245-265 Hollenbeck Street, and 271 Hollenbeck Street
Rochester, New York

Dear Ms. Magee:

Day Environmental, Inc. (DAY) is requesting a Specialty Short Term Discharge Permit from the Monroe County Department of Environmental Services (MCDES) for the above-referenced property (Site). On behalf of OBI, LLC, DAY is performing a Remedial Investigation (RI) under the New York State Department of Environmental Conservation (NYSDEC).

The McAlpin Site consists of approximately 6.95 acres of land on three contiguous parcels, and it is currently developed with an approximate 134,000 square foot, combined one-story and two-story concrete block building, with two attached one-story metal buildings that house a sheet metal fabrication, metal plating, stamping and assembly business. A second, approximate 8,000 square foot, one-story, brick building used as a warehouse is also located at the property. Past uses of the Site include tool and die operations, plastic packaging, parts machining, printing operations and silk screening operations. The Site is serviced by a public combined sewer system. The RI was conducted to further evaluate environmental conditions in relation to previously identified chlorinated volatile organic compound and petroleum impacts in soil and groundwater at the Site.

DAY is requesting a Specialty Short Term Discharge Permit for bedrock and overburden development and sampling purge water, and decontamination water that has been generated during the RI work. It is estimated that a total of approximately 650 gallons of water is currently staged on-site in thirteen 55-gallon drums, and the water is free of solids. Sample 099-IDW-6-29-16 is a composite sample collected from drums that are representative of this investigation-derived waste water. The sample was analyzed for Purgeable Organics via United States Environmental Protection Agency (USEPA) Method 624, and Resource Conservation and Recovery Act (RCRA) Metals and total copper nickel and zinc via USEPA Method 200.7. Spectrum Eurofins Analytical (Spectrum), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory (ELAP ID #11393), performed the analyses. A copy of Spectrum's report with the results for Sample 099-IDW-6-29-16 is enclosed. In addition, there is no petroleum product or petroleum sheen on the water. Once a Specialty Short Term Discharge Permit is approved by MCDES, the wastewater would be discharged directly to the combined sewer system drain inlet shown on the enclosed Figure 1 at a rate not to exceed 10 gallons per minute (gpm).

Also enclosed are a copy of DAY's insurance certificate, a copy of a Specialty Short Term Discharge Permit with DAY's required information and signature, and a check in the amount of $125.00 made payable to the Monroe County Director of Finance.

If there are any questions, please contact this office.

Very truly yours,
Day Environmental, Inc.

Jeffrey A. Danzinger
Project Manager

JAD/s

Enclosures

JD7726 / 5211S-16 (OBI)

eurofins | Spectrum Analytical

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Report Date:
15-Jul-16 17:15

Laboratory Report

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606
Attn: Jeff Danzinger

Project: McAlpin - Rochester, NY
Project #: 5211S-16

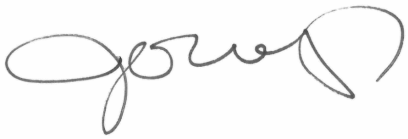
Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC23258-01	098-IDW-6-29-16	Soil	29-Jun-16 09:20	01-Jul-16 13:30
SC23258-02	099-IDW-6-29-16	Ground Water	29-Jun-16 09:25	01-Jul-16 13:30
SC23258-03	100-MW-17 (LNAPL)	Ground Water	29-Jun-16 09:55	01-Jul-16 13:30
SC23258-04	101-TB-7-1-16	Distilled Water	01-Jul-16 00:00	01-Jul-16 13:30
SC23258-05	100-MW-17	Aqueous	29-Jun-16 09:55	01-Jul-16 13:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00098
USDA # S-51435

NELAP ACCREDITED TNI LABORATORY

Authorized by:



June O'Connor
Laboratory Director

Eurofins Spectrum Analytical holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 21 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our Quality web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
099-IDW-6-29-16	5211S-16	Ground Water	29-Jun-16 09:25	01-Jul-16
SC23258-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by GCMS													
67-64-1	Acetone	< 10.0	U	µg/l	10.0	3.4	1	EPA 624	11-Jul-16	12-Jul-16	TS	1611721	
71-43-2	Benzene	< 1.0	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 1.0	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.0	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.0	U	µg/l	2.0	0.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0	U	µg/l	10.0	1.2	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 5.0	U	µg/l	5.0	0.3	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.0	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.0	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.0	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.0	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.0	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 1.0	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.0	U	µg/l	1.0	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.0	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.0	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.0	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.0	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.0	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.0	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	1.4		µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.0	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.0	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 1.0	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 1.0	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.0	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0	U	µg/l	10.0	1.2	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.0	U	µg/l	1.0	0.3	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0	U	µg/l	10.0	0.9	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 10.0	U	µg/l	10.0	0.8	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.0	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 1.0	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.0	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.0	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.0	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.0	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.0	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.0	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.0	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.0	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.0	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
099-IDW-6-29-16 SC23258-02	5211S-16	Ground Water	29-Jun-16 09:25	01-Jul-16

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by GCMS													
17060-07-0	*1,2-Dichloroethane-d4*	*99*			*70-130 %*			EPA 624	11-Jul-16	12-Jul-16	TS	1611721	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*			"	"	"	"	"	
Total Metals by EPA 200/6000 Series Methods													
	Preservation	**Field Preserved**		N/A			1	EPA 200/6000 methods			BK	1611365	
Total Metals by EPA 200 Series Methods													
7440-22-4	Silver	< 0.0100	U	mg/l	0.0100	0.0032	1	EPA 200.7	07-Jul-16	12-Jul-16	edt	1611508	X
7440-38-2	Arsenic	**0.0052**	J	mg/l	0.0080	0.0035	1	"	"	"	"	"	X
7440-39-3	Barium	**0.0678**		mg/l	0.0100	0.0013	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.0006**	J	mg/l	0.0050	0.0006	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.0113**		mg/l	0.0100	0.0015	1	"	"	"	"	"	X
7440-50-8	Copper	**0.0134**		mg/l	0.0100	0.0046	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.00020	U	mg/l	0.00020	0.00009	1	EPA 245.1/7470A	"	08-Jul-16	SMR	1611509	X
7440-02-0	Nickel	**0.0236**		mg/l	0.0100	0.0045	1	EPA 200.7	"	12-Jul-16	edt	1611508	X
7439-92-1	Lead	**0.0129**	J	mg/l	0.0150	0.0055	1	"	"	"	"	"	X
7782-49-2	Selenium	< 0.0300	U	mg/l	0.0300	0.0172	1	"	"	"	"	"	X
7440-66-6	Zinc	**0.0768**		mg/l	0.0100	0.0045	1	"	"	"	"	"	X

SC 23258

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Day Environmental
1563 Lyell Avenue
Rochester, NY
14606
Telephone #: 585-454-0210
Project Mgr: Jeff Danzinger

Invoice To: SAME
P.O No.: _____ Quote #: _____

Project No: 5211S-16
Site Name: McAlpin
Location: Rochester State: NY
Sampler(s): Heather McLennan, Sean Reese
Jeff Danzinger

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= distilled water X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Purgeable Organics Method 624	RCRA Metals & total Copper, Nickel, Zinc via USEPA Method 200.7	Full TCLP	PCBs 8082	TPH 8100	TCL VOCs & TICs 8260	Check if chlorinated
SC23258-01	098-IDW-6-29-16	6/29/2016	9:20 AM	C	SO		5					x	x			☐
-02	099-IDW-6-29-16	6/29/2016	9:25 AM	C	GW	4	1		1	x	x					☐
-03	100-MW-17 (LNAPL)	6/29/2016	9:55 AM	G	GW		2						BM 7/13	~~x~~	x	☐
-04	101-TB-7-1-16	7/1/2016	-	-	X1	1				X					~~x~~	☐
-05	100-MW-17				Aq									x		☐
																☐
																☐
																☐
																☐
																☐

List Preservative Code below: 2 | 4

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☑ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Complete analysis on LNAPL portion, ~~hold VOC analysis~~
~~hold based on 100-MW-17 (LNAPL)~~
Run per client.
BM 7/5
Run TPH on Aqueous portion from -03
BM 7/13

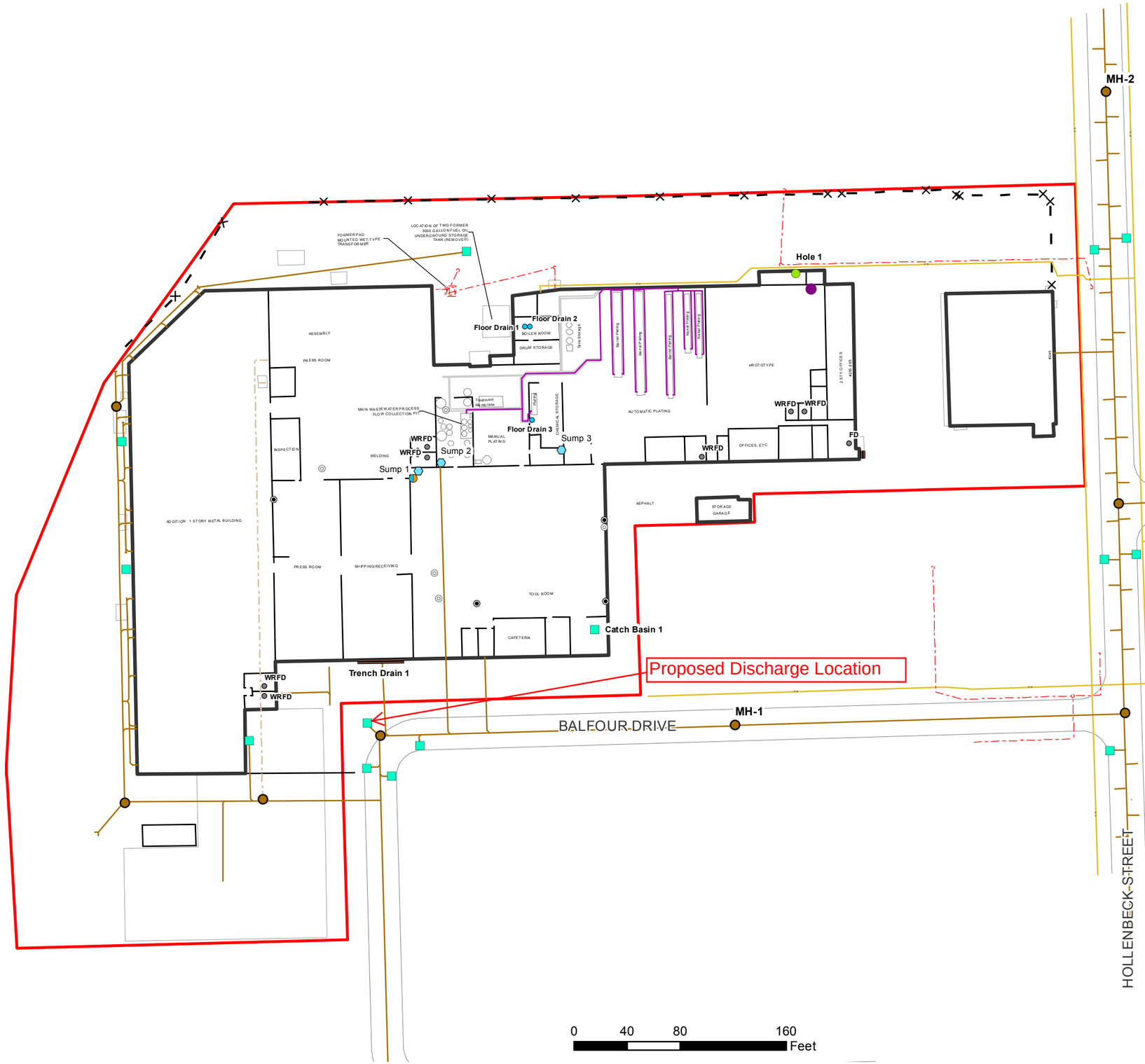
Relinquished by:	Received by:	Date:	Time:
HMC	Cynthia	7/1/16	1330
Cynthia	ERR	7/5/16	1325

Temp °C: Observed 4.5 | Correction Factor 0 | Corrected 4.5 | IR ID # 01

☑ EDD format: NYSDEC Equis
☑ E-mail to: jdanzinger@daymail.net
hmclennan@daymail.net

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☐ Iced ☑ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

2.2 - 0.2 = 2.0 IR 3 7/1/16



Legend

- Floor drain
- Washroom floor drain (WRFD)
- Condensate collection pit
- Sump pump
- Catch Basin
- Hole
- Oil Water Separator
- Manhole (MH)
- Cleanout
- Roof drain
- Sewer line removed
- Combined sewer line
- Trench drain
- Process piping
- Electric line
- Gas line
- Building
- Site boundary

N

NOTES:

- The discharge point of the following subsurface features was determined to be combined sewer system by dye testing and observation at Manhole 1 (i.e., combined sewer system):
  - Sump 1
  - Sump 2
  - Trench Drain 1
  - Catch Basin 1
- The discharge point of Floor Drain 2 was determined to be combined sewer system by dye testing and observation at Manhole 2 (i.e., combined sewer system)
- Sump 3 and Hole 1 were determined to be blocked by dye testing
- Floor Drain 3 was visually determined to discharge to the trench drain system
- Process piping system discharges to the wastewater treatment area
- Plating line liquid discharge enters overhead lines which then enter the process piping, which discharged to wastewater treatment area

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

DESIGNED BY	DRAWN BY	SCALE	DATE
RLK	CPS/CCD	AS NOTED	03-2016

DATE	DATE DRAWN	DATE ISSUED
03-2016	03-2016	03-23-2016

DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title
Proposed Sewer Discharge Location

Project No.
5211S-16

FIGURE 1

Last Date Saved: 23 Mar 2016 Document Path: \\DAYGIS\GIS_Data\GIS Mapping\Mcalpin\5211S-16\Mcapin\5211S-3-Utility Plan 2016.mxd

DAYEN-1 OP ID: SM

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 04/21/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Poole Professional - NY 1160F Pittsford-Victor Rd. Pittsford, NY 14534 Mary-Beth Rumble	CONTACT NAME: PHONE (A/C, No, Ext): 585-385-0428 FAX (A/C, No): 585-662-5755 E-MAIL ADDRESS:
INSURED Day Environmental, Inc. 1563 Lyell Avenue Rochester, NY 14606	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : National Fire Ins. Co. — 20478 INSURER B : Transportation Insurance Co. — 20494 INSURER C : Continental Casualty Company — 20443 INSURER D : Travelers Indemnity Co. — 25658 INSURER E : XL Specialty Insurance Company — 37885 INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	COMMERCIAL GENERAL LIABILITY CLAIMS-MADE / OCCUR X Business Owners GEN'L AGGREGATE LIMIT APPLIES PER: POLICY / PRO-JECT / LOC OTHER:			6018460103	05/01/2016	05/01/2017	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS / SCHEDULED AUTOS HIRED AUTOS / NON-OWNED AUTOS			6018460117	05/01/2016	05/01/2017	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
C	X UMBRELLA LIAB / OCCUR EXCESS LIAB / CLAIMS-MADE DED X RETENTION $ 10000			6018460084	05/01/2016	05/01/2017	EACH OCCURRENCE AGGREGATE	$ 4,000,000 $ 4,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: N (N / A) (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			UB4259T294	05/01/2016	05/01/2017	X PER STATUTE / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
E	A/E E&O POLLUTION			DPR9803963 25,000 DEDUCTIBLE	05/01/2016	05/01/2017	EA CLAIM AGGREGATE	1,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

All operations of the named insured.

CERTIFICATE HOLDER

MONRO23

Monroe County Pure Waters
Industrial Waste Control
145 Paul Road, Bldg. 10
Rochester, NY 14624

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Mary Beth Rumble

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. _____ ST- Permit No:_____

Expires: _____

Fee: $125.00

Firm Name Day Environmental, Inc.
Address 1563 Lyell Avenue
Rochester, New York 14606

Type of Business or Service Environmental Consulting

I. The above-named applicant is permitted to discharge wastes into the Pure Waters Sewer system or Tributary thereto as applied for by an application dated_____ and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A._____
B._____
C._____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) David D. Day

Applicant's Signature David D Day, Pres Date 7/20/16

Applicant's Title President Phone (585) 454-0210

Emergency Contact Jeff Danzinger Phone (585) 454-0210

Renewal Approved by: _____ Issued this ___ day of _____ 20 ___ .

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County

ORIGINAL DOCUMENT PRINTED ON CHEMICAL REACTIVE PAPER WITH MICROPRINTED BORDER

14690

day

DAY ENVIRONMENTAL, INC.
1563 LYELL AVE
ROCHESTER, NEW YORK 14606

Canandaigua National Bank & Trust

50-365/223

DATE
7/19/2016

PAY TO THE ORDER OF Monroe County Director of Finance

$ **125.00

One Hundred Twenty-Five and 00/100********** DOLLARS

OPERATING ACCOUNT

Monroe County Director of Finance
MCDES
Industrial Waste Control
145 Paul Road, Bldg. 10
Rochester, New York 14624

MEMO 5211S-16

Details on back. Security Features Included.

SAFEGUARD SECURE

THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS HERE - RED IMAGE DISAPPEARS WITH HEAT.

⑈014690⑈ ⑆022303659⑆ 110224943 1⑈

14690

DAY ENVIRONMENTAL, INC. 1563 Lyell Ave. Rochester, NY 14606

Monroe County Director of Finance

7/19/2016

Date	Type	Reference	Original Amt.	Balance Due	Discount	Payment
7/19/2016	Bill	Permit	125.00	125.00		125.00
					Check Amount	125.00

day
DAY ENVIRONMENTAL, INC.

CNB Checking Accou 5211S-16

125.00

CK # 14690

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. 8575 ST- Permit No: ST-318

Expires: 8/15/16

Fee: $125.00

Firm Name Day Environmental, Inc.
Address 1563 Lyell Avenue
Rochester, New York 14606

Type of Business or Service Environmental Consulting

I. The above-named applicant is permitted to discharge wastes into the Pure Waters Sewer system or Tributary thereto as applied for by an application dated _____ and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A. _____
B. _____
C. _____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) David D. Day

Applicant's Signature David D. Day, Pres. Date 7/20/16

Applicant's Title President Phone (585) 454-0210

Emergency Contact Jeff Danzinger Phone (585) 454-0210

Renewal Approved by: _____ FOR MJG Issued this 26 day of July 20 16.

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County

COUNTY OF MONROE
SEWER USE PERMIT ENCLOSURE

Day Environmental
1563 Lyell Ave
Rochester, NY 14606

PERMIT NUMBER: ST-318
DISTRICT NUMBER: 8575

SITE LOCATION: McAlpin Industries/Monroe Plating
50 Balfour Drive,
Rochester, NY

SAMPLE POINT: Frac Tank

REQUIRED MONITORING

SELF MONITORING FREQUENCY: **Each and Every Discharge**

SAMPLING PROTOCOL: Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto. In the absence of 40 CFR Part 136 testing methodology, a New York State Department of Health, approved method is acceptable. A grab sample, collected from the above noted sample point, must be analyzed for the following:

Ana lyte	Sewer Use Limit
Ag (Total)	2.0 mg/L
As (Total)	0.5 mg/L
Cd (Total)	1.0 mg/L
Cr (Total)	3.0 mg/L
Cu (Total)	3.0 mg/L
Ni (Total)	3.0 mg/L
Pb (Total)	1.0 mg/L
Zn (Total)	5.0 mg/L
Volatile Organic Compounds	*

* The summation of all volatile organic compounds reported greater than 10 µg/l shall not exceed 2.13 mg/L.

SPECIAL CONDITIONS:

2. **Discharge location must be approved by Monroe County prior to discharging.**
3. **All future discharges must be approved by Monroe County.**
4. **The discharge rate must not exceed 10 gpm**

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	585-436-5660	16-0904

GENERATOR

5. Generator's Name and Mailing Address
OBI, LLC
225 HOLLENBECK ST.
ROCHESTER NY 14621

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: NEW YORK ENVIRONMENTAL TECHNOLOGIES, INC.
U.S. EPA ID Number: NYD986983229

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

8. Designated Facility Name and Site Address
CYCLE CHEM, INC.
560 INDUSTRIAL DR.
LEWISBERRY PA 17339
Facility's Phone: 717 938-4700
U.S. EPA ID Number: PAD067098822

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON RCRA, NON DOT REGULATED SOLIDS	18 SA 01	DM	04000	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
JOB # DAYE.1002-1143 DAY ENVIRONMENTAL P.O. #37675
#1 NYE335-LD-A (55 GAL) SIGNED PROFILE ATTACHED

14. 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.

Generator's/Offeror's Printed/Typed Name: Connie Olson
Signature:
Month: 8 Day: 1 Year: 16

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: SHAKIR MITCHELL
Signature:
Month: 8 Day: 1 Year: 16

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Annie E. Hird
Signature: Annie E. Hird
Month: 08 Day: 04 Year: 16

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NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	800-807-7455	18-0187

GENERATOR

5. Generator's Name and Mailing Address
OBI, LLC
225 HOLLENBECK ST
ROCHESTER NY 14621
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
SUN ENVIRONMENTAL CORP.
U.S. EPA ID Number: NYR000176958

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

8. Designated Facility Name and Site Address
CYCLE CHEM, INC.
550 INDUSTRIAL DR.
LEWISBERRY PA 17339
Facility's Phone: 717 938-4700
U.S. EPA ID Number: PAD067098822

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON RCRA, NON DOT REGULATED SOLIDS	001	DM	00500	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
JOB # DAYE.1013 DAY ENVIRONMENTAL PO# R39813
1. 55 GAL / HANDLING CODE L / APPROVED PROFILE NYE335-LD-A

14. **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.

Generator's/Offeror's Printed/Typed Name: CHRIS Pezner
Signature:
Month: Aug Day: 15 Year: 18

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DONNIE KING
Signature:
Month: 8 Day: 15 Year: 18

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month: Day: Year:

APPENDIX N

Correspondence with NYSDEC regarding UST Information with Supporting Documentation

Heather McLennan

From: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Sent: Tuesday, September 3, 2019 4:34 PM
To: Heather McLennan
Cc: David Day; Ray Kampff; Nate Simon; mmcalpin@mcalpin-ind.com; Nealon, Jacquelyn E (HEALTH)
Subject: RE: NYSDEC Site No. 828188_OBI, LLC_UST Information
Attachments: Table 1_Summary of info from near UST.pdf; Frank McAlpin interview_6.26.pdf; Figure A - 5211S-23-UST Area.pdf

Heather,

Thank you for putting all of this together. Based on the information you presented, I agree that the 10,000 gallon tank does not appear to be a source of chlorinated VOC contamination.

In the September 10 monthly report, please provide a schedule for submitting the revised RI Report and revised Feasibility Study. I would prefer you focus on getting those documents done as soon as possible so DEC can issue a Record of Decision by the end of March 2020.

With respect to a tank closure IRM, I don't want to get distracted from completing the RIR, PRAP and ROD. Instead of doing an IRM, can the FS just say that the tank will be properly closed and the details about whether to pull it or close it in place will be specified in the Remedial Design or is there another factor for wanting to do an IRM?

Thanks,

Frank Sowers, P.E.
Professional Engineer 1, Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Rd, Avon, NY 14414
P: (585) 226-5357 | F: (585) 226-8139 | frank.sowers@dec.ny.gov

www.dec.ny.gov | |

From: Heather McLennan <hmclennan@daymail.net>
Sent: Friday, August 23, 2019 1:31 PM
To: Sowers, Frank (DEC) <frank.sowers@dec.ny.gov>
Cc: David Day <DDay@daymail.net>; Ray Kampff <RKampff@daymail.net>; Nate Simon <NSimon@daymail.net>; mmcalpin@mcalpin-ind.com
Subject: NYSDEC Site No. 828188_OBI, LLC_UST Information

Frank,

The information summarized below is being provided to support the position that the approximate 10,000-gallon UST located in the north courtyard of the above referenced site was formerly used to store fuel oil, and did not contain chlorinated solvents.

- Observations made at the time of a Supplemental RI conducted in the north courtyard are described below (Note, this excerpt is from the RI/FS report dated August 24, 2017):

  "3.2.2.1 Anomaly Investigation
  The anomaly encountered in the exterior courtyard area located on the north side of the Main Building was determined to be an approximately 10,000-gallon UST, containing approximately 6,000-gallons of water. Evidence of free product was not observed floating on the water in the UST. A black oily residue was observed on the exterior of a bailer that was lowered into the water in the UST in order to obtain a sample of the water for visual observation. ~~This black oily residue may be indicative of No. 6 fuel oil~~ (text strikethrough due to NYSDEC comments). The extent of the excavation conducted in the vicinity of the UST was limited due to an underground electrical line to the north of the UST and a transformer located northwest of the western portion of the UST. PID readings of the soil in the vicinity of the UST ranged from 0 ppm to a maximum of 7.3 ppm. Stained soil was not observed in the excavation. The location of the UST and test pit TP-B are shown on Figure 4. A log of test pit TP-B is provided in Appendix D."

- Attached is a questionnaire completed with Mr. Frank McAlpin, who was formerly associated with the site, indicating that the tank was installed in the 1970s to store heating oil. This interview was conducted on June 26, 2019 in order to obtain additional information regarding the UST.

- Attached Figure A shows the approximate location of the UST with a 30-foot radius around the UST. A table (Table 1) is also provided that summarizes information available from test pit logs, test boring logs, and analytical data (if available) for soil samples or groundwater samples collected from within a 30-foot radius of the UST.
  - Based on the information provided in the summary table, petroleum impacts have been identified in proximity of the UST.
  - Analytical results indicate that soil samples collected from some of these test borings had TPH concentrations indicative of a petroleum release/spill; however, chlorinated VOC concentrations were not detected (e.g., TB-122 was located south of the UST and had a TPH concentration of 807 ppm, with NAPL on the sleeves of the split spoon, but no detections of halogenated VOCs).
  - When chlorinated VOCs were detected in the vicinity of the UST, the concentrations were consistent with the other areas of the Site rather than what would have been expected if an UST containing chlorinated VOCs was leaking and acting as a source of the chlorinated VOC contamination.

[Note, the high-powered electrical line shown on the figure is located within approximately four feet from the UST.]

DAY is planning to proceed with developing an IRM Work Plan to close the UST in place as a petroleum storage tank under the guidance of the NYSDEC Spill Division. Please advise if the NYSDEC agrees with this approach.

Thanks,
Heather

Heather McLennan, CHMM
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:116
Mobile: (585) 967-2804
Fax: (585) 454-0825

Table 1
Summary of Information from Test Pits, Test Borings, and Monitoring Wells within 30 foot radius of UST in north courtyard
245-265, 271 Hollenbeck Street and 50 Balfour Drive, Rochester, New York

Location	Date of installation	What samples were tested for VOCs?	Evidence of petroleum from boring log?	Did lab results indicate petroleum impacts?	Did lab results indicate chlorinated impacts?	Maximum PID
TP-1 (NE of UST)	1997	NT	Yes - log says heavy staining, strong petroleum-like odors at 5.5 ft., water at 7.5 ft. w free product and sheen	NT	NT	118 ppm at 8.5 ft
TP-2 (E of UST)	1997	TPH (9-10')	Yes - log says reworked soil/fill (possibly from former UST pit) with strong petroleum odors 4.5-10.6 ft., water @ 9 ft. w free product	TPH = 162.341 pppm	NT	118 ppm at 8.5 ft
TP-3 (SE of UST)	1997	NT	Yes - strong petroleum odor at 9 ft., water at 9 ft. w free product	NT	NT	159 ppm at 8 ft.
TP-4 (S of UST)	1997	NT	Yes - weathered petroleum like odor from 2.5 to 6 ft, petroleum-like odor from 6 to 8.25 ft	NT	NT	59.3 ppm at 7.5 ft.
MW-3 (NW of UST)	1997	GW (TCL VOCs in 1997, VOCs in 2004, CVOCs after)	Yes - petroleum-like odor at 8 ft.	no	(1st GW: c-1,2-DCE = 31 ppb, t-1,2-DCE = 1.1 ppb, PCE = 3.6 ppb, TCE = 83.4 ppb, VC = 1.6 ppb; 2nd GW: c-1,2-DCE = 6.9 ppb, t-1,2-DCE = 0.3 ppb, TCE = 12.3 ppb, VC = 3.1 ppb)	4.1 ppm at 8 ft.
MW-3R (NW of UST)	2016	GW (TCL VOCs in 2016)	No sampling of overburden	no	(1st GW: c-1,2-DCE = 38.2 ppb,PCE = 5 ppb, TCE = 119 ppb; 2nd GW: c-1,2-DCE = 41.8 ppb, TCE = 145 ppb)	NA
MW-4 (E of UST)	1997	GW (TCL VOCs in 1997, CVOCs after)	Yes, petroleum-like odor at 7 ft, oil on water inside split spoon	no	yes in 1997, no in 2008	157 ppm at 8 ft.
MW-11 (S of UST)	2007	GW CVOCs in 2007, CVOCs in 2008 x 2,	No recovery from 0 to 10 ft. bgs, petroleum-type odor from 10 to 12 ft.	NT	Yes in 2007, no in 2008	12.4 ppm at 11.5 ft.
TB-6 (N of UST)	1998	TCL/STARS VOCs, STARS SVOCs (4-8') TPH (8-10')	NA	(4-8') yes (1,2,4-trimethylbenzene = 0.100 ppm) (8-10') mid-weight PHC as diesel fuel, TPH = 1806 ppm	(4-8') - yes (TCE = 0.093 ppm)	-
TB-118 (E of UST)	2005	NT	'odors' reported from 6-10.7 ft. but no description of 'odors'	NT	NT	318 ppm at 10 ft.
TB-121 (NE of UST)	2005	TPH (6.5')	'odors' reported from 5.5-10.4 ft. but no description of 'odors'	TPH = 29.3 ppm	NT	271 ppm at 10 ft.
TB-122 (S of UST)	2005	Halogenated VOCs, TPH (11')	Yes, odor with DNAPL on sample sleeve at ~10.5 ft.	TPH = 807 ppm	No	419 ppm at ~10.5 ft.
TB-215 (S of UST)	2006	CVOCs (8') CVOCs (11.9')	No recovery from 0-8 ft.	NT	No at 8 ft., Yes at 11.9 ft below ISCO (c-1,2-DCE = 0.021 ppm)	21.3 at ~9 ft.
TB-M/MW-M (NE of UST/located in TP-1)	2016	TCL/TAL (8-11.7')	Unknown odor at 11.6'	Below ISCO in soil (MEK = 0.0031 ppm, carbon disulfide = 0.0034 ppm, cyclohexane = 0.0092 ppm, methylcyclohexane = 0.0543 ppm, isopropylbenzene = 0.0028 ppm, n-propylbenzene = 0.005 ppm, n-butylbenzene = 0.0122 ppm, sec-butylbenzene = 0.013 ppm, 1,2,4-trimethylbenzene=0.0007 ppm, toluene = 0.0013 ppm, xylenes = 0.0021 ppm), GW (1st: benzene = 0.2 ppb; 2nd: benzene = 0.4 ppb, MEK = 1.4 ppb)	Yes (Soil: 1,1,2-TCA = 0.0024, c-1,2-DCE = 0.0075 ppm, TCE = 0.0027 ppm), (1st GW: 1,1-DCE = 0.4 ppb, c-1,2-DCE = 43.4 ppb, t-1,2-DCE = 1.2 ppb, PCE = 1.4 ppb, TCE = 82 ppb, VC = 21.8 ppb; 2nd GW: c-1,2-DCE = 12 ppb, t-1,2-DCE = 0.8 ppb, TCE = 2.6 ppb, VC = 5.1 ppb)	0 ppm in soil, 0 ppm in well
TB-N (SE of UST/located in TP-3)	2016	TCL/TAL (6-8.5')	No	Below ISCO in soil (MEK = 0.0028 ppm, carbon disulfide = 0.0029 ppm, sec-butylbenzene = 0.126 ppm, tert-butylbenzene = 0.0511 ppm)	Yes (c-1,2-DCE = 0.0469 ppm, t-1,2-DCE = 0.0024 ppm, TCE = 1.7 ppm, VC = 0.0104 ppm)	54.2 ppm at 11.6 ft.
TB-W (NW of UST)	2016	TCL (0-4')	No	Yes, below ISCO	Yes, below ISCO	29.0 ppm at 4.5 ft.
TB-X (NW of UST)	2016	NT	No (terminated at 0.8')	NT	NT	0
TB-Y (NW of UST)	2016	NT	No (terminated at 0.8')	NT	NT	0
TB-Z (NW of UST)	2016	NT	No (terminated at 0.8')	NT	NT	0

NA = Not Applicable
NT = Not Tested
TPH = Total Petroleum Hydrocarbons
TCL = Target Compound List
TAL = Target Analyte List
VOCs = Volatile Organic Compounds
CVOCs = Chlorinated VOCs
ISCO = Industrial Soil Cleanup Objectives
PCBs = Polychlorinated Biphenyls

c-1,2-DCE = cis-1,2-dichloroethylene
t-1,2-DCE = trans-1,2-dichloroethylene
PCE = tetrachloroethylene
TCE = trichloroethylene
VC = vinyl chloride

Questionnaire

The following interview was completed on 6/26/2019 between Heather McLennan (HM, interviewer, DAY Environmental, Inc.) and Francis McAlpin (FM, interviewee, formerly associated with the site).

HM: A 10,000-gallon underground storage tank (UST) is located in the north courtyard in an east-west orientation. What was the purpose of the tank and what product was stored in the tank?
FM: In the 1970s McAlpin Industries used natural gas provided by RG&E. Due to a natural gas shortage, RG&E required installation of tanks containing heating oil. The tank was installed for this purpose.

HM: When was the tank installed?
FM: 1970s

HM: Do you know the name of the contractor who installed the tank?
FM: Unknown

HM: Who supplied the product stored in the tank?
FM: Unknown

HM: Approximately how much product was used per year?
FM: None, the product was not used

HM: When did use of the product cease, and was the remaining product removed from the tank at that time?
FM: German Tool & Die was located at 245-265 Hollenbeck Street (currently owned by OBI, LLC). German Tool & Die used heating oil for heating the building. The product was sold to German Tool & Die in the 1970s, after the gas crisis. Exact date is unknown.

HM: Do you know the name of the contractor who removed product from the tank?
FM: Unknown

HM: Why was the tank not removed?
FM: Unknown

HM: Was the tank ever tightness tested? If so, is documentation of the tank testing results available?
FM: Yes, the tank was tightness tested. No documentation is available.

Legend

N

- Surface Soil, Previous Sampling Study
- Test pits from previous sampling study
- Test borings from previous sampling study
- Geoprobe test boring
- Geoprobe test boring completed as an overburden monitoring well
- Surface Soil samples - Exposure Assessment
- Surface Soil sample location - Historic Fill Evaluation
- Existing monitoring well
- Existing bedrock well
- 2016 bedrock monitoring well
- 2016 overburden monitoring well
- Electric line
- Approximate UST location
- 30ft Buffer of UST
- Site boundary

NOTES:

Site plan produced from a map of a survey by Deluck - O'Neil, P.C., entitled "Map of a survey of part of the 1,000 acre tract, City of Rochester, Monroe County, New York", dated December 2, 1997 and from a drawing by: Mcalpin Industries, entitled "Facilities Layout", dated April 1, 1985, and from site observations made by representatives of Day Environmental, Inc.

0 10 20 40 Feet

DESIGNED BY	RLK
DRAWN BY	CPS/HMM
SCALE	AS NOTED
DATE	07-2019
DATE DRAWN	07-2019
DATE ISSUED	07-09-2019

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
OBI, LLC SITE
245 - 265 AND 271 HOLLENBECK ST,
AND 50 BALFOUR DR
ROCHESTER, NEW YORK

Drawing Title
UST Site Plan

Project No.
5211S-16

FIGURE A

Last Date Saved: 09 Jul 2019 Document Path: E:\GIS Mapping\Mcalpin\5211S-16\Dsk\R\5211S-23-UST Area.mxd

APPENDIX O

Alternatives Analysis Tables

Table FS-1 Comparison of Remedial Alternatives

Table FS-2 Alternative #1: Opinion of Probable Cost – No Further Action

Table FS-3 Alternative #2: Opinion of Probable Cost – IRM Pump and Treat/Bioremediation

Table FS-4 Alternative #3: Opinion of Probable Cost – Excavation/Site Wide Chemical Oxidation/Bedrock Groundwater Pump and Treat

Appendix O
Table FS-1
Comparison of Remedial Alternatives
RI/FS Report

245-265 Hollenbeck Street, 271 Hollenbeck Street and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Remediation Criteria	**Remedial Alternative #1 SS1/S1/OBGW1/BRGW1/N1/SVI**	**Remedial Alternative #2 SS2/S2/OBGW2/BRGW2/N2/SV2**	**Remedial Alternative #3 SS3/S2/OBGW3/BRGW3/N3/SV2**	**Remedial Alternative #4 SS4/S3/OBGW4/BRGW4**
Protection of Human Health and Environment	No	Yes	Yes	Yes
Compliance with SCGs	No	Soil and overburden groundwater would not meet all SCGs in all locations. Bedrock groundwater would be monitored. The primary plume area would be contained	Soil and overburden groundwater would not meet all SCGs in all areas. Primary plume area and secondary source areas would be contained. Bedrock groundwater would be monitored. Contingency Site Perimeter Groundwater Controls would be installed if warranted	Soil and overburden groundwater would meet SCGs. Bedrock groundwater would be contained and monitored.
Long-Term Effectiveness and Permanence	Low	Moderate	High	High
Reduction of Toxicity, Mobility and Volume	Low	Moderate	Moderate	High
Short-Term Impacts and Effectiveness	Impacts - Low Effectiveness - Low	Impacts -Moderate Effectiveness - Moderate	Impacts -Moderate Effectiveness - Moderate/High	Impacts - High Effectiveness - High
Implementability	Easy	Moderate	Moderate	Difficult
Green Remediation and Sustainability	Poor	Moderate	Moderate	Poor
Acceptable for Planned Future Land Use	No	Yes	Yes	Yes
Total Present Worth Cost	SS1= $0.00 S1 = $0.00 OBGW1 = $0.00 BGRW1 = $0.00 N1= $0.00 SV1 $0.00 **Total = $0.00** GW contingency = $0.00 BRGW Contingency = $0.00	SS2= $10,000.00 S2 = $180,836.15 OBGW2 = $669,259.54 BGRW2 = $144,883.06 N2= $5,000.00 SV2 $73,466.05 **Total = $1,083,444.80** GW contingency = $0.00 BRGW Contingency = $0.00	SS3= $20,000.00 S2= $180,836.15 OBGW3 = $716,126.94 BGRW3 = $144,883.06 N3= $10,000.00 SV2 $73,466.05 **Total = $1,145,312.20** OBGW contingency = $309,839.04 BRGW Contingency = $202,633.92	SS4= $3,860,713.00 S3 = $7,721,426.00 OBGW4 = $8,148,016.26 BGRW4 = $8,577,251.63 N3= $10,000.00 SV1 $0.00 **Total = $28,317,406.89** GW contingency = $0.00 BRGW Contingency = $0.00

Appendix O
Table FS-2
Alternative #1: Opinion of Probable Cost - No Further Action

RI/FS Report
245-265 Hollenbeck Street, 271 Hollenbeck Street and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

This alternative assumes no further action will be taken at a cost of $0.00

Appendix O
Table FS-3
Alternative #2: Opinion of Probable Cost - Groundwater Extraction / Bioremediation

RI/FS Report
245-265 Hollenbeck Street, 271 Hollenbeck Street and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Capital/Initial Costs			
Year 1: Groundwater Containment, UST Decommissioning, NAPL Containment, Engineering Controls			
	Work Plan, HASP, QAPP, CPP	$	24,000.00
	Extraction Well Installation (3 overburden/Top of Rock wells 15 ft. deep and 6" dia)	$	24,000.00
	Pump Test (one 6-inch well evaluated)	$	5,000.00
	Water Treatment System (activated carbon and pumping equipment and storage building)	$	48,000.00
	Remediation Derived Waste (soil cuttings, pump test water, etc.)	$	10,000.00
	UST In Place Closure	$	18,000.00
	UST Closure Report	$	4,000.00
	NAPL Containment	$	5,000.00
	Engineering Control- fencing	$	10,000.00
	Report	$	15,000.00
	20% Contingency	$	33,000.00
	Year 1 Total	**$**	**196,000.00**
Year 3: In-Situ Bioremediation			
	Environmental Easement	$	12,000.00
	Site Management Plan	$	8,000.00
	Remediation Work Plan, HASP, QAPP, CPP	$	23,000.00
	Bioremediation Treatability Study	$	20,000.00
	In-Situ Bioremediation (3 injection events 100%/50%/33%)		
	EOS Pro	$	72,000.00
	BAC-9	$	21,000.00
	Injection crew, materials and DAY oversight	$	100,000.00
	Report	$	25,000.00
	20% Contingency	$	56,000.00
	Year 3 Total	**$**	**337,000.00**

Operation/Maintenance/Annual Costs			
	Year 1 Quarterly Groundwater Monitoring ($46,492/yr. * 1yr)	$	46,000.00
	Year 2-4 Semi-Annual Groundwater Monitoring ($23,246/yr. * 3yrs)	$	70,000.00
	Years 5-29 Annual Groundwater Monitoring ($8,892/yr. *25 yrs.)	$	222,000.00
	Year 30 Groundwater Monitoring	$	17,000.00
	Years 4-10 Dehalocccocides Testing ($5,646/yr. * 7 yrs.)	$	40,000.00
	Years 1-10 Water Treatment System Carbon and Misc. ($7,500/yr. * 10 yrs.)	$	75,000.00
	Year 1 Air Monitoring	$	9,000.00
	Years 2-10 Air Monitoring ($7,810/yr. * 9 yrs.)	$	70,000.00
	Years 1-10 POTW Charges [(10 GPM at $1.50/1000 gallons) = $7,884/yr. *10 yrs.]	$	79,000.00
	Years 1-10 Discharge Sampling ($1,025/Quarter * 4 Quarters/yr. *10 years)	$	41,000.00
	Years 5-30 Periodic Review Reports ($2,538/yr. *26 yrs.)	$	66,000.00
	20% Contingency	$	147,000.00
	Total Operation/Maintenance/Annual Costs	**$**	**882,000.00**

Closeout Costs			
	Final Engineering Report	$	25,000.00
	20% Contingency	$	5,000.00
	Total Closeout Costs	**$**	**30,000.00**
Estimated Total Project Cost		**$**	**1,445,000.00**

Appendix O
Table FS-3
Alternative #2: Opinion of Probable Cost - Groundwater Extraction / Bioremediation

RI/FS Report
245-265 Hollenbeck Street, 271 Hollenbeck Street and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Present Worth Costs			
	Capital/Initial Costs - Groundwater Extraction	$	196,000.00
	Capital/Initial Costs - Bioremediation (F=0.8638)	$	291,100.60
	Year 1 Groundwater Monitoring (0.9524)	$	52,572.48
	Year 2-4 Groundwater Monitoring (3.5460-0.9524)	$	72,620.80
	Years 5-29 Groundwater Monitoring (F =15.1411-3.5460)	$	123,557.39
	Year 30 Groundwater Monitoring (F= 0.2314)	$	4,720.56
	Years 4-10 Dehalococcoides Testing (F = 7.7217-2.723)	$	34,276.80
	Years 1-10 Water Treatment System Carbon and Misc. (F=7.7217)	$	69,495.30
	Year 1 Air Monitoring (F=0.9524)	$	10,285.92
	Years 2-10 Air Monitoring (F=7.7217-0.9524)	$	63,180.13
	POTW Charges (F=7.7217)	$	73,201.72
	Discharge Sampling (F=7.7217)	$	37,990.76
	Periodic Review Reports (F=15.3725-3.5460)	$	36,025.34
	Closeout Costs (F=0.6139)	$	18,417.00
	Total Present Worth Costs	**$**	**1,083,444.80**

Notes

- F = Discount Factor of 5% at the nth year of project.
- Up to three pumping wells will extract groundwater; well depth will be between 12 and 15 feet deep; 6-inch diameter with 10 foot screen; PVC construction.
- Quantity of bioremediation amendments based on RI findings and should be refined (i.e., treatability study) before implementation.
- Water Treatment system consists of 2 activated carbon filters in series with a capacity of 100 pounds and associated ancillary equipment (i.e., pumps, fittings etc.)housed in a separate building/room than the facility operations area.
- Prevailing wage rates do not apply.

Appendix O
Table FS-3
Alternative #2: Opinion of Probable Cost - Groundwater Extraction / Bioremediation

RI/FS Report
245-265 Hollenbeck Street, 271 Hollenbeck Street and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

S2	1/2 In-Situ Bioremediation	$	145,550.30
	1/2 Dehalococcoides Testing	$	17,138.40
	1/3 Periodic Review Reports	$	12,008.45
	1/3 Closeout Costs	$	6,139.00
	Total	$	180,836.15

OBGW2			
	1/2 In-Situ Bioremediation	$	145,550.30
	Groundwater Extraction and Treatment	$	181,000.00
	1/2 Year 1 Groundwater Monitoring	$	26,286.24
	1/2 Year 2-4 Groundwater Monitoring (Cumulative Annual Costs)	$	36,310.40
	1/2 Years 5-29 Groundwater Monitoring (Cumulative Annual Costs)	$	61,778.69
	1/2 Year 30 Groundwater Monitoring (F= 0.6139)	$	2,360.28
	1/2 Dehalococcoides Testing	$	17,138.40
	Years 1-10 Water Treatment System Carbon and Misc. (F=7.7217)	$	69,495.30
	POTW Charges (F=7.7217)	$	73,201.72
	Discharge Sampling (F=7.7217)	$	37,990.76
	1/3 Periodic Review Reports	$	12,008.45
	1/3 Closeout Costs	$	6,139.00
	Total	$	669,259.54

BRGW2	1/2 Year 1 Groundwater Monitoring	$	26,286.24
	1/2 Year 2-4 Groundwater Monitoring (Cumulative Annual Costs)	$	36,310.40
	1/2 Years 5-29 Groundwater Monitoring (Cumulative Annual Costs)	$	61,778.69
	1/2 Year 30 Groundwater Monitoring (F= 0.6139)	$	2,360.28
	1/3 Periodic Review Reports	$	12,008.45
	1/3 Closeout Costs	$	6,139.00
	Total	$	144,883.06

N2		$	5,000.00

SS2		$	10,000.00

SV2		$	73,466.05

Appendix O
Table FS-4
Alternative #3: Opinion of Probable Cost - Groundwater Containment / Bioremediation

RI/FS Report
245-265 Hollenbeck Street, 271 Hollenbeck Street and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Capital/Initial Costs			
Year 1: Groundwater Containment, NAPL Extraction, UST Decommissioning, Engineering Controls			
	Work Plan, HASP, QAPP, CPP	$	24,000.00
	Extraction Well Installation (4 overburden/Top of Rock wells 15 ft. deep and 6" dia)	$	32,000.00
	Pump Test (one 6-inch well evaluated)	$	5,000.00
	Water Treatment System (activated carbon and pumping equipment and separate building)	$	60,000.00
	NAPL Extraction and Disposal	$	10,000.00
	Remediation Derived Waste (soil cuttings, pump test water, etc.)	$	10,000.00
	UST In Place Closure	$	18,000.00
	UST Closure Report	$	4,000.00
	Engineering Control - fencing	$	20,000.00
	Report	$	15,000.00
	20% Contingency	$	40,000.00
	Year 1 Total	**$**	**238,000.00**
Year 3: In-Situ Bioremediation			
	Environmental Easement	$	12,000.00
	Site Management Plan	$	8,000.00
	Remediation Work Plan, HASP, QAPP, CPP	$	23,000.00
	Bioremediation Treatability Study	$	20,000.00
	In-Situ Bioremediation (3 injection events 100%/50%/33%)		
	EOS Pro	$	79,000.00
	BAC-9	$	23,000.00
	Injection crew, materials and DAY oversight	$	110,000.00
	Report	$	25,000.00
	20% Contingency	$	60,000.00
	Year 3 Total	**$**	**360,000.00**

Operation/Maintenance/Annual Costs			
	Year 1 Quarterly Groundwater Monitoring ($46,492/yr. * 1yr)	$	46,000.00
	Year 2-4 Semi-Annual Groundwater Monitoring ($23,246/yr. * 3yrs)	$	70,000.00
	Years 5-29 Annual Groundwater Monitoring ($8,892/yr. * 25 yrs.)	$	222,000.00
	Year 30 Groundwater Monitoring	$	17,000.00
	Years 4-10 Dehalocccocides Testing ($5,646/yr. * 7 yrs.)	$	40,000.00
	Years 1-10 Water Treatment System Carbon and Misc. ($7,500/yr. * 10 yrs.)	$	75,000.00
	Year 1 Air Monitoring	$	9,000.00
	Years 2-10 Air Monitoring ($7,810/yr. * 9 yrs.)	$	70,000.00
	Years 1-10 POTW Charges [(10 GPM at $1.50/1000 gallons) = $7,884/yr. *10 yrs.]	$	79,000.00
	Years 1-10 Discharge Sampling ($1,025/Quarter * 4 Quarters/yr. *10 years)	$	41,000.00
	Years 5-30 Periodic Review Reports ($2,538/yr. * 26 yrs.)	$	66,000.00
	20% Contingency	$	147,000.00
	Total Operation/Maintenance/Annual Costs	**$**	**882,000.00**

Closeout Costs			
	Final Engineering Report	$	25,000.00
	20% Contingency	$	5,000.00
	Total Closeout Costs	**$**	**30,000.00**
Estimated Total Project Cost		**$**	**1,510,000.00**

Appendix O
Table FS-4
Alternative #3: Opinion of Probable Cost - Groundwater Containment / Bioremediation

RI/FS Report
245-265 Hollenbeck Street, 271 Hollenbeck Street and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Present Worth Costs			
	Capital/Initial Costs - Groundwater Extraction	$	238,000.00
	Capital/Initial Costs - Bioremediation (F=0.8638)	$	310,968.00
	Year 1 Groundwater Monitoring (0.9524)	$	52,572.48
	Year 2-4 Groundwater Monitoring (3.5460-0.9524)	$	72,620.80
	Years 5-29 Groundwater Monitoring (F =15.1411-3.5460)	$	123,557.39
	Year 30 Groundwater Monitoring (F= 0.2314)	$	4,720.56
	Years 4-10 Dehalococcoides Testing (F = 7.7217-2.723)	$	34,276.80
	Years 1-10 Water Treatment System Carbon and Misc. (F=7.7217)	$	69,495.30
	Year 1 Air Monitoring (F=0.9524)	$	10,285.92
	Years 2-10 Air Monitoring (F=7.7217-0.9524)	$	63,180.13
	POTW Charges (F=7.7217)	$	73,201.72
	Discharge Sampling (F=7.7217)	$	37,990.76
	Periodic Review Reports (F=15.3725-3.5460)	$	36,025.34
	Closeout Costs (F=0.6139)	$	18,417.00
	Total Present Worth Costs	**$**	**1,145,312.20**

Year 8: Contingency Site Perimeter Groundwater Controls			
	Work Plan, HASP, QAPP, CPP	$	18,000.00
	Design Study	$	16,000.00
	Overburden Liquid Activated Carbon Permeable Reactive Barrier		
	Electron Donor, Microbes, Plume Stop Materials	$	160,000.00
	Injection Crew	$	135,000.00
	DAY oversight	$	62,000.00
	Bedrock Liquid Activated Carbon Permeable Reactive Barrier		
	Electron Donor, Microbes, Plume Stop Materials	$	60,000.00
	Injection Wells and Crew	$	126,000.00
	DAY oversight	$	39,000.00
	Report	$	15,000.00
	20% Contingency	$	126,200.00
	Year 8 Total	**$**	**757,200.00**

Present Worth Cost of Contingency Groundwater Controls (F = 0.6768)	$	512,472.96
Total Present Worth Costs with Contingency Groundwater Controls	**$**	**1,657,785.16**

Notes

- F = Discount Factor of 5% at the nth year of project.
- Up to four pumping wells will extract groundwater; well depth will be between 12 and 15 feet deep; 6-inch diameter with 10 foot screen; PVC construction.
- Quantity of bioremediation amendments based on RI findings and should be refined (i.e., treatability study) before implementation.
- Water Treatment system consists of 3 activated carbon filters in series with a capacity of 100 pounds and associated ancillary equipment (i.e., pumps, fittings etc.) housed in a separate building/room from the facility operations.
- Prevailing wage rates do not apply.
- Contingency Site Perimeter Overburden Groundwater control assumed to be a liquid activated carbon and emulsified vegetable oil permeable reactive barrier, 240 long, 5 ft. wide throughout the saturated zone (i.e., approximately 8 to 12 ft. bgs).
- Contingency Site Perimeter Bedrock Groundwater control assumed to be a liquid activated carbon and emulsified vegetable oil permeable reactive barrier, 120 long, 5 ft. wide approximately 10 feet below top of bedrock (i.e., approximately 15 to 25 ft. bgs).

Appendix O
Table FS-4
Alternative #3: Opinion of Probable Cost - Groundwater Containment / Bioremediation

RI/FS Report
245-265 Hollenbeck Street, 271 Hollenbeck Street and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

	~1/2 In-Situ Bioremediation	$	145,550.30
	1/2 Dehalococcoides Testing	$	17,138.40
S3	1/3 Periodic Review Reports	$	12,008.45
	1/3 Closeout Costs	$	6,139.00
	Total	$	180,836.15

	~1/2 In-Situ Bioremediation	$	165,417.70
	GW extraction and treatment	$	208,000.00
	1/2 Year 1 Groundwater Monitoring	$	26,286.24
	1/2 Year 2-4 Groundwater Monitoring (Cumulative Annual Costs)	$	36,310.40
	1/2 Years 5-29 Groundwater Monitoring (Cumulative Annual Costs)	$	61,778.69
OBGW3	1/2 Year 30 Groundwater Monitoring (F= 0.6139)	$	2,360.28
	1/2 Dehalococcoides Testing	$	17,138.40
	Years 1-10 Water Treatment System Carbon and Misc. (F=7.7217)	$	69,495.30
	POTW Charges (F=7.7217)	$	73,201.72
	Discharge Sampling (F=7.7217)	$	37,990.76
	1/3 Periodic Review Reports	$	12,008.45
	1/3 Closeout Costs	$	6,139.00
	Total	$	716,126.94

	1/2 Year 1 Groundwater Monitoring	$	26,286.24
	1/2 Year 2-4 Groundwater Monitoring (Cumulative Annual Costs)	$	36,310.40
	1/2 Years 5-29 Groundwater Monitoring (Cumulative Annual Costs)	$	61,778.69
BRGW3	1/2 Year 30 Groundwater Monitoring (F= 0.6139)	$	2,360.28
	1/3 Periodic Review Reports	$	12,008.45
	1/3 Closeout Costs	$	6,139.00
	Total	$	144,883.06

SS3		$	20,000.00

N3		$	10,000.00

SV2		$	73,466.05

	1/2 Work Plan, HASP, QAPP, CPP	$	9,000.00
OBGW3	1/2 Design Study	$	8,000.00
Contingency	1/2 Report	$	7,500.00
	Overburden PRB	$	357,000.00
	Contingency	$	76,300.00
	Present Worth Total	$	309,839.04

	1/2 Work Plan, HASP, QAPP, CPP	$	9,000.00
BRGW3	1/2 Design Study	$	8,000.00
Contingency	1/2 Report	$	7,500.00
	Overburden PRB	$	225,000.00
	Contingency	$	49,900.00
	Present Worth Total	$	202,633.92

Appendix O
Table FS-5
Alternative #4: Opinion of Probable Cost - Excavation/Chemical Oxidation/Bedrock Groundwater Extraction

RI/FS Report
245-265 Hollenbeck Street, 271 Hollenbeck Street and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Capital/Initial Costs		
Building Demolition ($7.50/ft^2 + Mob/Demob)	$	1,044,000.00
Work Plan, HASP, QAPP, CPP	$	31,000.00
Bedrock Pump Test (one 6-inch well evaluated)	$	10,000.00
Bedrock Well Field (55 Wells, 6-inch dia, 40 feet deep to contain ~1,800,000 gallons)	$	392,000.00
Groundwater Treatment System (30 GPM, micron filtration and Activated Carbon)	$	251,000.00
NAPL Extraction and Disposal	$	10,000.00
Fill Excavation and Disposal (Excavation, Non-Haz Transport and Disposal and Backfill)	$	2,678,000.00
Soil Removal Below Fill Layer (Excavation, Transport and Disposal of ~18,500,000 ft^3)		
Non-Hazardous Material used as cover at landfill (94% of total volume)	$	1,400,000.00
Non-Hazardous Material requiring burial at landfill (5% of total volume)	$	102,000.00
Characteristic Hazardous Material (1% of total Volume)	$	42,000.00
Oversight Costs (Crew and Equipment)	$	146,000.00
Chemical Oxidation Treatability Study (PNOD samples and Work Plan)	$	8,000.00
In-Situ Remediation (3 injection events 100%/50%/33% to treat ~1,750,000 gallons of groundwater)		
Potassium Permanganate (253,256 cumulative pounds for three events)	$	570,000.00
Injection Rig and Crew and Oversight	$	329,000.00
Building Construction ($115/ft^2)	$	15,893,000.00
UST Closure by Removal	$	16,000.00
UST Soil Characterization Study	$	5,000.00
UST Closure Report	$	4,000.00
20% Contingency	$	4,581,000.00
Capital/Initial Costs Total	**$**	**27,512,000.00**
Operation/Maintenance/Annual Costs		
Year 1-2 Quarterly Groundwater Monitoring (Cumulative Annual Costs)	$	93,000.00
Years 3-9 Semi-Annual Groundwater Monitoring (Cumulative Annual Costs)	$	104,000.00
Year 10 Groundwater Monitoring	$	10,000.00
Years 1-10 Water Treatment System Carbon and Misc. (Cumulative Annual Costs)	$	100,000.00
POTW Charges [(60 GPM at $1.50/1000 gallons) Cumulative Annual Costs]	$	473,000.00
Discharge Sampling [Cumulative Annual Costs (Quarterly sampling; 3 VOC samples)]	$	41,000.00
Years 5-10 Periodic Review Reports ($2,693/yr. * 6 yrs.)	$	16,000.00
20% Contingency	$	167,000.00
Total Operation/Maintenance/Annual Costs	**$**	**1,004,000.00**
Closeout Costs		
Final Engineering Report	$	25,000.00
20% Contingency	$	5,000.00
Total Closeout Costs	**$**	**30,000.00**
Estimated Total Project Cost	**$**	**28,546,000.00**

Present Worth Costs		
Capital/Initial Costs	$	27,512,000.00
Year 1-2 Groundwater Monitoring (F=1.8594)	$	103,754.52
Years 3-9 Groundwater Monitoring (F = 7.1078-1.8594)	$	93,571.47
Year 10 Groundwater Monitoring (F= 0.6139)	$	7,366.80
Years 1-10 Water Treatment System Carbon and Misc. (F=7.7217)	$	92,660.40
POTW Charges (F=7.7217)	$	438,283.69
Discharge Sampling (F=7.7217)	$	37,990.76
Periodic Review Reports (F=7.7217-3.546)	$	13,362.24
Closeout Costs (F=0.6139)	$	18,417.00
Total Present Worth Costs	**$**	**28,317,406.89**

Notes

- F = Discount Factor of 5% at the nth year of project.
- Up to 55 bedrock pumping wells will extract groundwater; well depth will be ~40 feet deep; 6-inch diameter with open bedrock core; steel construction.
- Quantity of bioremediation amendments based on RI findings and should be refined (i.e., treatability study) before implementation.
- Water Treatment system consists of 6 activated carbon filters in three sets of 2 filters in series with a capacity of 100 pounds and associated ancillary equipment (i.e., pumps, fittings etc.).
- Prevailing wage rates do not apply.

Appendix O
Table FS-5
Alternative #4: Opinion of Probable Cost - Excavation/Chemical Oxidation/Bedrock Groundwater Extraction

RI/FS Report
245-265 Hollenbeck Street, 271 Hollenbeck Street and 50 Balfour Drive
Rochester, New York
NYSDEC Site No. 828188

Present Worth Costs

S3	1/3 Building Demolition ($7.50/ft2 + Mob/Demob)	$	348,000.00
	1/3 Work Plan, HASP, QAPP, CPP	$	10,333.33
	Fill Excavation and Disposal (Excavation, Non-Hazardous Transport and Disposal and Backfill)	$	2,678,000.00
	Soil Removal for areas with exceedances below fill layer (Excavation, Transport and Disposal)		
	Non-hazardous Cover Material (94% of total volume)	$	1,400,000.00
	Non-Hazardous buried Material (5% of total volume)	$	102,000.00
	Characteristic Hazardous Material (1% of total Volume)	$	42,000.00
	Oversight Costs	$	146,000.00
	1/3 Building Construction ($115/ft2)	$	5,297,666.67
	1/3 Capital Contingency	$	1,527,000.00
	UST Closure by Removal	$	16,000.00
	UST Soil Characterization Study	$	5,000.00
	UST Closure Report	$	4,000.00
	1/3 Closeout Costs	$	6,139.00
	Total	$	7,721,426.00

OBGW4			
	1/3 Building Demolition ($7.50/ft2 + Mob/Demob)	$	348,000.00
	1/3 Work Plan, HASP, QAPP, CPP	$	10,333.33
	Chemical Oxidation Treatability Study	$	8,000.00
	In-Situ Remediation (3 injection events 100%/50%/33%)		
	Potassium Permanganate	$	570,000.00
	Injection Rig and Crew and Oversight	$	329,000.00
	1/3 Building Construction ($115/ft2)	$	5,297,666.67
	1/3 Capital Contingency	$	1,527,000.00
	1/3 Closeout Costs	$	6,139.00
	1/2 Groundwater Monitoring Years 1-2	$	51,877.26
	Total	$	8,148,016.26

BRGW4			
	1/3 Building Demolition ($7.50/ft2 + Mob/Demob)	$	348,000.00
	1/3 Work Plan, HASP, QAPP, CPP	$	10,333.33
	Bedrock Pump Test (one 6-inch well evaluated)	$	10,000.00
	Bedrock Pump-and-Treat Well Field Installation	$	392,000.00
	Groundwater Treatment System	$	251,000.00
	1/3 Building Construction ($115/ft2)	$	5,297,666.67
	1/3 Capital Contingency	$	1,527,000.00
	1/3 Closeout Costs	$	6,139.00
	1/2 Groundwater Monitoring Years 1-2	$	51,877.26
	Years 3-9 Groundwater Monitoring (F = 7.1078-2.7232)	$	93,571.47
	Year 10 Groundwater Monitoring (F= 0.6139)	$	7,366.80
	Years 1-10 Water Treatment System Carbon and Misc. (F=7.7217)	$	92,660.40
	POTW Charges (F=7.7217)	$	438,283.69
	Discharge Sampling (F=7.7217)	$	37,990.76
	Periodic Review Reports	$	13,362.24
	Total	$	8,577,251.63

SS4		$	3,860,713.00

N3		$	10,000.00

SV1		$	-