PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

121 - 123 REYNOLDS STREET
ROCHESTER, NEW YORK

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1.0 INTRODUCTION

On behalf of the City of Rochester (City), Day Environmental, Inc. (DAY) prepared this report to summarize the findings of a Phase II Environmental Site Assessment (Phase II ESA) conducted at 121 - 123 Reynolds, Rochester, New York (Site). The general location of the Site is shown on the Project Locus Map included as Figure 1.

1.1 Background

The Site was formerly two separate parcels. At the time the City acquired the Site, a single family house was located on the southern portion of the Site, and the northern portion of the Site was vacant. Subsequent to the City acquiring the parcels via foreclosure, the parcels were combined into its current single approximate 0.2-acre parcel. The Site is currently vacant land, and future residential development is being considered by the City.

In June 2011, petroleum-type contaminated soil was encountered during excavation of the basement foundation of a new residential house on the adjoining 125 Reynolds Street Parcel located south of the Site. As a result, environmental conditions were evaluated by others on the adjoining 125 Reynolds Street property via field screening and analytical laboratory testing at select test pit and soil sample locations (refer to Figure 2). As a result of this work, it was reported that a sub-slab depressurization system (SSDS) was installed on the new residential house on the adjoining 125 Reynolds Street parcel. Historical information showed that the northern portion of the Site was formerly used as a gasoline station, an auto repair facility with a paint spraying" operation, and earlier as a wagon repairing and printing operation. On behalf of the City, DAY was retained in 2011 to perform investigative work and remedial actions at the Site. The investigative work included an EM-61 geophysical survey, and field screening and analytical laboratory testing of select samples from nine test pits (designated as TP-1 through TP-9) excavated at magnetic anomalies and other areas of interest across the Site and in the public right-of-way (ROW) of Tremont Street (refer to Figure 2). A Data Package report dated December 21, 2011 (DAY File #4576S-11) summarized the following conditions and remedial actions associated with the Site:

1. Contamination (primarily petroleum-related) was documented at the Site that appeared attributable to past uses of the Site (refer to Figure 2). The New York State Department of Environmental Conservation (NYSDEC) was notified and assigned NYSDEC Spill #1103833 to the Site. In addition, urban fill material was encountered above indigenous soils at each of the nine test pit locations excavated on the Site. A sample of the fill material from test pit TP-5 on the northern portion of the Site (in the area of the former gasoline station and auto repair facility with former "paint spraying" operation) contained the metal Lead and SVOCs at concentrations exceeding regulatory criteria.

2. Four underground storage tanks (USTs) encountered during the limited investigation were decommissioned by removal in accordance with applicable regulations (refer to Figure 2). Per 1938 and 1950 Sanborn maps and various City records, these USTs were former gasoline and kerosene tanks.

3. Two limited source area soil removals were conducted at the former UST locations (refer to Figure 2), and the removed soil was transported and disposed off-site at a regulated landfill facility in accordance with applicable regulations; however, the analytical laboratory results for post-excavation soil samples indicated that contamination beyond the limits of the excavation remained above regulatory criteria.

On behalf of the City, DAY completed a Phase I Environmental Site Assessment (Phase I ESA) in April 2015 (DAY File #5045E-15) under the City's Brownfield Assistance Program (BAP) that is funded by a Brownfields Grant from the United States Environmental Protection Agency (USEPA). The Phase I ESA identified the following recognized environmental condition (REC) at the Site:

- Active NYSDEC Spill Incident/Former Leaking USTs, and the presence of contaminants in urban fill on the Site.

1.2 Purpose

The purpose of this Phase II ESA was to conduct studies to further evaluate the REC identified in the Phase I ESA for the Site and to provide an opinion of the current status of the REC based upon the findings of the studies completed.

1.3 Limitations

The findings and conclusions presented in this report are based upon an evaluation of a limited number of samples collected during this study and DAY's interpretation of this data. Conditions between sample locations may vary and, as such, the findings and conclusions presented herein should be considered as a professional opinion. If additional data becomes available in the future, it may be necessary to re-evaluate the opinions expressed in this report.

2.0 FIELDWORK AND ANALYTICAL LABORATORY TESTING

The Phase II ESA was completed in general conformance with the scope presented in the document titled "Phase II Environmental Site Assessment Work Plan" dated September 2015. As part of this Phase II ESA, various tasks were performed on the Site and in the adjoining public ROWs of Tremont Street and Reynolds Street, including a limited subsurface study and analytical laboratory testing of selected soil, fill and groundwater samples. A Photo Log depicting Phase II ESA field activities is included as Appendix A. A City of Rochester ROW permit was obtained for the test borings completed in the ROWs (copy included in Appendix B). A Global Positioning System (GPS), tape measurements from existing Site structures, and/or survey equipment were used to mark out/measure test locations. The test location coordinates and pertinent Site feature information were input into a Geographic Information System (GIS) for presentation on figures in this report. These work items are further discussed below.

2.1 Subsurface Soil Evaluation

On September 24, 2015, sixteen test borings (designated as TB-01 through TB-16 on Figure 3 and Figure 4) were advanced to equipment refusal through overburden at locations on the Site and adjoining public ROWs using a direct-push drill-rig. Direct-Push equipment refusal occurred at depths ranging between 8.0 ft. below the ground surface (bgs) (TB-1) and 10.0 ft. bgs (TB-4). Between October 6, 2015 and October 7, 2015, four test borings (designated MW-1 through MW-4 on Figure 3, Figure 4 and Figure 5) were advanced through the overburden soils and up to 5.3 feet of bedrock on the Site using a rotary drill-rig. Test borings advanced within public right-of-ways (i.e., TB-1 through TB-4) were initially probed with an air spade to clear buried utilities.

DAY retained Nothnagle Drilling, Inc. (Nothnagle) to provide the drilling equipment and drill crews to advance the direct-push test borings and rotary-drilled test borings. At direct-push test boring locations, continuous soil samples were collected in four-foot intervals or less using a Geoprobe Macro-core sampling system. At rotary-drilled boring locations, continuous soil samples were collected in two-foot intervals or less using split spoon sampling equipment. The split spoons were advanced ahead of 4.25-inch inner diameter hollow stem augers. Once auger refusal was encountered, the hollow stem augers were removed, a temporary steel 6-inch inner diameter casing was installed to the top of bedrock, and HQ size rock coring equipment was used to advance the boring though the bedrock and collect bedrock core samples. The rotary-drilled borings were advanced into bedrock in preparation for installation of overburden/bedrock interface monitoring wells since the top of the groundwater table is at least seasonally within the bedrock (refer to Section 2.2). An on-site City representative logged subsurface conditions and screened soil samples with a photoionization detector (PID) at each test location. Pertinent information for each test boring is provided on the test boring logs that are included in Appendix C. Test borings not converted into groundwater monitoring wells were backfilled with cuttings.

As part of the evaluation of subsurface soil conditions at the Site, select samples from borings completed during this Phase II ESA were submitted to Chemtech Consulting Group, Inc. (Chemtech) for analytical laboratory testing. Chemtech is a New York State Department of health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified analytical laboratory (ELAP #11376). Sample selection and test parameters were based on field screening result, test locations and input from the City. Refer to Table 1 for the soil samples submitted for analytical laboratory testing and the requested parameters. As presented below, the following testing was conducted on soil samples:

- Sixteen samples from direct-push borings and three samples from monitoring well locations were tested for NYSDEC Spill Technology and Remediation Series (STARS)-

list/NYSDEC Commissioner's Policy 51 (CP-51)-list volatile organic compounds (VOCs) using USEPA Method 8260.

- Six samples from direct-push test borings were tested for NYSDEC STARS-list semi-volatile organic compounds (SVOCs) using USEPA Method 8270. Two of these were collected from depths of 0-4 feet bgs at test borings TB-8 and TB-11 and contained urban fill material that consisted primarily of reworked soils with trace to some cinders, ash and/or brick.
- Six samples from direct-push test borings were tested for USEPA Resource Conservation Recovery Act (RCRA) metals using USEPA Methods 6010 and 7471. Four of these were collected from depths of 0-4 feet bgs at test borings TB-7, TB-8, TB-11 and TB-15 and contained urban fill material that consisted primarily of reworked soils and occasionally a trace to some cinders, ash and/or brick.
- The two samples collected from depths of 0-4 feet bgs at test borings TB-7 and TB-8 were also tested for USEPA Toxicity Characteristic Leaching Procedure (TCLP) RCRA Metals using USEPA Methods 1311, 6010 and 7470 to evaluate whether soil/fill represented by these two samples could be considered characteristic hazardous waste based on metals content (primarily lead).

2.2 Subsurface Groundwater Evaluation

Nothnagle converted test borings MW-1 through MW-4 into two-inch diameter Schedule 40 polyvinyl chloride (PVC) groundwater monitoring wells with screened intervals beginning near the bottom of each test boring, straddling the overburden/bedrock interface, and intercepting the top of the groundwater table before connecting to a solid riser that terminated at the ground surface. The monitoring well locations are shown on Figure 3, Figure 4 and Figure 5.

Overburden/bedrock interface groundwater monitoring wells MW-1 through MW-4 each consist of ten foot long sections of 10-slot threaded PVC screen that were connected to solid PVC riser that terminated near the ground surface. The screened interval for each well was placed to intercept the uppermost groundwater-bearing zone based on observations of spilt-spoon soil samples. At each well, the annulus around, and at least 0.2 foot above, the screened interval was filled with a sand pack, and the remaining annulus was filled with cement/bentonite grout to near the ground surface. Monitoring wells MW-1 through MW-4 well were completed with a flush-mounted curb box set in a cement pad to match the existing ground surface. Construction details for each well are documented on the well construction diagrams included in Appendix C.

On October 15, 2015, overburden/bedrock interface groundwater monitoring wells MW-1 through MW-4 were developed in preparation for sampling. The well development was generally completed in accordance with the well development standard operating procedure included in Phase II ESA Work Plan. Well development included purging a volume of water from each well that exceeded the amount of drill water lost at each well during bedrock coring in addition to at least ten well casing volumes of water. Water quality measurements were collected periodically as the development work progressed at each monitoring well. Pertinent information obtained during the development is provided on well development logs included in Appendix D.

On October 23, 2015, an oil/water interface probe was used to measure the static water level and light non-aqueous phase liquid (LNAPL) (if present) thicknesses at groundwater monitoring wells MW-1 through MW-4. LNAPL was not detected at any of the well locations during this monitoring event. Subsequent to collecting the static water level measurements on October 23, 2015, groundwater purging (i.e., removal of approximately three well casing volumes of groundwater) was completed at groundwater monitoring wells MW-1 through MW-4 in accordance with the Phase II ESA Work Plan. The water table within the wells was allowed to recharge, and a groundwater sample was subsequently collected from each well (designated as samples 026-MW-1 through 029-MW-4 as shown on Table 1). Refer to Appendix D for copies of the Well Sampling logs. The groundwater samples were submitted to Chemtech, which analyzed the samples for USEPA Target Compound List (TCL) and NYSDEC CP-51 VOCs using USEPA Method 8260.

On October 15, 2015, a City survey crew measured the locations and top of casing elevations for groundwater monitoring wells MW-1 through MW-4. Table 2 presents the PVC well casing elevations, measured static water levels collected on October 23, 2015, and calculated groundwater elevations for each well.

2.3 Investigation-Derived Wastes

Soil cuttings were generated during the installation of the four groundwater monitoring wells. The soil cuttings were placed in two labeled 55-gallon open-head steel drums. A sample of soil cuttings [designated as sample 025-IDW1(soil)] was collected to assist in characterization of the material for disposal. Chemtech tested the sample for USEPA TCLP RCRA Metals using USEPA Methods 1311, 6010 and 7470, and for Ignitability using USEPA Method 1030. The analytical laboratory results are included in Appendix E, which indicated the sample was non-hazardous based on the characteristics of metals toxicity and ignitability. These results, and the results of other soil samples collected as part of the Phase II ESA, were used to profile the waste and obtain approval from the disposal facility. These drums were disposed off-site at Industrial Oil Tank Service Corporation in Oriskany, New York as a non-hazardous regulated solid waste (refer to disposal documentation in Appendix F).

Approximately 350 gallons of wastewater (i.e., equipment decontamination water, well development water, well sampling purge water) was generated during Phase II field activities. The wastewater was staged on-site in seven labeled 55-gallon open-head steel drums. A sample of the wastewater [designated as sample 030-IDW2(water)] was collected to assist in characterization of the material for disposal. Chemtech tested the sample for Purgeable Organic VOCs using USEPA Method 624 and SVOCs using USEPA Method 625. The analytical laboratory results are included in Appendix E. The wastewater was discharged to the public combined sewer system in Tremont Street under a Monroe County Pure Waters (MCPW) Specialty Short Term Discharge Permit (copy included in Appendix B)

3.0 FINDINGS

The findings of the Phase II ESA are presented in this section of the report.

3.1 Subsurface Soil Conditions

Subsurface soil conditions encountered, as well as peak PID readings measured, on the soil and fill material samples collected from the test borings are provided on the test boring logs included in Appendix C. The peak PID readings measured for each Phase II ESA test boring, and also previous test locations, are depicted on Figure 3.

In general, fill consisting of reworked soil (e.g., sand, silt, and gravel) was present at, or near, the ground surface to depths up to 6.0 ft. bgs at eight of the 16 direct push test locations and also at each of the four rotary drilled test borings. At seven of these locations, the fill material also contained a trace to a little brick, cinders, wood, coal and/or ash. Some dolomite rock fragments were encountered at test boring TB-14 and a three-inch seam of coal was observed in fill material at test boring MW-2. Indigenous soils at the twenty direct-push/rotary-drilled test borings primarily consisted of fine sand and silt with lesser amounts of gravel, and occasionally a trace of clay.

Peak PID readings measured at each of the twenty test boring locations are summarized below:

- A peak PID reading of 1.4 parts per million (ppm) was measured on a headspace sample collected approximately 8.0 ft. bgs at test boring TB-2. Test boring TB-2 was located in Reynolds Street ROW, near the intersection of the Tremont Street ROW and cross-gradient of the former UST soil removal area. This sample consisted of an indigenous silt soil, and no unusual odors or staining were noted on the sample.
- A peak PID reading of 1,435 ppm was measured on a composited headspace sample collected from the 4.0 to 8.0 ft. bgs interval at test boring TB-5, located on the eastern portion of the Site in proximity to the former UST soil removal areas. This sample consisted of an indigenous silt soil that exhibited a petroleum-type odor starting at approximately 6.0 ft. bgs.
- A peak PID reading of 249 ppm was measured on a composited headspace sample collected from the 8.0 to 9.7 ft. bgs interval at test boring TB-7, located in central portion of the Site in proximity to the former UST soil removal area. This sample consisted of an indigenous silt soil that exhibited a petroleum-type odor starting at approximately 8.0 ft. bgs.
- A peak PID reading 696 ppm was measured on a composited headspace sample collected from the 8.0 to 8.8 ft. bgs interval at test boring TB-12, located on the eastern portion of the Site, in the apparent down-gradient direction of the former UST soil removal area. This sample consisted of an indigenous silt soil that exhibited black staining and a petroleum-type odor starting at approximately 8.5 ft. bgs.
- A peak PID reading of 241 ppm was measured on a composited headspace sample collected from the 8.0 to 9.2 ft. bgs interval at test boring TB-13. Test boring TB-13 was located in southern central portion of the Site in the apparent down-gradient direction of the former soil removal area. This sample consisted of an indigenous silt soil that exhibited a petroleum-type odor starting at approximately 6.5 ft. bgs.

- A peak PID reading of 2,803 ppm was measured on a composited headspace sample collected from the 6.0 to 8.0 ft. bgs interval at test boring MW-1. Test boring MW-1 was located in eastern portion of the Site in proximity to, and in the apparent cross-gradient direction of, a former UST soil removal area. This sample consisted of an indigenous silt soil that exhibited black/gray staining and a petroleum-type odor starting at approximately 7.0 ft. bgs.
- A peak PID reading of 152 ppm was measured on a composited headspace sample collected from the 8.0 to 9.4 ft. bgs interval at test boring MW-2. Test boring MW-2 was located in central southern portion of the Site in the apparent down-gradient direction of the former UST soil removal area. This sample consisted of an indigenous silt soil that exhibited gray staining and a petroleum-type odor starting at approximately 8.0 ft. bgs.
- A peak PID reading of 1,659 ppm was measured on a composited headspace sample collected from the 8.0 to 8.8 ft. bgs interval at test boring MW-3. Test boring MW-3 was located in southeastern portion of the Site in the apparent down-gradient direction of the former UST soil removal area. This sample consisted of an indigenous silt soil that exhibited gray staining and a petroleum-type odor starting at approximately 7.9 ft. bgs.
- No unusual odors and peak PID readings of 0.0 ppm were documented on the Macro-core soil and fill samples at the 12 remaining test boring locations (i.e. TB-1, TB-3, TB-4, TB-6, TB-8 through TB-11, TB-14 through TB-16, and MW-4).

The peak PID readings measured on soil samples at the twenty Phase II ESA test borings and also previous test locations are shown on Figure 3. ArcGIS Spatial Analyst was used to model the PID reading gradient across the study area on the Site and adjoining public ROWs. As shown, a source area "hot spot" of highest PID readings is located on the northeast portion of the Site in proximity to the former UST locations (includes TP-1, TK1/2-EXC-N,S,E,W, TK3/4-EXC-N,S,E, TP-4, MW-1, and TB-5). Figure 3 also shows a plume of elevated PID readings then extends southward from the hot spot (plume includes test locations MW-2, TB-13, MW-3, TB-12, and TP-8).

3.1.1 Analytical Laboratory Test Results for Soil and Fill Samples

The laboratory reports for the soil and fill samples are included in Appendix E. The results are summarized on Table 3 through Table 7. Table 3 (VOCs and Naphthalene), Table 4 (SVOCs), and Table 5 (total metals) include a comparison to Residential Use Soil Cleanup Objectives (SCOs), Restricted Residential Use SCOs and Protection of Groundwater SCOs referenced in the NYSDEC document titled "6 NYCRR Part 375, Environmental Remediation Programs" dated December 14, 2006. Table 3 (VOCs and Naphthalene) and Table 4 (SVOCs) also include a comparison to available Soil Cleanup Levels (SCLs) referenced in the NYSDEC document titled "CP-51, Soil Cleanup Guidance" dated October 10, 2010. Table 6 (TCLP metals) includes a comparison to Characteristic Hazardous Waste Toxicity Regulatory Levels referenced in NYSDEC 6 NYCRR Part 371.3(e). The results and comparison to regulatory criteria referenced above are summarized below.

- VOCs and Naphthalene: As shown on Table 3, one or more VOCs were detected in seven of the nineteen soil/fill samples that were tested. Specific VOCs detected in at least one sample included: Benzene, Toluene, Ethylbenzene, mixed Xylenes (i.e., sum of m,p-Xylene and o-Xylene concentrations), Isopropylbenzene, n-Propylbenzene, 1,3,5-Trimethylbenzene, tert-Butylbenzene, 1,2,4-Trimethylbenzene, sec-Butylbenzene, p-Isopropyltoluene and n-Butylbenzene. Detected concentrations of these constituents ranged between 0.0019 and 49.2 milligram/kilogram (mg/kg) or ppm. The detected concentrations of five VOCs in sample 005-

TB-05(4-8'), three VOCs in sample 015-TB-12(8-8.8'), two VOCs in sample 017-TB-13(8-9.2') and three VOCs in sample 022-MW-2(8-9.4') exceeded one or more of their available Protection of Groundwater SCOs, Residential SCOs, and/or SCLs, but did not exceed their available Restricted Residential SCOs. The remaining 15 samples tested either did not contain VOCs, or contained VOCs at concentrations below their applicable SCOs and SCLs listed on Table 3.

Naphthalene was detected in five of the nineteen soil/fill samples that were tested. Detected concentrations of Naphthalene ranged between 0.0098 and 85.4 mg/kg or ppm. Naphthalene in sample 017-TB-13(8-9.2') and sample 022-MW-2(8-9.4') exceeded its available and applicable Protection of Groundwater SCO and/or SCL. The remaining 17 samples tested either did not contain Naphthalene, or contained Naphthalene at concentrations below its applicable SCO and SCL listed on Table 3.

The total VOC concentrations detected by analytical laboratory of soil samples at the twenty Phase II ESA test borings and also previous test locations are shown on Figure 4. Figure 4 shows which of these samples exceeded Part 375 Residential Use SCOs and/or CP-51 SCLs for petroleum-related VOCs. ArcGIS Spatial Analyst was used to model the total VOC in soil concentration gradient across the study area on the Site and adjoining public ROWs. Similar to that shown on Figure 3 for peak PID readings, Figure 4 shows a source area "hot spot" of highest total VOCs in soil on the northeast portion of the Site in proximity to the former UST locations (includes TP-1, TK1/2-EXC-N,S,E,W, TK3/4-EXC-N,S,E, TP-4, MW-1, and TB-5). Figure 4 also shows a plume of elevated total VOCs in soil that extends southward from the hot spot (plume includes test locations MW-2, TB-13, MW-3, TB-12, and TP-8).

- SVOCs: As shown on Table 4, SVOCs were detected in three of the six soil/fill samples that were tested. Specific SVOCs detected included: Acenaphthene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h) anthracene and Benzo(g,h,i)perylene. Detected concentrations of these constituents ranged between 0.0817 and 32.2 mg/kg or ppm. The detected concentrations of seven SVOCs in sample 009-TB-8(0-4') exceeded one or more of their available Residential Use SCOs, Restricted Residential Use SCOs, Protection of Groundwater SCOs and/or SCLs. The detected concentrations of SVOCs in samples 013-TB-11(0-4) and 016-TB-13(4-8) are below their applicable SCOs and/or SCLs listed on Table 4.
- Total Metals: As shown on Table 5, various metals were detected in each of the six soil/fill samples that were tested. Specific metals detected included: Arsenic; Barium; Cadmium; Chromium; Lead; Mercury; and Silver. The detected concentrations of Lead in samples 007-TB-7(0-4') and 009-TB-8(0-4') within the area of the former gasoline station and auto repair facility with former "paint spraying" operation exceeded two or more of its applicable Residential Use SCO, Restricted Residential Use SCO, and Protection of Groundwater SCO. The other detected concentrations of metals in the six samples tested did not exceed their applicable SCOs listed on Table 5
- RCRA Metals: Samples 007-TB-7(0-4') and 009-TB-8(0-4') were tested for TCLP metals since they contained elevated concentrations of the metal Lead. As shown on Table 6, the TCLP metals Barium, Cadmium, Chromium, Lead and Selenium were detected in the two samples at concentrations ranging between 0.0052 mg/l or ppm and 1.61 mg/l or ppm. These detected concentrations of TCLP metals did not exceed the NYSDEC 6 NYCRR Part 371.3(e) Characteristic Hazardous Waste Toxicity Regulatory Levels. The TCLP metals Arsenic, Mercury and Silver were not detected in the two samples tested.

3.2 Subsurface Groundwater Conditions

Wet soils potentially attributable to a groundwater table were noted on soil samples from eight of the 20 the test boring locations at depths ranging between approximately 6.0 ft. and 9.4 ft. bgs and greater than equipment refusal. Static water levels indicative of the uppermost groundwater bearing zone were measured on October 23, 2015 at depths ranging between 7.89 feet and 9.52 feet from the top of the well casings (refer to Table 2). As such, the top of the groundwater table during the October 23, 2015 was in proximity to the overburden/bedrock interface at the Site.

The calculated October 23, 2015 groundwater elevations on Table 2 and GIS Spatial Analyst were used to develop potentiometric groundwater contours, which are included as Figure 5. Also included on Figure 5 are the groundwater elevations for each well that were calculated using the established PVC well casing elevations and the October 23, 2015 static water level measurements. As shown on Figure 5, groundwater at the Site on appears to generally flow in a southerly direction.

A measurable layer of LNAPL was not encountered during installation, development, purging or sampling activities conducted at monitoring well locations MW-1 through MW-4. However, during well development, a petroleum-type odor was noted on the groundwater that was purged from monitoring well locations MW-1 through MW-4. The remaining wells did not contain field evidence of impact (i.e., odors, sheen, etc.) during development, purging or sampling activities. Refer to Appendix D for copies of the well development logs and well sampling logs.

3.2.1 Analytical Laboratory Test Results for Groundwater Samples

The laboratory report for the groundwater samples are included in Appendix E. The results are summarized on Table 6, which includes a comparison to Groundwater Standards and Guidance Values referenced in the NYSDEC document titled "Technical and Operational Guidance Series (TOGS 1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" dated June 1998, as amended by a supplemental table dated April 2000. The results and comparison to available groundwater standards and guidance values are summarized below.

- VOCs and Naphthalene: As shown on Table 6, Naphthalene and fourteen VOCs were detected in the four groundwater samples that were tested. Specific VOCs detected included: Benzene, Toluene, mixed Xylenes, Isopropylbenzene, n-Propylbenzene, 1,3,5-Trimethylbenzene, tert-Butylbenzene, 1,2,4-Trimethylbenzene, sec-Butylbenzene, p-Isopropyltoluene, Ethylbenzene, Cyclohexane, Methylcyclohexane, n-Butylbenzene. Detected concentrations of specific VOCs ranged between 0.54 and 2,317.4 microgram/kilogram (ug/l) or parts per billion (ppb). Naphthalene was detected in the four samples at a concentrations ranging between 23.9 and 350 ug/l or ppb. The concentrations of between six and eleven VOCs, as well as the concentrations of Naphthalene, detected in the groundwater samples from MW-1, MW-2, MW-3 and MW-4 exceeded their TOGS 1.1.1 Standards and Guidance Values. The remaining concentrations of VOCs detected in samples MW-1, MW-2, MW-3 and MW-4 are below their available TOGS 1.1.1 Standards and Guidance Values.

  Total VOCs detected in the groundwater samples from each of the four groundwater monitoring wells are provided on Figure 5. As shown, the highest total VOC concentration detected in groundwater was at monitoring well MW-1 located on the northeast portion of the Site in proximity to the former UST locations. The total VOC concentrations detected in groundwater samples from monitoring wells MW-2, MW-3 and MW-4 decrease in a southward direction in relation to the MW-1 monitoring well location.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A 2015 Phase I ESA (DAY File #5045E-15) identified the following REC:

- Active NYSDEC Spill Incident/Former Leaking USTs, and the presence of contaminants in urban fill on the Site.

As requested by the City, DAY's scope of work for the Phase II ESA further evaluated the REC. The Phase II ESA was completed in September/October 2015, and the following scope of work was included as part of the project:

- Procurement of ROW permit and general Site preparation activities.
- Advancement of test borings including field screening of soil/fill samples.
- Laboratory analysis of select soil/fill samples.
- Installation, development, and sampling of groundwater monitoring wells, including collection of static water levels and other field measurements.
- Laboratory analysis of groundwater samples from monitoring wells.
- Preparation of this report.

4.1 Summary of Findings

The findings of this Phase II ESA as they relate to the REC are summarized below.

- Field evidence of petroleum-type contamination was encountered in nine test borings and four monitoring wells located in proximity to, and down-gradient of, the former UST systems area. Soil samples from four of nineteen test locations exceeded applicable SCOs and SCLs for VOCs. The groundwater samples from each of the four monitoring wells exceeded TOGS 1.1.1 Standards and Guidance Values for VOCs. With the exception of TB-12, soil samples collected from test borings advanced in proximity to the perimeter of the Site, including within the adjacent public ROWs, did not contain VOCs above applicable SCOs and SCLs.
- Two samples of urban fill material primarily consisting of reworked soil with trace amounts of cinders, ash and brick contained elevated concentrations of the metal Lead that exceeded applicable SCOs, but did not exceed characteristic hazardous waste toxicity regulatory levels. Elevated SVOCs exceeding applicable SCOs and SCLs were detected in urban fill material at one test boring location advanced on the southeast portion of the Site. The urban fill was encountered at 12 of the 20 Phase II ESA test borings from the ground surface to depths up to approximately 6.0 ft. bgs. The three samples containing concentrations of Lead or SVOCs exceeding SCOs and/or SCLs were located on the northern portion of the Site in proximity to the former gasoline station and auto repair facility with former "paint spraying" operation.

4.2 Conclusions

Based on the work completed to date, petroleum contamination associated with the former UST systems continues to be considered a REC; however, the extent of impact appears limited. Figure 3 (Peak PID readings on soil samples) and Figure 4 (Total VOCs in laboratory soil samples) show the highest concentrations of petroleum-related contamination is located on the northeast portion of the Site in proximity to the former UST locations, which is considered a source area. Assuming

backfill in the two 2011 excavation areas has remained clean down to the top of bedrock, it is estimated that approximately 100 cubic yards (165 tons) of petroleum-contaminated soil exceeding applicable SCOs and SCLs is present in the petroleum source area. However, if the soil is to be removed, it should be presumed that up to doubly this quantity of impacted soil might be generated to account for inadvertent mixing of clean soil with contaminated soil. A hydraulically downgradient petroleum plume with lower constituent concentrations is present on the southern portion of the Site. The plume covers an approximately 45 foot by 50' (i.e., 2,250 square foot) area on the southern part of the Site. With the exception of an area along the east side of the Site in proximity to test location TB-12, the extent of petroleum impact was generally delineated by the Phase II ESA and previous studies, and appears limited primarily to the Site. The concentrations of petroleum-related VOCs present in soil and groundwater warrant further remediation.

Urban fill material at the Site continues to be a REC. Based on the work performed during Phase II ESA and previous studies, the urban fill material primarily consists of reworked soil, and trace to little brick, cinders, wood, coal and/or ash are sporadically present in the reworked soil. The urban fill material is not considered a characteristic hazardous waste based on its metals content; however, since some fill has been found to contain metals and SVOCs at concentrations exceeding applicable SCOs and SCLs, and given the Site may be redeveloped for residential use, select fill removal, special handling requirements, and on-site or off-site re-use/disposal restrictions appear warranted.

4.3 Recommendations

Based on the work completed to date, it is recommended that additional soil removal and in-situ remediation be conducted at the petroleum source area on the northeast portion of the Site in proximity to the former UST locations. Soil removal can effectively address the source area impacted soils in the unsaturated zone, and the in-situ remediation will assist with remediation of impacted soil and groundwater in the saturated zone. Prior to backfilling the excavation, the in-situ remediation would include placement of remediation amendment in the excavations as well as installation of subsurface remediation delivery system components in the excavation for possible future in-situ treatments.

For the downgradient plume area, it is recommended that additional groundwater monitoring be completed to further evaluate groundwater quality conditions on a seasonal basis and also subsequent to the source area remediation work. If remediation in the plume area saturated zone is deemed necessary, it is recommended that one or more an in-situ remediation technique be employed and that further groundwater monitoring be completed to monitor its effectiveness.

In-situ remediation (i.e., bioremediation, oxygen injection, chemical oxidation, barrier systems, etc.) can address the saturated zone contamination effectively and provide a widespread treatment area. The specific in-situ remedial alternative(s) selected, Site characteristics, and the quantities of remedial amendments used, will dictate the process in which contaminants are destroyed (chemical reaction, aerobic respiration, etc.), the associated timeframe to completion (i.e., quick chemical reactions, aerobic respiration rates, etc.) and the subsurface injection method (i.e., excavation amendment, temporary direct-push points, subsurface infiltration gallery, permanent injection points, etc.).

In order to assist in preparing the Site for residential redevelopment, it is recommended that select areas and/or types of fill material (e.g., fill containing ash layers, fill containing elevated concentrations of lead and/or SVOCs, etc. generally located on the northern half of the site in proximity to the former gasoline station and auto repair facility with former "paint spraying" operation) be removed, transported off-site, and disposed at a regulated landfill facility.

Subsequent to the corrective actions outlined above, it is anticipated that residual concentrations of petroleum will remain in soil and groundwater at the Site. In addition, it is anticipated that some areas of urban fill material may remain on the Site. As such, it is recommended that a Site Management Plan (SMP) be prepared and implemented to address future disturbances, handling, re-use, disposal and exposures presented by these impacted media. In addition, the SMP will require that the potential for soil vapor intrusion from residual petroleum impacts into any buildings to be constructed at the Site be evaluated, and that a vapor mitigation system (e.g., sub-slab depressurization system) be installed on any new structure if a potential complete soil vapor intrusion exposure pathway is identified. Deed restrictions or other institutional controls (e.g., flagging parcel in City Building Information System) may also be warranted.

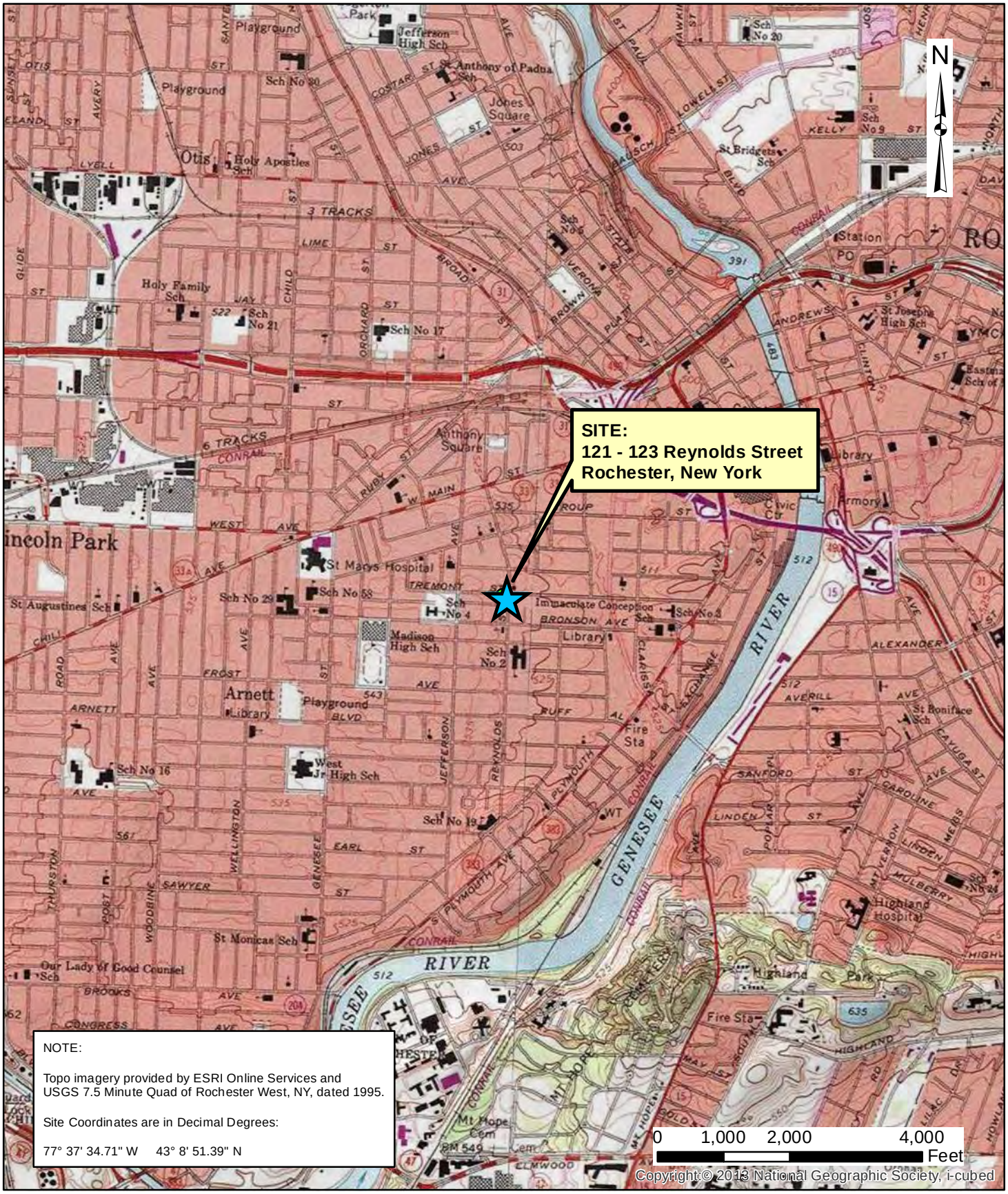
It is recommended that this Phase II ESA report be provided to the NYSDEC for its use in relation to NYSDEC Spill File #1103833. It is also recommended that the NYSDEC check to ensure that the SSDS associated with the residential house at the adjoining 125 Reynolds Street parcel is actively operating.

5.0 ABBREVIATIONS

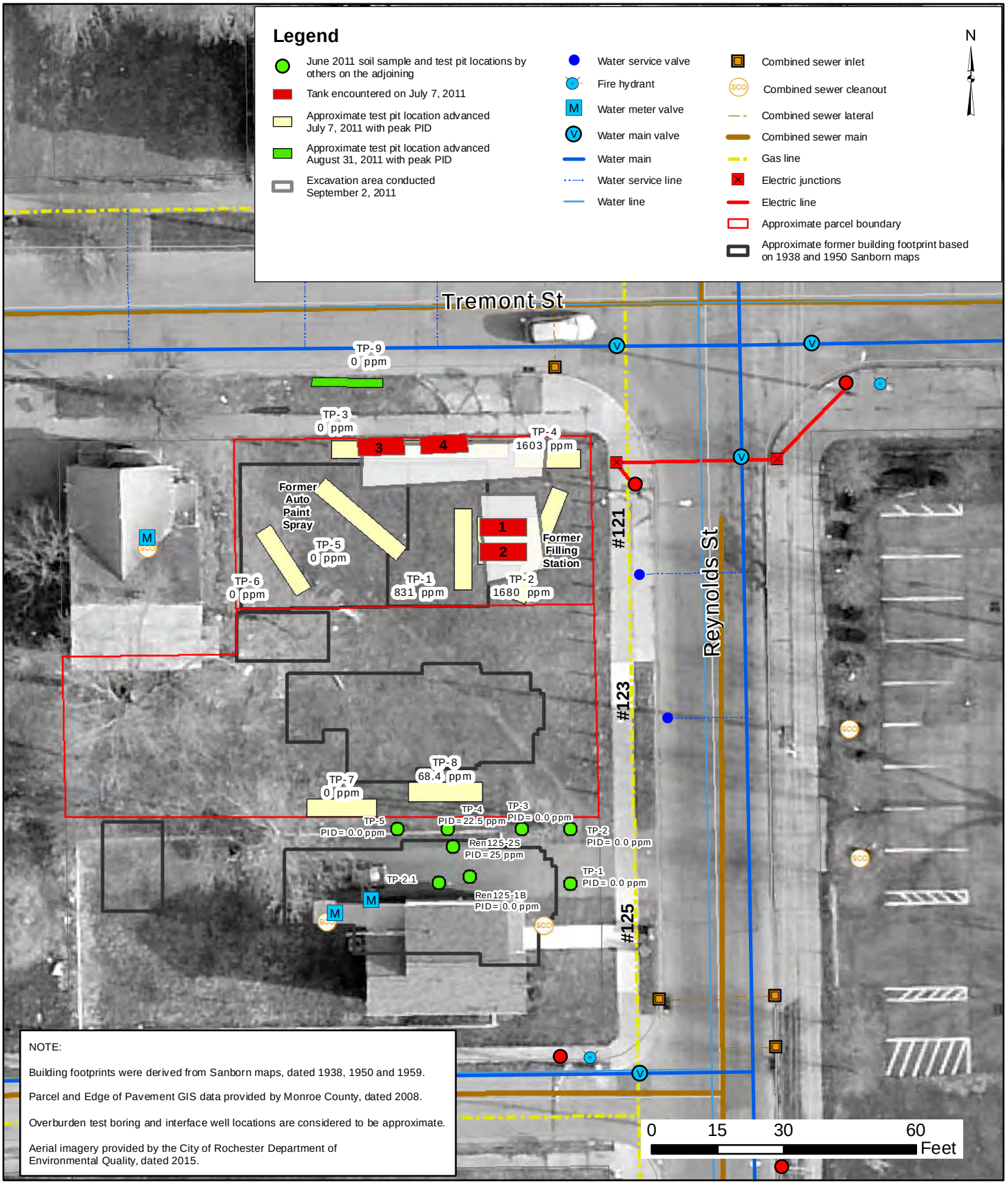
BGS	Below the Ground Surface
Chemtech	Chemtech Consulting Group, Inc.
City	City of Rochester
CP-51	NYSDEC Commissioner's Policy 51
DAY	Day Environmental, Inc.
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
Ft.	Feet
GIS	Geographic Information System
GPS	Global Positioning System
LNAPL	Light Non-Aqueous Phase Liquid
MCPW	Monroe County Pure Waters
mg/kg	Milligram per Kilogram
Nothnagle	Nothnagle Drilling, Inc.
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
Phase I ESA	Phase I Environmental Site Assessment
Phase II ESA	Phase II Environmental Site Assessment
PID	Photoionization Detector
PVC	Polyvinyl Chloride
ppm	Parts Per Million
ppb	Parts Per Billion
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
ROW	Right-Of-Way
SCL	Soil Cleanup Level
SCO	Soil Cleanup Objective
SSDS	Sub-Slab Depressurization System
STARS	Spill Technology and Remediation Series
SVOC	Semi-Volatile Organic Compound
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOGs	Technical and Operational Guidance Series
ug/l	Microgram per Liter
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

FIGURES

Last Date Saved: 11 Jan 2016 Document Path: E:\Aerial Locus Maps\5136S Rocity- Locus.mxd



Date: 08-14-2015 Drawn By: ANM Scale: AS NOTED	day **DAY ENVIRONMENTAL, INC.** **Environmental Consultants** **Rochester, New York 14614-1008** **New York, New York 10016-0710**	Project Title: 121 - 123 REYNOLDS STREET ROCHESTER, NEW YORK PHASE II ENVIRONMENTAL SITE ASSESSMENT Drawing Title: Project Locus Map	Project No.: 5136S-15 FIGURE 1



NOTE:

Building footprints were derived from Sanborn maps, dated 1938, 1950 and 1959.

Parcel and Edge of Pavement GIS data provided by Monroe County, dated 2008.

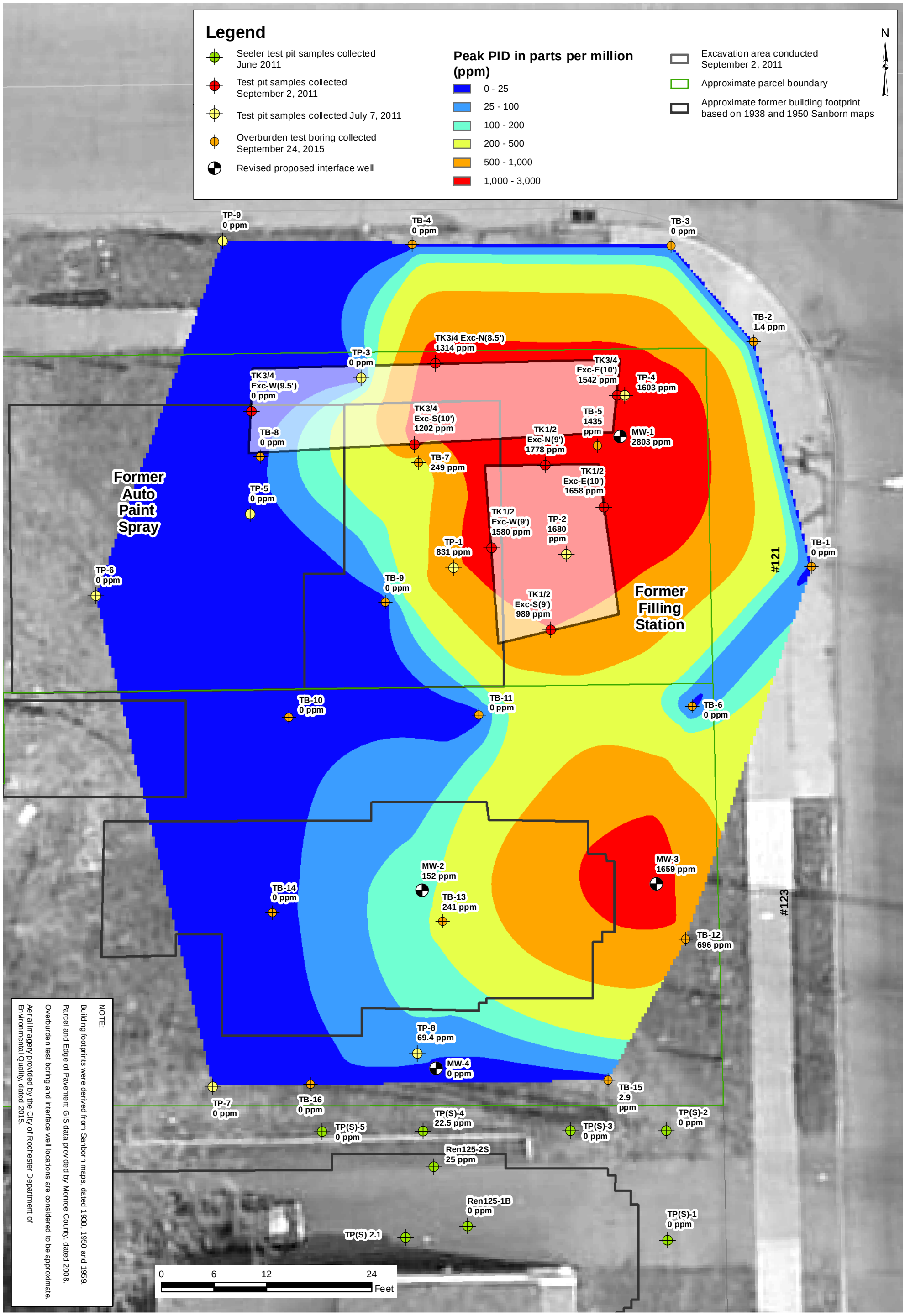
Overburden test boring and interface well locations are considered to be approximate.

Aerial imagery provided by the City of Rochester Department of Environmental Quality, dated 2015.

Document Path: \\Smelt_optiplex\GIS\GIS Mapping\Rocity\ReynoldsStreet\5136S-15Rocity - Reynolds St\Phase II Report\5136S-1-PII- Site Plan.mxd

Last Date Saved: 07 Jan 2016

Date: 01-04-2016	day DAY ENVIRONMENTAL, INC. Environmental Consultants Rochester, New York 14606 New York, New York 10170	Project Title: 121 - 123 REYNOLDS STREET ROCHESTER, NEW YORK PHASE II ENVIRONMENTAL SITE ASSESSMENT	Project No.: 5136S-15
Drawn By: CPS		Drawing Title: Site Plan with Previous Test Locations and Utility Overlay	FIGURE 2
Scale: AS NOTED			



Project No. 5136S-15

FIGURE 3

Project Title
121 - 123 REYNOLDS STREET
ROCHESTER, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Drawing Title
Site Plan with Interpolated Peak PID Readings On-Site and in Public Right-of-Way

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

DESIGNED BY	DATE
JAD	01-2016
DRAWN BY	DATE DRAWN
CPS	01-2016
SCALE	DATE ISSUED
AS NOTED	01-06-2016

Legend

- Test pit samples collected September 2, 2011
- Test pit samples collected July 7, 2011
- Overburden test boring collected September 24, 2015
- Revised proposed interface well
- Exceeds CP-51 Soil Cleanup Level and/or Part 375 Residential Use Soil Cleanup Objective for Petroleum-Related VOCs

VOCs in Soil measured in parts per million (ppm)

- 0 - 2
- 2 - 5
- 5 - 100
- 100 - 500
- 500 - 1,000
- 1,000 - 2,000

- Excavation area conducted September 2, 2011
- Approximate parcel boundary
- Approximate former building footprint based on 1938 and 1950 Sanborn maps

N

TP-9 0 ppm
TB-4 0 ppm
TB-3 0 ppm
TB-2 0.0019 ppm
TK3/4 Exc-N(8.5') 3.46 ppm
TK3/4 Exc-E(10') 55.17 ppm
TP-4 188.42 ppm
TP-3
TK3/4 Exc-W(9.5') 0.0107 ppm
TK3/4 Exc-S(10') 0.0468 ppm
TB-5 98.359 ppm
MW-1
TB-8 0 ppm
TB-7 0.219 ppm
TK1/2 Exc-N(9') 27.55 ppm
TK1/2 Exc-E(10') 30.72 ppm
TP-5 0 ppm
Former Auto Paint Spray
TK1/2 Exc-W(9') 1800.9 ppm
TP-1 5.26 ppm
TP-2
TB-1 0 ppm
TP-6 0.0229 ppm
TB-9 0 ppm
TK1/2 Exc-S(9') 19.83 ppm
Former Filling Station
#121
TB-10 0 ppm
TB-11 0 ppm
TB-6 0 ppm
MW-2 55.3297 ppm
TB-14 0 ppm
TB-13 45.03 ppm
MW-3 6.0865 ppm
#123
TB-12 24.99 ppm
TP-8 0.22 ppm
MW-4 0 ppm
TP-7 0 ppm
TB-16 0 ppm
TB-15 0 ppm

0 6 12 24 Feet

NOTE:

Building footprints were derived from Sanborn maps, dated 1938, 1950 and 1959.

Parcel and Edge of Pavement GIS data provided by Monroe County, dated 2008.

Overburden test boring and interface well locations are considered to be approximate.

Aerial imagery provided by the City of Rochester Department of Environmental Quality, dated 2015.

FIGURE 4

Project No. 5136S-15

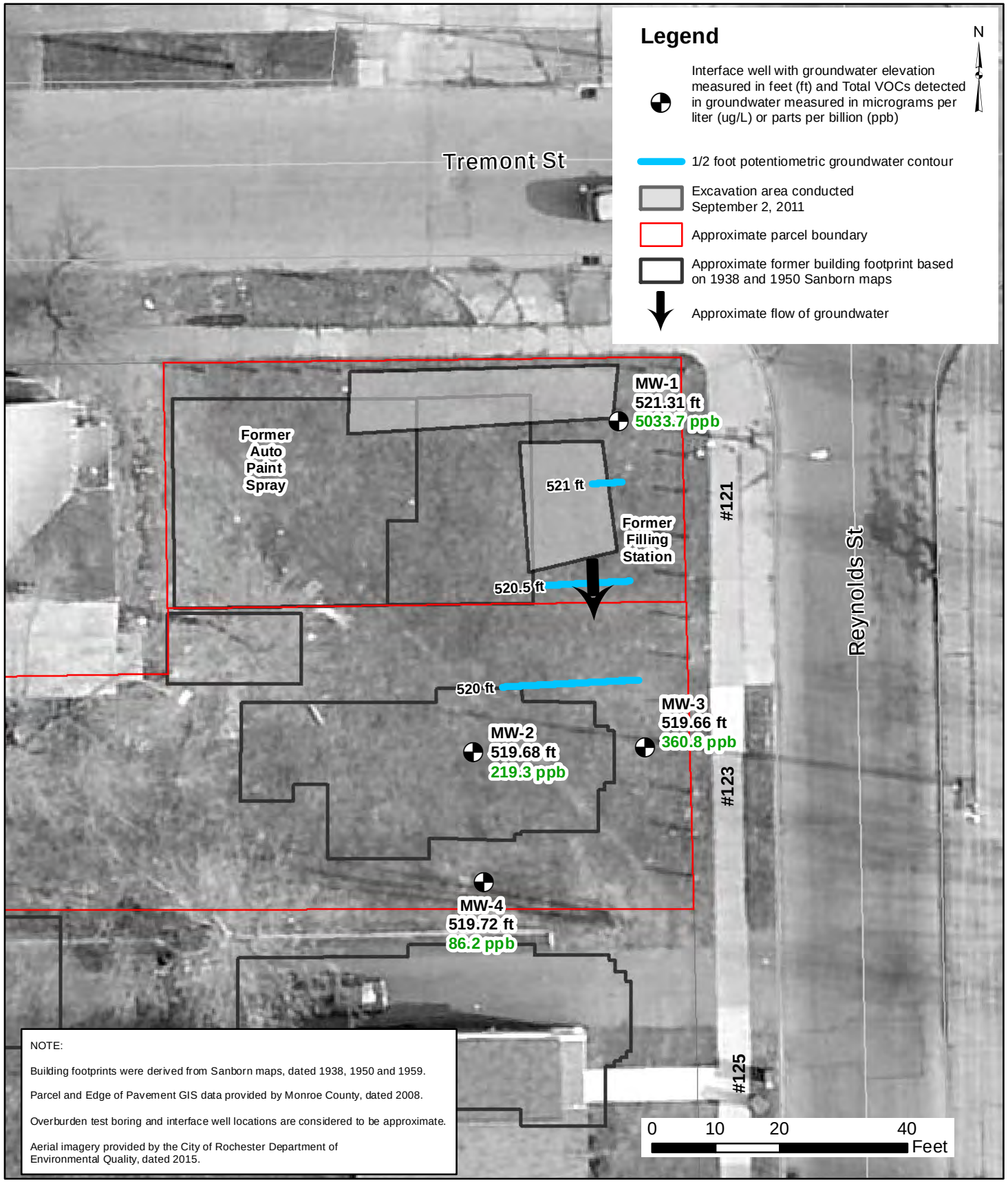
Project Title
121 - 123 REYNOLDS STREET
ROCHESTER, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Drawing Title
Site Plan with Interpolated Total VOCs Measured in Soil Samples

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

DESIGNED BY	DATE
JAD	01-2016
DRAWN BY	DATE DRAWN
CPS	01-2016
SCALE	DATE ISSUED
AS NOTED	01-11-2016



Date: 10-28-2015

Drawn By: CPS

Scale: AS NOTED

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
121 - 123 REYNOLDS STREET
ROCHESTER, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Drawing Title
Potentiometric Groundwater Contour Map for October 23 2015 with Total VOCs Measured in Groundwater Samples

Project No.
5136S-15

FIGURE 5

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Last Date Saved: 11 Jan 2016

TABLES

Table 1

121 - 123 Reynolds Street
Rochester, New York

NYSDEC Spill #1103833

Sample Log

Sample ID	Collection Date	Depth (ft)	Composite or Grab	PID Reading (PPM)	Matrix	Analytical Test Parameters
001-TB-1(5-8)	9/24/2015	5-8	Grab	0.0	Soil	STARS/CP-51 VOC
002-TB-2(5-8.2)	9/24/2015	5-8.2	Grab	1.4	Soil	STARS/CP-51 VOC, STARS/CP-51 SVOC
003-TB-3(5-8.5)	9/24/2015	5-8.5	Grab	0.0	Soil	STARS/CP-51 VOC
004-TB-4(5-9)	9/24/2015	5-9	Grab	0	Soil	STARS/CP-51 VOC
005-TB-5(4-8)	9/24/2015	4-8	Grab	1435	Soil	STARS/CP-51 VOC, STARS/CP-51 SVOC, RCRA Metal
006-TB-6(8-8.8)	9/24/2015	8-8.8	Grab	0.0	Soil	STARS/CP-51 VOC
007-TB-7(0-4)	9/24/2015	0-4	Grab	0.0	Soil	RCRA Metal, TCLP Metal
008-TB-7(8-9.7)	9/24/2015	8-9.7	Grab	249	Soil	STARS/CP-51 VOC, STARS/CP-51 SVOC
009-TB-8(0-4)	9/24/2015	0-4	Grab	0.0	Soil	STARS/CP-51 SVOC, RCRA Metal, TCLP Metal
010-TB-8(8-9.7)	9/24/2015	8-9.7	Grab	0.0	Soil	STARS/CP-51 VOC
011-TB-9(8-9.7)	9/24/2015	8-9.7	Grab	0.0	Soil	STARS/CP-51 VOC
012-TB-10(8-9.5)	9/24/2015	8-9.5	Grab	0.0	Soil	STARS/CP-51 VOC
013-TB-11(0-4)	9/24/2015	0-4	Grab	0.0	Soil	STARS/CP-51 SVOC, RCRA Metal
014-TB-11(8-9.2)	9/24/2015	8-9.2	Grab	0.0	Soil	STARS/CP-51 VOC
015-TB-12(8-8.8)	9/24/2015	8-8.8	Grab	696	Soil	STARS/CP-51 VOC
016-TB-13(4-8)	9/24/2015	4-8	Grab	201	Soil	STARS/CP-51 SVOC, RCRA Metal
017-TB-13(8-9.2)	9/24/2015	8-9.2	Grab	241	Soil	STARS/CP-51 VOC
018-TB-14(8-9.4)	9/24/2015	8-9.4	Grab	0.0	Soil	STARS/CP-51 VOC
019-TB-15(0-4)	9/24/2015	0-4	Grab	0.0	Soil	RCRA Metal
020-TB-15(4-8)	9/24/2015	4-8	Grab	2.9	Soil	STARS/CP-51 VOC
021-TB-16(8-9.8)	9/24/2015	8-9.8	Grab	0.0	Soil	STARS/CP-51 VOC
022-MW-2(8-9.4)	10/7/2015	8-9.4	Grab	152	Soil	STARS/CP-51 VOC
023-MW-3 (8-8.8)	10/7/2015	8-8.8	Grab	1659	Soil	STARS/CP-51 VOC
024-MW-4(9)	10/6/2015	9	Grab	0.0	Soil	STARS/CP-51 VOC
025-IDW1(Soil)	10/7/2015	NA	Composite	NA	Soil	TCLP Metal, Flash
026-MW-1	10/23/2015	NA	Grab	NA	Groundwater	TCL + STARS/CP-51 VOC
027-MW-2	10/23/2015	NA	Grab	NA	Groundwater	TCL + STARS/CP-51 VOC
028-MW-3	10/23/2015	NA	Grab	NA	Groundwater	TCL + STARS/CP-51 VOC
029-MW-4	10/23/2015	NA	Grab	NA	Groundwater	TCL + STARS/CP-51 VOC
030-IDW2(water)	10/23/2015	NA	Grab	NA	Water	Purgeable Organic VOC/SVOC

VOC = Volatile Organic Compounds via USEPA Method 8260
SVOC = Semi-Volatile Organic Compounds via USEPA Method 8270
RCRA Metal = Resource Conservation and Recovery Act total metals via USEPA Methods 6010 and 7471
TCLP Metal = Toxicity Characteristic Leaching Procedure metals via USEPA Methods 1311, 6010 and 7470
Flash = Flashpoint via USEPA Method 1030
USEPA = United States Environmental Protection Agency
NYSDEC - New York State Department of Environmental Conservation
STARS= NYSDEC Spill Technology and Remediation Series list
CP-51 = NYSDEC Commissioner's Policy 51 list
TCL = USEPA Target Compound List
NA = Not Applicable
Purgeable Organic VOC/SVOC = Purgeable Organic VOCs via USEPA Method 624/SVOCs via USEPA Method 625

Table 2

121-123 Reynolds Street, Rochester, New York
NYSDEC Spill #1103833

Groundwater Elevation Data for October 23, 2015

Well ID	Elevation of PVC Well Casing (FT)	Static Water Level (SWL) Measurement (FT)	Groundwater Elevation (FT)
MW-1	529.20	7.89	521.31
MW-2	529.20	9.52	519.68
MW-3	528.70	9.04	519.66
MW-4	529.10	9.38	519.72

Table 3

121 - 123 Reynolds Street, Rochester, New York
NYSDEC Spill #1103833

Summary of Detected VOC and Naphthalene Results in mg/Kg or Parts per Million (ppm)

Soil Samples

Detected Compound	A Protection of Groundwater SCO (1)	B Residential SCO (1)	C Restricted Residential SCO(1)	D SCL(2)	001 TB-1 5-8 09/24/2015	002 TB-2 5-8.2 09/24/2015	003 TB-3 5-8.5 09/24/2015	004 TB-4 5-9 09/24/2015	005 TB-5 4-8 09/24/2015	006 TB-6 8-8.8 09/24/2015	008 TB-7 8-9.7 09/24/2015
Benzene	0.06	2.9	4.8	0.06	U	U	U	U	U	U	U
Toluene	0.7	100	100	0.7	U	U	U	U	U	U	U
Ethylbenzene	1	30	41	1	U	U	U	U	**3.8** D **AD**	U	0.0242
Xylene (mixed)	1.6	100	100	0.26	U	U	U	U	**16.1382** D **AD**	U	0.0035 J
Isopropylbenzene	2.3	100	NA	2.3	U	U	U	U	1.6 D	U	0.0238
n-Propylbenzene	3.9	100	100	3.9	U	0.0019 J	U	U	**6.1** D **AD**	U	0.0552
1,3,5- Trimethylbenzene	8.4	47	52	8.4	U	U	U	U	**13.5** D **AD**	U	0.0157
tert-Butylbenzene	5.9	100	100	5.9	U	U	U	U	0.0108	U	0.003 J
1,2,4-Trimethylbenzene	3.6	47	52	3.6	U	U	U	U	**49.2** D **ABD**	U	0.023
sec-Butylbenzene	11	100	100	11	U	U	U	U	0.11	U	0.0216
p-Isopropyltoluene	10	NA	NA	10	U	U	U	U	1.7 D	U	0.049
n-Butylbenzene	12	100	100	12	U	U	U	U	6.2 D	U	U
TOTAL VOCs	NA	NA	NA	NA	0.0	0.0019	0.0	0.0	98.359	0.0	0.219
Naphthalene	12	100	100	12	U	U	U	U	3.5 D	U	U

U = Not detected

VOC = Volatile Organic Compound

J = Estimated Value

NA = Not available

(1) = Soil Cleanup Objectives (SCO) referenced in 6 NYCRR Part 375 dated 12/14/06

(2) = Soil Cleanup Level (SCL) as referenced in NYSDEC CP-51 / Soil Cleanup Guidance Table 1 dated 10/21/10

A = Exceeds Protection of Groundwater SCO

B = Exceeds Residential Use SCO

C = Exceeds Restricted Residential Use SCO

D = Exceeds SCL

Table 3

121 - 123 Reynolds Street, Rochester, New York
NYSDEC Spill #1103833

Summary of Detected VOC and Naphthalene Results in mg/Kg or Parts per Million (ppm)

Soil Samples

Detected Compound	A Protection of Groundwater SCO (1)	B Residential SCO (1)	C Restricted Residential SCO(1)	D SCL(2)	010 TB-8 8-9.7 09/24/2015	011 TB-9 8-9.7 09/24/2015	012 TB-10 8-9.5 09/24/2015	014 TB-11 8-9.2 09/24/2015	015 TB-12 8-8.8 09/24/2015	017 TB-13 8-9.2 09/24/2015
Benzene	0.06	2.9	4.8	0.06	U	U	U	U	U	U
Toluene	0.7	100	100	0.7	U	U	U	U	U	0.13 J
Ethylbenzene	1	30	41	1	U	U	U	U	U	U
Xylene (mixed)	1.6	100	100	0.26	U	U	U	U	**0.89** J **D**	**7.7** **AD**
Isopropylbenzene	2.3	100	NA	2.3	U	U	U	U	U	U
n-Propylbenzene	3.9	100	100	3.9	U	U	U	U	U	U
1,3,5- Trimethylbenzene	8.4	47	52	8.4	U	U	U	U	**9.7** **AD**	8.2
tert-Butylbenzene	5.9	100	100	5.9	U	U	U	U	U	U
1,2,4-Trimethylbenzene	3.6	47	52	3.6	U	U	U	U	**10.4** **AD**	**25.1** D **AD**
sec-Butylbenzene	11	100	100	11	U	U	U	U	U	U
p-Isopropyltoluene	10	NA	NA	10	U	U	U	U	4	3.9
n-Butylbenzene	12	100	100	12	U	U	U	U	U	U
TOTAL VOCs	NA	NA	NA	NA	0.0	0.0	0.0	0.0	24.99	45.03
Naphthalene	12	100	100	12	U	U	U	U	U	**21.6** D **AD**

U = Not detected

VOC = Volatile Organic Compound

J = Estimated Value

NA = Not available

(1) = Soil Cleanup Objectives (SCO) referenced in 6 NYCRR Part 375 dated 12/14/06

(2) = Soil Cleanup Level (SCL) as referenced in NYSDEC CP-51 / Soil Cleanup Guidance Table 1 dated 10/21/10

A = Exceeds Protection of Groundwater SCO

B = Exceeds Residential Use SCO

C = Exceeds Restricted Residential Use SCO

D = Exceeds SCL

Table 3

121 - 123 Reynolds Street, Rochester, New York
NYSDEC Spill #1103833

Summary of Detected VOC and Naphthalene Results in mg/Kg or Parts per Million (ppm)

Soil Samples

Detected Compound	A Protection of Groundwater SCO (1)	B Residential SCO (1)	C Restricted Residential SCO(1)	D SCL(2)	018 TB-14 8-9.4 09/24/2015	020 TB-15 4-8 09/24/2015	021 TB-16 8-9.8 09/24/2015	022 MW-2 8-9.4 10/7/2015	023 MW-3 8-8.8 10/7/2015	024 MW-4 9 10/6/2015
Benzene	0.06	2.9	4.8	0.06	U	U	U	0.049	U	U
Toluene	0.7	100	100	0.7	U	U	U	0.0807	U	U
Ethylbenzene	1	30	41	1	U	U	U	**2** D **AD**	U	U
Xylene (mixed)	1.6	100	100	0.26	U	U	U	**10.1** D **AD**	0.21	U
Isopropylbenzene	2.3	100	NA	2.3	U	U	U	1.1 D	0.0567	U
n-Propylbenzene	3.9	100	100	3.9	U	U	U	2.9 D	0.083	U
1,3,5- Trimethylbenzene	8.4	47	52	8.4	U	U	U	5.2 D	1.9 D	U
tert-Butylbenzene	5.9	100	100	5.9	U	U	U	U	0.0268	U
1,2,4-Trimethylbenzene	3.6	47	52	3.6	U	U	U	**17.8** D **AD**	2.2 D	U
sec-Butylbenzene	11	100	100	11	U	U	U	4.1 D	0.11	U
p-Isopropyltoluene	10	NA	NA	10	U	U	U	2.9 D	1.5 D	U
n-Butylbenzene	12	100	100	12	U	U	U	9.1 D	U	U
TOTAL VOCs	NA	NA	NA	NA	0.0	0.0	0.0	55.3297	6.0865	0.0
Naphthalene	12	100	100	12	0.0098	U	U	**85.4** D **AD**	0.0214	U

U = Not detected

VOC = Volatile Organic Compound

J = Estimated Value

NA = Not available

(1) = Soil Cleanup Objectives (SCO) referenced in 6 NYCRR Part 375 dated 12/14/06

(2) = Soil Cleanup Level (SCL) as referenced in NYSDEC CP-51 / Soil Cleanup Guidance Table 1 dated 10/21/10

A = Exceeds Protection of Groundwater SCO

B = Exceeds Residential Use SCO

C = Exceeds Restricted Residential Use SCO

D = Exceeds SCL

Table 4

121 - 123 Reynolds Street, Rochester, New York
NYSDEC Spill #1103833

Summary of Detected SVOC Results in mg/Kg or Parts Per Million (ppm)

Soil Samples

Detected Compound	A Protection of Groundwater SCO (1)	B Residential SCO (1)	C Restricted Residential SCO(1)	D SCL (2)	002 TB-2 5-8.2 09/24/2015	005 TB-5 4-8 09/24/2015	008 TB-7 8-9.7 09/24/2015	009 TB-8 0-4 09/24/2015	013 TB-11 0-4 09/24/2015	016 TB-13 4-8 09/24/2015
Acenaphthene	98	100	100	20	U	U	U	0.19 J	U	U
Phenanthrene	1,000	100	100	100	U	U	U	3.1	0.31 J	32.2 D
Anthracene	1,000	100	100	100	U	U	U	0.89	0.0817 J	U
Fluoranthene	1,000	100	100	100	U	U	U	5.2	0.65	0.76
Pyrene	1,000	100	100	100	U	U	U	4.5	0.51	1.6
Benzo(a)anthracene	1	1	1	1	U	U	U	**3.6** **ABCD**	0.32 J	0.17 J
Chrysene	1	1	3.9	1	U	U	U	**2.7** **ABD**	0.29 J	0.13 J
Benzo(b)fluoranthene	1.7	1	1	1	U	U	U	**4** **ABCD**	0.38	U
Benzo(k)fluoranthene	1.7	1	3.9	0.8	U	U	U	**2.1** **ABD**	0.19 J	U
Benzo(a)pyrene	22	1	1	1	U	U	U	**3.2** **BCD**	0.27 J	U
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.5	U	U	U	**2** **BCD**	0.2 J	U
Dibenzo(a,h) anthracene	1000	0.33	0.33	0.33	U	U	U	**0.5** J **BCD**	U	U
Benzo(g,h,i)perylene	1,000	100	100	100	U	U	U	1.9	0.16 J	U
TOTAL SVOCS	NA	NA	NA	NA	0.0	0.0	0.0	33.88	3.3617	34.86

U = Not detected SVOC = Semi-Volatile Organic Compound

J = Estimated Value NA = Not available

(1) = Soil Cleanup Objectives (SCO) referenced in 6 NYCRR Part 375 dated 12/14/06.

(2) = Soil Cleanup Level (SCL) as referenced in NYSDEC CP-51 / Soil Cleanup Guidance Table 1 dated 10/21/10

A = Exceeds Protection of Groundwater SCO

B = Exceeds Residential Use SCO

C = Exceeds Restricted Residential Use SCO

D = Exceeds SCL

Table 5

121 - 123 Reynolds Street, Rochester, New York
NYSDEC Spill #1103833

Summary of Metals Results in mg/Kg or Parts Per Million (ppm)

Soil Samples

Detected Analyte	A Protection of Groundwater SCO (1)	B Residential SCO (1)	C Restricted Residential SCO(1)	005 TB-5 4-8 09/24/2015	007 TB-7 0-4 09/24/2015	009 TB-8 0-4 09/24/2015	013 TB-11 0-4 09/24/2015	016 TB-13 4-8 09/24/2015	019 TB-15 0-4 09/24/2015
Arsenic	16	16	16	2.29	3.68	4.02	1.57	2.2	1.76
Barium	820	350	400	42.8 N	86.9 N	140 N	24.5 N	45.1 N	32.9 N
Cadmium	7.5	2.5	4.3	0.079 J	0.335	1.19	U	0.104 J	U
Chromium	NA	36	180	5.71	9.5	6.79	4.83	7.28	6.5
Lead	450	400	400	9.51	**441 BC**	**486 ABC**	5.5	90.8	12.6
Mercury	0.73	0.81	0.81	0.133	0.659	0.714	0.166	0.013 J	0.042
Selenium	4	36	180	U N	U N	U N	U N	U N	U N
Silver	8.3	36	180	0.621	0.989	0.796	0.536	0.769	0.68

U = Not detected

N = Spiked sample recovery not within control limits

J = Estimated Value

NA = Not available

(1) = Soil Cleanup Objectives (SCO) Referenced in 6 NYCRR Part 375 dated 12/14/06.

A = Exceeds Protection of Groundwater SCO

B = Exceeds Residential Use SCO

C = Exceeds Restricted Residential Use SCO

Table 6

121 - 123 Reynolds Street, Rochester, New York
NYSDEC Spill #1103833

Summary of TCLP Metals Results in mg/l or Parts Per Million (ppm)

Soil Samples

Detected Analyte	Regulatory Level[1]	007 TB-7 0-4 09/24/2015		009 TB-8 0-4 09/24/2015	
Arsenic	5	U		U	
Barium	100	1.61		1.26	
Cadmium	1	0.0052 J		0.0205 J	
Chromium	5	0.027 J		0.0217 J	
Lead	5	0.269		0.239	
Mercury	0.2	U		U	
Selenium	1	0.125		0.142	
Silver	5	U		U	

U = Not detected

J = Estimated Value

(1) = Regulatory Level (MCL) for characteristic hazardous waste based on toxicity referenced in NYSDEC 6NYCRR Part 371.3(e).

Table 7

121 - 123 Reynolds Street, Rochester, New York
NYSDEC Spill #1103833

Summary of Detected VOC and Naphthalene Results in ug/Kg or Parts per Billion (ppb)

Groundwater Samples

Detected Compound	Groundwater Standard or Guidance Value [1]	026 MW-1 10/23/15		027 MW-2 10/23/15		028 MW-3 10/23/15		029 MW-4 10/23/15	
Benzene	1	3.5	X	7.7	X	2.9	X	2.5	X
Toluene	5	11.5	X	2.2		2.1		0.6 J	
Xylene (mixed)	5	2,317.4 D	X	46.0	X	63.0	X	9.8	X
Isopropylbenzene	5	81.3	X	9.2	X	9.8	X	6.8	X
n-Propylbenzene	5	150	X	15.3	X	14.5	X	11.2	X
1,3,5- Trimethylbenzene	5	300 D	X	15.0	X	28.1	X	2.9	
tert-Butylbenzene	5	1.4		0.54 J		0.82 J		0.56 J	
1,2,4-Trimethylbenzene	5	1,100 D	X	83.2	X	130	X	28.3	X
sec-Butylbenzene	5	9.4	X	6.5	X	5.9	X	6.9	X
p-Isopropyltoluene	5	17	X	4.5		6.0	X	2.7	
Ethylbenzene	5	500 D	X	9.1	X	5.9	X	2.2	
Cyclohexane	NA	260 D		10.5		32.3		5.1	
Methylcyclohexane	NA	270 D		6.2		56.4		3.7	
n-Butylbenzene	5	12.2	X	3.4		3.1		2.9	
TOTAL VOCs [2]	NA	5,033.7		219.3		360.8		86.2	
Naphthalene	10	350 D	X	74.8	X	37.30	X	23.9	X

U = Not Detected above detection limit utilized by the analytical laboratory

NA = Not available

J = Estimated Value

VOC = Volatile Organic Compound

X = Exceeds applicable groundwater standard or guidance value

Values are in microgram per liter (ug/L) or parts per billion (ppb)

[1] Groundwater standard or guidance values are as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by NYSDEC's supplemental table dated April 2000.

[2] Total VOCs does not include naphthalene.

APPENDIX A

Photo Log

Photo Log

Phase II Environmental Site Assessment

121-123 Reynolds Street, Rochester, New York

NYSDEC Spill Site #1103833



Direct-Push Test Borings – looking north (9/24/2015)



Direct-Push Test Borings – looking southwest (9/24/2015)



Rotary Test Boring/Well Location MW-1 – looking northeast (10/6/2015)



Investigation Derived Waste – looking north (10/6/2015)



Rotary Test Boring/Well Location MW-4 – looking southeast (10/6/2015)



Rotary Test Boring/Well Location MW-3 – looking southeast (10/6/2015)

APPENDIX B

Permits

City of Rochester
Right-of-Way Permit

FAX (585) 428-6291
Phone (585) 428-6848

Department of
Environmental Services

Architecture and Engineering Service
Permit Office, City Hall, Room 121-B
30 Church Street
Rochester, New York 14614-1279

Permit Number: 1151013

Valid: 09/24/2015 to 09/25/2015

Fees:				
	Base	$125.00	Mnmt.	$0.00
	RP	$0.00	Penalty	$0.00
	Ext. Maint.	$0.00	Amt Waived	$125.00
	Water	$0.00	**Total**	**$0.00**
	Other Adjustments	$0.00		

Cash Register Stamp

Permit Holder: **Day Environmental, Inc.**
1563 Lyell Avenue
Rochester, NY 14606
(585) 454-0210

Contact: Jeffrey Danzinger
(585) 454-0210

Type of Work: Excavation Work / Regular

Work Locations

Number	Street Name
121 - 123	REYNOLDS ST

Excavation Information

RC	RH	Pavement Type	Length (ft)	Width (ft)	Area (sq ft)
No	No	Medium	1	1	1

Work Description: Four direct push Geoprobe soil borings under contract with the City of Rochester DEQ.

All work performed pursuant to this permit shall conform to the specific conditions contained herein, the general terms and conditions attached hereto, and the City of Rochester's Standards for Work in the Right-of-Way. This permit may be revoked at any time by the City Engineer. This permit is not valid without the signature of the City Engineer.

This 22 day of Sept. 2015

Commissioner of Deeds

Signature of Permit Holder

City Engineer

SPMT1104
EEO Employer/Handicapped

Date Printed: September 22, 201

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. 8575 ST- Permit No: ST-301

Expires: 12/31/15

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) Timothy K. Hampton

Applicant's Signature _____ Date 12/15/2015

Applicant's Title Vice President Phone (585) 454-0210

Emergency Contact Jeff Danzinger Phone (585) 454-0210

Renewal Approved by: _____ Issued this 20 day of Nov 20 15.

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-301
DISTRICT NUMBER: 8575

SITE LOCATION: Reynolds Street Site
Rochester, NY

TYPE OF BUSINESS: Former Gas Station
SAMPLE POINT: 55-gal Drums

REQUIRED MONITORING

SELF MONITORING FREQUENCY: Each and every batch 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 representative grab sample, collected from the above noted sample point shall be analyzed for the following:

Analyte	Limit
Semi-Volatile Organic Compounds	*
Purgeable Organics	*

* The summation of all Semi-volatile organic compounds and Purgeable Organics reported greater than 10 µg/l shall not exceed 2.13 mg/L.

SPECIAL CONDITIONS:

1. Sample results must be reviewed and approved by Monroe County prior to each discharge.
2. A discharge location must be approved by Monroe County.
3. The discharge rate must not exceed 10 gpm unless an alternative rate is approved by Monroe County.
4. All future discharges must be approved by Monroe County.

APPENDIX C

Test Boring Logs and Monitoring Well Construction Diagrams

day

ENVIRONMENTAL CONSULTANTS

DAY ENVIRONMENTAL, INC.

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-1

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 8.0'
Borehole Diameter: 2.25"
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									Air Spade 0-5'
2	NA	NA	NA	NA	NA	NA	NA	No Sample	
3									
4									
5									
6							0.0	Tan, SILT, trace rounded Gravel, moist	
7	NA	S-1	5-8	80	NA	0.0	0.0		
8							0.0		
8								Refusal @ 8.0'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-1

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DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-2

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 8.3'
Borehole Diameter: 2.25"
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									Air spade 0 - 5'
2	NA	NA	NA	NA	NA	NA	NA	No Sample	
3									
4									
5									
6							0.0	Tan, SILT, little rounded Gravel, moist	
7	NA	S-1	5-8.3	50	NA		0.0		
8						1.4	1.2		
9								Refusal @ 8.3'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-2

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DAY ENVIRONMENTAL, INC.

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-3

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 8.5'
Borehole Diameter: 2.25"
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									Air spade 0 - 5'
2	NA	NA	NA	NA	NA	NA	NA	No Sample	
3									
4									
5									
6							0.0	Tan, SILT, little rounded Gravel, moist	
7	NA	S-1	5-8.5'	90	NA	0.0	0.0		
8							0.0		
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-3

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-4

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 10.0'
Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Wet soil @ 8.0'

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									Air spade 0 - 5'
2	NA	NA	NA	NA	NA	NA	NA	No Sample	
3									
4									
5									
6							0.0	Brown, SILT, trace rounded Gravel	
7	NA	S-1	5-9	90	NA	0.0	0.0		
8							0.0	...moist/wet	
9							0.0		
	NA	S-2	9-10	100	NA	0.0	0.0		
10								Refusal @ 10.0'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-4

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ENVIRONMENTAL CONSULTANTS

DAY ENVIRONMENTAL, INC.

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-5

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 9.0'
Borehole Diameter: 2.25"
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							0.0	Grass and Topsoil, Rock fragments	
2	NA	S-1	0-4	50	NA	0.0	0.0	Brown SILT (possibly FILL)	
3							0.0		
4							0.0		
5							0.0	Tan, fine SAND (possibly FILL)	
6	NA	S-2	4-8	100	NA	1435	755	Tan, SILT, trace Sand & rounded Gravel	**Petroleum-type odor at 6.0'**
7							970		
8							112		
9	NA	S-3	8-9	100	NA	998	356		
10								Refusal @ 9.0'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-5

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-6

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 8.8'
Borehole Diameter: 2.25"
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							0.0	Grass and Topsoil	
2	NA	S-1	0-4	60	NA	0.0	0.0	Brown, SILT and GRAVEL, little Roots	
3							0.0		
4							0.0		
5							0.0	Brown, SILT, little fine Sand, trace rounded Gravel, moist	
6	NA	S-2	4-8	80	NA	0.0	0.0		
7							0.0		
8							0.0		
	NA	S-3	8-8.8	90	NA	0.0	0.0		
9								Refusal @ 8.8'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-6

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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-7

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 9.7'
Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Wet Soil @ 9.4'

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	Grass and Topsoil	
2	NA	S-1	0-4	90	NA	0.0	0.0	Tan, Silt (FILL) ...some Cinders, Ash, trace Brick (FILL)	
3							0.0		
4							0.0		
5							0.0	Tan, SILT, trace Clay, moist	
6	NA	S-2	4-8	80	NA	0.0	0.0		
7							0.0	...trace Sand	
8							0.0		
9	NA	S-3	8-9.7	100	NA	249	149 43.8 6.6	Gray, Sandy SILT, little rounded Gravel, moist/wet @ 9.4'	**Petroleum-type odor at 8.0'**
10								Refusal @ 9.7'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-7

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Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-8

Ground Elevation: NA Datum: NA
Date Started: 9/24/2015 Date Ended: 9/24/2015
Borehole Depth: 9.7' Borehole Diameter: 2.25"
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							0.0	Grass and Topsoil	
2	NA	S-1	0-4	75	NA	0.0	0.0	Brown, Silt (FILL) ……Some Gray/Black Cinders & Ash, dry (FILL)	
3							0.0		
4							0.0		
5							0.0	Tan, SILT, little Sand, trace Gravel, moist	
6	NA	S-2	4-8	60	NA	0.0	0.0		
7							0.0		
8							0.0		
9	NA	S-3	8-9.7	70	NA	0.0	0.0		
10							0.0	Refusal @ 9.7'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-8

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Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-9

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 9.7'
Borehole Diameter: 2.25"
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							0.0	Grass and Topsoil	
2	NA	S-1	0-4	40	NA	0.0	0.0	Tan, Silt & Gravel, moist (FILL)	
3							0.0		
4							0.0		
5							0.0	Tan, SILT, little Sand and rounded Gravel, moist	
6	NA	S-2	4-8	80	NA	0.0	0.0		
7							0.0		
8							0.0		
9	NA	S-3	8-9.7	100	NA	0.0	0.0		
10							0.0		
11								Refusal @ 9.7'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-9

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Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
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DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-10

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 9.5'
Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Wet soil at 9.2'

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	Grass and Topsoil	
2	NA	S-1	0-4	90	NA	0.0	0.0	Brown, SILT, trace Clay and Gravel, dry	
3							0.0		
4							0.0		
5							0.0	...Tan, SILT, trace Gravel, moist	
6	NA	S-2	4-8	90	NA	0.0	0.0		
7							0.0		
8							0.0		
9	NA	S-3	8-9.5	100	NA	0.0	0.0	Silty SAND, some Gravel, wet @ 9.2'	
10							0.0	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) PID readings are referenced to an isobutylene standard measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-10

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Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
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DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-11

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 9.2'
Borehole Diameter: 2.25"
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							0.0	Grass and Topsoil	
2	NA	S-1	0-4	80	NA	0.0	0.0	Tan, Silt & Gravel, trace Brick & Cinder (FILL)	
3							0.0		
4							0.0		
5							0.0	Tan, SILT, little Sand, trace Gravel, moist	
6	NA	S-2	4-8	90	NA	0.0	0.0		
7							0.0		
8							0.0		
9	NA	S-3	8-9.2	100	NA	0.0	0.0		
10								Refusal @ 9.2'	
11									
12									
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-11

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Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
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DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-12

Ground Elevation: NA Datum: NA
Date Started: 9/24/2015 Date Ended: 9/24/2015
Borehole Depth: 8.8' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Wet Soil @ 7.5'

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								Grass and Topsoil	
1							0.0		
2	NA	S-1	0-4	60	NA	0.0	0.0	Brown, SILT, trace Organics, moist	
3							0.0		
4							0.0		
5							0.0		
6	NA	S-2	4-8	90	NA	0.0	0.0		
7							0.0		
8							0.0	...moist/wet	
	NA	S-3	8-8.8	90	NA	696	525		**Black staining and petroleum-type odor at 8.5'**
9								Refusal @ 8.8'	
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.
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4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-12

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Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-13

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 9.2'
Borehole Diameter: 2.25"
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							0.0	Grass and Topsoil	
2	NA	S-1	0-4	60	NA	0.0	0.0	Brown, Silt & Gravel, moist (FILL)	
3							0.0		
4							0.0		
5							0.0	Tan, SILT, little Sand, trace rounded Gravel, moist	
6	NA	S-2	4-8	50	NA		0.0		
7						201	123		**Petroleum-type odor at 6.5'**
8							131		
9	NA	S-3	8-9.2	100	NA	241	168		
10								Refusal @ 9.2'	
11									
12									
13									
14									
15									
16									

Notes:
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2) Stratification lines represent approximate boundaries. Transitions may be gradual.
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4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-13

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Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-14

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 9.4'
Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Wet soil @ 9.2'

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	Grass and Topsoil	
2	NA	S-1	0-4	30	NA	0.0	0.0	Brown, Silt, little Clay, little Wood & Gravel (FILL)	
3							0.0	...Dolomite rock fragments (FILL)	
4							0.0		
5							0.0	Light Brown, SILT, little Clay, trace Sand and Gravel, moist	
6	NA	S-2	4-8	75	NA	0.0	0.0		
7							0.0		
8							0.0		
9	NA	S-3	8-9.4	100	NA	0.0	0.0	Gray/Brown, SAND and GRAVEL, little Silt, wet @ 9.2'	
10								Refusal @ 9.4'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-14

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Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Test Boring TB-15

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 9.2'
Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Wet soil @ 6.0'

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	Grass and Topsoil	
								Brown, Silt, trace Roots (FILL)	
2	NA	S-1	0-4	50	NA	0.0	0.0	Tan, fine Sand (FILL)	
3							0.0		
4							0.0		
5							0.0	Brown, SILT, little Clay, moist/wet	
6	NA	S-2	4-8	75	NA	0.0	0.0		
7							1.3		
8							2.9		
9	NA	S-3	8-9.2	100	NA	0.0	0.0	...SILT, little rounded Gravel	
10								Refusal @ 9.2'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-15

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Test Boring TB-16

Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Geoprobe Direct-Push

Ground Elevation: NA
Datum: NA
Date Started: 9/24/2015
Date Ended: 9/24/2015
Borehole Depth: 9.8'
Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date): Wet Soil @ 9.0'

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	90	NA	0.0	0.0	Grass and Topsoil	
2							0.0	Brown, SILT, little Sand, moist	
3							0.0		
4							0.0	Light Brown, SAND, some Silt, moist	
5	NA	S-2	4-8	100	NA	0.0	0.0	Brown, SILT, some Sand, trace Gravel	
6							0.0		
7							0.0	...very moist @ 7'	
8	NA	S-3	8-9.8	100	NA	0.0	0.0		
9							0.0	...wet @ 9' ...Light Brown, dense, very moist	
10								Refusal @ 9.8'	
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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAEequipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring TB-16

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Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Rotary, 4.25" HSA, HQ Core

Test Boring MW-1

Curb Box Elev.: 529.80' Datum: City of Rochester
Date Started: 10/6/2015 Date Ended: 10/6/2015
Borehole Depth: 14.3' Borehole Diameter: 8"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 7.89' (10-23-2015)

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	S-1	0-2	70	9	NA	0.0	6" Topsoil and Grass	
	4							Reworked Brown Silt, little Coal and Sand, moist (FILL)	
	5						0.0		
2	7								
	4	S-2	2-4	5	9	NA	0.0	Brown SILT	
3	5								
	4						0.0		
4	4								
	1	S-3	4-6	75	5	NA	0.0	...little Sand and Clay, moist	
5	2								
	3						0.0		
6	5								
	3	S-4	6-8	100	12		0.0	...little Sand, trace Clay and Gravel	
7	4								
	8						0.0	Gray/Black staining at 7.0' to 8.7'	
8	11					2803	268		
	15	S-5	8-8.7	100	NA	1406	201	...some Sand and Gravel, moist, gray dolostone in bottom of spoon	
9	50/2						256		
								auger to 9.0' (SS refusal 8.7')	
10									
								Gray DOLOSTONE (ERAMOSA)	
11	NA	C-1	9-14.3	100	71.7	NA		some diagonal & vertical fractures	
								some striations and partings intermittent throughout	
12									
13									
14									
								Bottom of Hole @ 14.3'	
15									
16									



~ 20 gal. water lost during coring

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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAE equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-1

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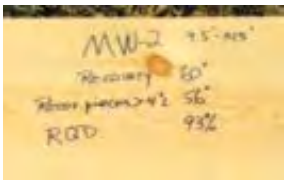
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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Rotary, 4.25" HSA, HQ Core

Test Boring MW-2

Curb Box Elev.: 529.60' Datum: City of Rochester
Date Started: 10/7/2015 Date Ended: 10/7/2015
Borehole Depth: 14.5' Borehole Diameter: 8"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 9.52' (10-23-2015)

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	7	S-1	0-2	60	20	0.0	0.0	Grass and Topsoil	
	9							Gray/Brown, Silt and Gravel, Dry (FILL)	
	11						0.0		
2	12								
	7	S-2	2-4	0	12	NA	NA		**No Recovery, rock in tip of spoon**
3	8								
	4								
4	4								
	1	S-3	4-6	30	6	0.0	0.0		
5	3							...3" seam Coal (FILL)	
	3						0.0		
6	4								
	3	S-4	6-8	30	9	0.0	0.0	Tan SILT, little rounded Gravel, moist	
7	4								
	5						0.0		
8	10								
	8	S-5	8-9.4	50	NA	152	NA	Gray, petroleum odor	
9	15								
	50/4								
10	NA	C-1	9.5-14.5	100	93	NA		Gray DOLOSTONE	
11									
								some horizontal fractures	
12									
13									
14									
15								Bottom of Hole @ 14.5'	
16									**~ 20 gal. water lost during coring**





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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAE equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-2

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Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Rotary, 4.25" HSA, HQ Core

Test Boring MW-3

Curb Box Elev.: 529.15' Datum: City of Rochester
Date Started: 10/7/2015 Date Ended: 10/7/2015
Borehole Depth: 13.8' Borehole Diameter: 8"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 9.04' (10-23-2015)

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	S-1	0-2	40	4	1.2	0.0	Grass and Silt Topsoil	
	2								
	2						0.0	Brown Silt, trace Sand, Gravel and Ash, moist (FILL)	
2	3								
3	2	S-2	2-4	15	2	0.6	0.0	Dark Brown Silt, moist (FILL)	
	1								
	1						0.0		
4	2								
5	2	S-3	4-6	75	9	0.9	0.0	Light Brown SILT, some Sand, trace Gravel, moist	
	2								
	7						0.0		
6	9								
7	9	S-4	6-8	80	26		1.5		
	11						2.1	...wet @ 7.0'	
	15					462	32.6		
8	15							Gray staining and petroleum odor @ 7.9'	
	10	S-5	8-8.8	100	NA	1659	233	...moist, Gray SILT, some Sand, little Gravel, trace Clay	
9	50/3						124	SS refusal @ 8.8'	
10		C-1	8.8-13.8	100	78.3	NA		Gray DOLOSTONE	
11								some horizontal & diagonal fractures	
12									
13									
14								Bottom of Hole @ 13.8'	
15									
16									



~ 20 gal. water lost during coring

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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAE equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-3

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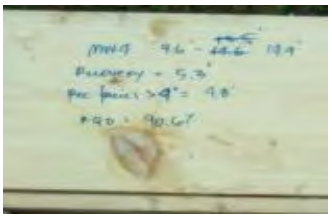
Project #: 5136S-15
Project Address: 121 - 123 Reynolds Street
Rochester, New York
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling
Sampling Method: Rotary, 4.25" HSA, HQ Core

Test Boring MW-4

Page 1 of 1

Curb Box Elev.: 529.55 Datum: City of Rochester
Date Started: 10/6/2015 Date Ended: 10/6/2015
Borehole Depth: 14.9' Borehole Diameter: 8"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): 9.38' (10-23-2015)

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	3 6 6 5	S-1	0-2	10	12	0.0	0.0 0.0	Grass and Topsoil Brown Silt and Gravel, moist (FILL)	
2 3	3 5 4 4	S-2	2-4	50	9	0.0	0.0 0.0	Tan Silt and Sand, moist (FILL)	
4 5	4 4 4 5	S-3	4-6	60	8	0.0	0.0 0.0	Tan SILT, little rounded Gravel, moist	
6 7	4 5 6 9	S-4	6-8	70	11	0.0	0.0 0.0		
8 9	5 11 50/1	S-5	8-9.5	70	NA	0.0	0.0		
10 11 12 13 14 15		C-1	9.6-14.9	100	90.6	NA		Auger Refusal 9.6'	
16								Bottom of Hole @ 14.9'	





- Gravel zone @ ~13.5' fell into zone.

~ 10 gal. water lost during coring

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 measured in the headspace above the sample using a MiniRae 2000 or PPB RAE equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

Test Boring MW-4

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MONITORING WELL CONSTRUCTION DIAGRAM

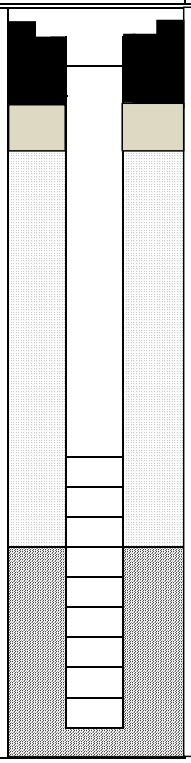
Project #: 5136S-15
Project Address: 121-123 Reynolds Street
Rochester, NY
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling

MONITORING WELL MW-1

Curb Box Elevation: 529.80' Datum: City of Rochester
Date Started: 10/6/2015 Date Ended: 10/6/2015

Water Level (Date): 7.89' (10-23-2015)

Refer to Test Boring Log MW-1 for Soil Description



← Flush Mounted Roadbox
0.6 Depth to top of PVC Casing (ft)
1.0 Depth to Top of Cement-Bentonite Seal / Bottom of Cement (ft)
3.0 Depth to Top of Sand / Bottom of Cement-Bentonite Seal (ft)
8 Diameter of Borehole to Top of Bedrock (in)
2 Diameter of PVC Casing (in)
Backfill Type Sand
4.0 Depth to Top of PVC Screen (ft)
9.0 Depth to Top of Bedrock (ft)
3.78 Diameter of Rock Core (in)
14.0 Depth to Bottom of PVC Screen (ft)
14.3 Depth to Bottom of Rock Core (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-1

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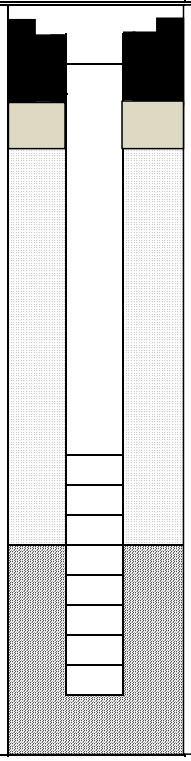
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 5136S-15
Project Address: 121-123 Reynolds Street
Rochester, NY
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling

MONITORING WELL MW-2

Curb Box Elevation: 529.60' Datum: City of Rochester
Date Started: 10/7/2015 Date Ended: 10/7/2015
Water Level (Date): 9.52' (10-23-2015)

Refer to Test Boring Log MW-2 for Soil Description



← Flush Mounted Roadbox
0.4 Depth to top of PVC Casing (ft)
1.5 Depth to Top of Cement-Bentonite Seal / Bottom of Cement (ft)
2.5 Depth to Top of Sand / Bottom of Cement-Bentonite Seal (ft)
8 Diameter of Borehole to Top of Bedrock (in)
2 Diameter of PVC Casing (in)
Backfill Type Sand
3.0 Depth to Top of PVC Screen (ft)
9.5 Depth to Top of Bedrock (ft)
3.78 Diameter of Rock Core (in)
13.0 Depth to Bottom of PVC Screen (ft)
14.5 Depth to Bottom of Rock Core (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-2

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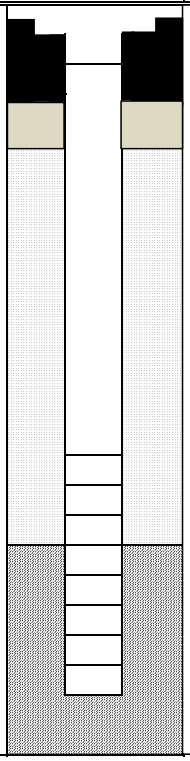
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 5136S-15
Project Address: 121-123 Reynolds Street
Rochester, NY
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling

MONITORING WELL MW-3

Curb Box Elevation: 529.15' Datum: City of Rochester
Date Started: 10/7/2015 Date Ended: 10/7/2015
Water Level (Date): 9.04' (10-23-2015)

Refer to Test Boring Log MW-3 for Soil Description



← Flush Mounted Roadbox
0.45 Depth to top of PVC Casing (ft)
1.0 Depth to Top of Cement-Bentonite Seal / Bottom of Cement (ft)
2.0 Depth to Top of Sand / Bottom of Cement-Bentonite Seal (ft)
8 Diameter of Borehole to Top of Bedrock (in)
2 Diameter of PVC Casing (in)
Backfill Type Sand
2.2 Depth to Top of PVC Screen (ft)
8.8 Depth to Top of Bedrock (ft)
3.78 Diameter of Rock Core (in)
12.2 Depth to Bottom of PVC Screen (ft)
13.8 Depth to Bottom of Rock Core (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-3

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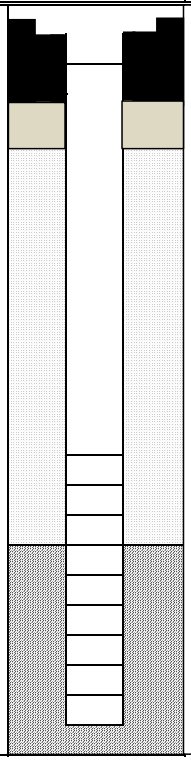
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 5136S-15
Project Address: 121-123 Reynolds Street
Rochester, NY
DAY Representative: D. Peck
Drilling Contractor: Nothnagle Drilling

MONITORING WELL MW-4

Curb Box Elevation: 529.55' Datum: City of Rochester
Date Started: 10/6/2015 Date Ended: 10/6/2015
Water Level (Date): 9.38' (10-23-2015)

Refer to Test Boring Log MW-4 for Soil Description



← Flush Mounted Roadbox
0.45 Depth to top of PVC Casing (ft)
1.0 Depth to Top of Cement-Bentonite Seal / Bottom of Cement (ft)
3.0 Depth to Top of Sand / Bottom of Cement-Bentonite Seal (ft)
8 Diameter of Borehole to Top of Bedrock (in)
2 Diameter of PVC Casing (in)
Backfill Type Sand
3.5 Depth to Top of PVC Screen (ft)
9.6 Depth to Top of Bedrock (ft)
3.78 Diameter of Rock Core (in)
13.5 Depth to Bottom of PVC Screen (ft)
14.9 Depth to Bottom of Rock Core (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-4

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APPENDIX D

Well Development Logs and Well Sampling Logs

WELL DEVELOPMENT DATA
MW- 1

SITE LOCATION: 121-123 Reynolds St., Rochester, NY JOB#: 5136S-15

DATE/ TIME	10-15-15/1320	10-15-15/1330	10-15-15/1345	10-15-15/1405	10-15-15/1430	10-15-15/1450	10-15-15/1515	10-15-15/1545
EVACUATION METHOD	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump
PID/FID (PPM)	278							
DEPTH OF WELL (FT)	13.60					13.61		
STATIC WATER LEVEL (SWL) FT	7.95	10.25	10.41	10.89	9.68	12.25	11.87	10.50
VOLUME EVACUATED (GAL)	0.0	3.0	2.0	2.5	2.5	2.5	2.5	2.5
TOTAL VOLUME EVACUATED (GAL)	0.0	3.0	5.0	7.5	10.0	12.5	15.0	17.5
TEMPERATURE (^{O}C)	20.44	23.23	26.49	29.04	27.7	25.51	25.86	21.13
pH	6.97	7.21	7.25	7.42	7.40	7.19	7.17	6.69
ORP (mV)	-103	-155	-159	-147	-169	-127	-139	-140
CONDUCTIVITY (ms/cm)	0.647	1.06	1.35	1.39	1.52	0.750	0.814	1.26
TURBIDITY (NTU)	594	816	*	297	49.4	633	140	137
VISUAL OBSERVATION	Slightly Cloudy/Low Odor	Slightly Cloudy/Low Odor	Slightly Cloudy/Low Odor	Slightly Cloudy/Low Odor	Less Cloudy/Low Odor	Less Cloudy/Low Odor	Slightly Cloudy/Low Odor	Slightly 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- 1

SITE LOCATION: 121-123 Reynolds St., Rochester, NY JOB#: 5136S-15

DATE/ TIME	10-15-15/1605	10-15-15/1620	10-15-15/1640					
EVACUATION METHOD	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump					
PID/FID (PPM)								
DEPTH OF WELL (FT)			13.6					
STATIC WATER LEVEL (SWL) FT	11.44	11.82	10.81					
VOLUME EVACUATED (GAL)	2.5	3.0	2.0					
TOTAL VOLUME EVACUATED (GAL)	20.0	23.0	25.0					
TEMPERATURE (^{O}C)	26.27	23.66	22.62					
pH	6.76	7.14	7.36					
ORP (mV)	-114	-100	-137					
CONDUCTIVITY (ms/cm)	1.32	0.812	0.992					
TURBIDITY (NTU)	1000	256	193					
VISUAL OBSERVATION	Slightly Cloudy/Low Odor	Slightly Cloudy/Low Odor	Slightly 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- 2

SITE LOCATION: 121-123 Reynolds St., Rochester, NY JOB#: 5136S-15

DATE/ TIME	10-15-15/1300	10-15-15/1325	10-15-15/1335	10-15-15/1345	10-15-15/1400	10-15-15/1413	10-15-15/1425	10-15-15/1445
EVACUATION METHOD	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump
PID/FID (PPM)	23.5							
DEPTH OF WELL (FT)	12.57							
STATIC WATER LEVEL (SWL) FT	9.52	9.9	9.85	9.81	10.78	9.76	9.98	9.68
VOLUME EVACUATED (GAL)	0.0	3.0	2.0	2.5	2.5	2.5	2.5	2.5
TOTAL VOLUME EVACUATED (GAL)	0.0	3.0	5.0	7.5	10.0	12.5	15.0	17.5
TEMPERATURE (^{O}C)	21.29	20.61	22.53	23.78	22.53	24.19	24.3	26.39
pH	7.16	6.75	7.04	7.19	6.92	7.11	7.36	7.31
ORP (mV)	-98	-102	-153	-139	-105	-155	-191	-177
CONDUCTIVITY (ms/cm)	1.11	0.914	.0876	.0828	1.02	1.19	0.714	1.31
TURBIDITY (NTU)	*	17.9	13.4	7.53	45.7	13.6	17.5	2.41
VISUAL OBSERVATION	Brown Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor	Less Cloudy/Low Odor	Less 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- 2

SITE LOCATION: 121-123 Reynolds St., Rochester NY JOB#: 5136S-15

DATE/ TIME	10-15-15/1505	10-15-15/1530						
EVACUATION METHOD	Gas Powered Pump	Gas Powered Pump						
PID/FID (PPM)								
DEPTH OF WELL (FT)	12.56	12.56						
STATIC WATER LEVEL (SWL) FT	9.68	9.66						
VOLUME EVACUATED (GAL)	2.5	3.5						
TOTAL VOLUME EVACUATED (GAL)	20.0	23.5						
TEMPERATURE (^{O}C)	23.09	25.34						
pH	7.11	6.96						
ORP (mV)	-116	-109						
CONDUCTIVITY (ms/cm)	0.735	1.10						
TURBIDITY (NTU)	24.6	42.7						
VISUAL OBSERVATION	Light Cloudy/Low Odor	Light 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- 3

SITE LOCATION: 121-123 Reynolds St., Rochester, NY JOB#: 5136S-15

DATE/ TIME	10-15-15/0941	10-15-15/1020	10-15-15/1030	10-15-15/1040	10-15-15/1045	10-15-15/1055	10-15-15/1110	10-15-15/1130
EVACUATION METHOD	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump
PID/FID (PPM)	100.1							
DEPTH OF WELL (FT)	11.50							
STATIC WATER LEVEL (SWL) FT	9.01	9.92	9.45	9.54	11.31	11.20	10.85	11.10
VOLUME EVACUATED (GAL)	0.0	2.5	1.5	2.0	1.5	2.0	2.0	2.5
TOTAL VOLUME EVACUATED (GAL)	0.0	2.5	4.0	6.0	7.5	9.5	11.5	14.0
TEMPERATURE (^{O}C)	16.06	19.81	16.14	18.41	19.67	19.07	19.68	20.48
pH	6.49	6.56	6.58	6.58	6.53	6.27	6.66	6.61
ORP (mV)	-9	-153	-128	-141	-131	-102	-108	-92
CONDUCTIVITY (ms/cm)	1.38	1.23	1.10	1.32	0.453	0.491	0.981	0.830
TURBIDITY (NTU)	*	*	*	880	795	414	324	1000
VISUAL OBSERVATION	Cloudy/Low Odor	Cloudy/Low Odor	Less Cloudy/Low Odor	Less Cloudy/Low Odor	Less Cloudy/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- 3

SITE LOCATION: 121-123 Reynolds St., Rochester, NY JOB#: 5136S-15

DATE/ TIME	10-15-15/1150	10-15-15/1200	10-15-15/1225	10-15-15/1235				
EVACUATION METHOD	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump				
PID/FID (PPM)								
DEPTH OF WELL (FT)		11.51		11.51				
STATIC WATER LEVEL (SWL) FT	10.80	11.30	10.66	11.50				
VOLUME EVACUATED (GAL)	2.0	2.0	2.0	3.0				
TOTAL VOLUME EVACUATED (GAL)	16.0	18.0	20.0	23.0				
TEMPERATURE (^{O}C)	22.18	20.91	20.97	20.41				
pH	6.94	6.65	6.77	6.78				
ORP (mV)	-140	-98	-95	-86				
CONDUCTIVITY (ms/cm)	1.28	1.03	1.03	.0669				
TURBIDITY (NTU)	153	165	395	690				
VISUAL OBSERVATION	Clear /Low Odor	Low Cloudy/Low Odor	Low Cloudy/Low Odor	Low 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- 4

SITE LOCATION: 121-123 Reynolds St., Rochester, NY JOB#: 5136S-15

DATE/ TIME	10-15-15/1045	10-15-15/1048	10-15-15/1050	10-15-15/1100	10-15-15/1112	10-15-15/1120	10-15-15/1130	10-15-15/1145
EVACUATION METHOD	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump
PID/FID (PPM)	64.3							
DEPTH OF WELL (FT)	12.92							
STATIC WATER LEVEL (SWL) FT	9.36	10.75	12.15	11.98	11.25	10.6	9.55	11.25
VOLUME EVACUATED (GAL)	0.0	2.5	1.5	1.0	2.5	2.5	2.0	2.0
TOTAL VOLUME EVACUATED (GAL)	0.0	2.5	4.0	5.0	7.5	10.0	12.0	14.0
TEMPERATURE (^{O}C)	19.18	18.6	17.36	20.19	19.93	19.45	21.54	19.07
pH	6.60	6.56	6.60	6.67	6.69	6.78	6.75	6.92
ORP (mV)	-131	-155	-137	-162	-161	-132	-115	-151
CONDUCTIVITY (ms/cm)	1.27	1.12	1.17	1.12	0.693	1.49	0.850	1.54
TURBIDITY (NTU)	*	*	*	*	719	952	*	394
VISUAL OBSERVATION	Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/Low Odor	Slightly Cloudy/Low Odor	Cloudy/Low Odor	Cloudy/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- 4

SITE LOCATION: 121-123 Reynolds St., Rochester, NY JOB#: 5136S-15

DATE/ TIME	10-15-15/1155	10-15-15/1215	10-15-15/1245	10-15-15/1255				
EVACUATION METHOD	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump	Gas Powered Pump				
PID/FID (PPM)								
DEPTH OF WELL (FT)	12.92			12.91				
STATIC WATER LEVEL (SWL) FT	10.70	10.05	9.92	11.15				
VOLUME EVACUATED (GAL)	2.0	2.0	2.0	4.5				
TOTAL VOLUME EVACUATED (GAL)	16.0	18.0	20.0	24.5				
TEMPERATURE (^{O}C)	20.33	20.31	20.59	19.21				
pH	6.93	6.67	7.08	7.14				
ORP (mV)	-137	-100	-124	-104				
CONDUCTIVITY (ms/cm)	1.13	1.02	0.865	0.891				
TURBIDITY (NTU)	353	26.0	12.6	15.2				
VISUAL OBSERVATION	Slightly Cloudy/Low Odor	Slightly Cloudy/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

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-1

SECTION 1 - SITE INFORMATION

SITE LOCATION: 121-123 Reynolds Street **JOB #:** 5136S-15

Rochester, New York **DATE :** 10-23-2015

SAMPLE COLLECTOR(S): D. Peck

WEATHER CONDITIONS: Sunny, 50-55° F **PID IN WELL (PPM)**: N/M **LNAPL** ND **DNAPL** N/M

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 13.60 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 7.89 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 5.71 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.93 **CASING DIA.:** 2”

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾” (0.0625)	0.023
1” (0.0833)	0.041
1¼” (0.1041)	0.063
2” (0.1667)	0.1632
3” (0.250)	0.380
4” (0.3333)	0.6528
4½” (0.375)	0.826
6” (0.5000)	1.4688
8” (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 2.8 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 3.0

PURGE METHOD: Gas pump and dedicated tubing **PURGE START:** 1040 **END:** 1050

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
026-MW-1	10-23-2015 / 1152	Bailer	TCL & STARS/CP-51 VOCs (Method 8260)

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (S/m)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
8.10	15.7	7.09	0.15	59	3.75	-26	Clear

N/M = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-2

SECTION 1 - SITE INFORMATION

SITE LOCATION: 121-123 Reynolds Street **JOB #:** 5136S-15

Rochester, New York **DATE :** 10-23-2015

SAMPLE COLLECTOR(S): D. Peck

WEATHER CONDITIONS: Sunny, 50-55° F **PID IN WELL (PPM)**: N/M **LNAPL** ND **DNAPL** N/M

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 12.56 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 9.52 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 3.04 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.5 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 1.5 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 1.5

PURGE METHOD: Gas pump and dedicated tubing **PURGE START:** 1000 **END:** 1010

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
027-MW-2	10-23-2015 / 1142	Bailer	TCL & STARS/CP-51 VOCs (Method 8260)

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (S/m)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
9.56	15.0	7.27	0.155	90.8	1.84	-47	Clear

N/M = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-3

SECTION 1 - SITE INFORMATION

SITE LOCATION: 121-123 Reynolds Street **JOB #:** 5136S-15

Rochester, New York **DATE :** 10-23-2015

SAMPLE COLLECTOR(S): D. Peck

WEATHER CONDITIONS: Sunny, 50-55° F **PID IN WELL (PPM)**: N/M **LNAPL** ND **DNAPL** N/M

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 11.51 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 9.04 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 2.47 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.4 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 1.2 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 1.5

PURGE METHOD: Gas pump and dedicated tubing **PURGE START:** 1030 **END:** 1040

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
028-MW-3	10-23-2015 / 1125	Bailer	TCL & STARS/CP-51 VOCs (Method 8260)

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (S/m)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
9.07	15.3	7.33	0.128	114	1.81	-39	Cloudy

N/M = Not Measured
ND = Not Detected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-4

SECTION 1 - SITE INFORMATION

SITE LOCATION: 121-123 Reynolds Street **JOB #:** 5136S-15

Rochester, New York **DATE :** 10-23-2015

SAMPLE COLLECTOR(S): D. Peck

WEATHER CONDITIONS: Sunny, 50-55° F **PID IN WELL (PPM)**: N/M **LNAPL** ND **DNAPL** N/M

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 12.91 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 9.38 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 3.53 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.58 **CASING DIA.:** 2”

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾” (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1” (0.0833)	0.041	
1¼” (0.1041)	0.063	
2” (0.1667)	0.1632	
3” (0.250)	0.380	
4” (0.3333)	0.6528	
4½” (0.375)	0.826	
6” (0.5000)	1.4688	
8” (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 1.7 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 2.0

PURGE METHOD: Gas pump and dedicated tubing **PURGE START:** 1015 **END:** 1025

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
029-MW-4	10-23-2015 / 1113	Bailer	TCL & STARS/CP-51 VOCs (Method 8260)

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (S/m)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
9.45	14.8	7.83	0.164	145	3.69	-50	Clear to cloudy

N/M = Not Measured
ND = Not Detected

APPENDIX E

Analytical Laboratory Reports

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

ANALYTICAL RESULTS SUMMARY

METALS
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : 121 AND 123 REYNOLDS ST.

DAY ENVIRONMENTAL, INC.

Canalside Business Center, 1563 Lyell Avenue

Rochester, NY - 14606

Phone No: 585-454-0210

ORDER ID : G3846

ATTENTION : Jeff Danzinger

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

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2.2) SVOCMS Group1- Case Narrative 13

2.3) Metals-AES- Case Narrative 15

3) VOCMS Group1 Data 16

4) SVOCMS Group1 Data 92

5) Metals-AES Data 148

6) Shipping Document 201

6.1) CHAIN OF CUSTODY 202

6.2) Lab Certificate 205

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
001-TB-1(5-8)	G3846-01	8260B					Chemtech -SOP
002-TB-2(5-8.2)	G3846-02	8260B	8270D				Chemtech -SOP
003-TB-3(5-8.5)	G3846-03	8260B	8270D				Chemtech -SOP
004-TB-4(5-9)	G3846-04	8260B	8270D				Chemtech -SOP
005-TB-5(4-8)	G3846-05	8260B	8270D			6010C, 7471A	Chemtech -SOP
006-TB-6(8-8.8)	G3846-06	8260B	8270D			6010C, 7471A	Chemtech -SOP
007-TB-7(0-4)	G3846-07	8260B	8270D			6010C, 7471A	Chemtech -SOP
008-TB-7(8-9.7)	G3846-08	8260B	8270D			6010C, 7471A	Chemtech -SOP
009-TB-8(0-4)	G3846-09	8260B	8270D			6010C, 7471A	Chemtech -SOP
010-TB-8(8-9.7)	G3846-10	8260B	8270D			6010C, 7471A	Chemtech -SOP
011-TB-9(8-9.7)	G3846-11	8260B	8270D			6010C, 7471A	Chemtech -SOP
012-TB-10(8-9.5)	G3846-12	8260B	8270D			6010C, 7471A	Chemtech -SOP
013-TB-11(0-4)	G3846-13	8260B	8270D			6010C, 7471A	Chemtech -SOP
014-TB-11(8-9.2)	G3846-14	8260B	8270D			6010C, 7471A	Chemtech -SOP
015-TB-12(8-8.8)	G3846-15	8260B	8270D			6010C, 7471A	Chemtech -SOP
016-TB-13(4-8)	G3846-16	8260B	8270D			6010C, 7471A	Chemtech -SOP
017-TB-13(8-9.2)	G3846-17	8260B	8270D			6010C, 7471A	Chemtech -SOP
018-TB-14(8-9.4)	G3846-18	8260B	8270D			6010C, 7471A	Chemtech -SOP
019-TB-15(0-4)	G3846-19	8260B	8270D			6010C, 7471A	Chemtech -SOP
020-TB-15(4-8)	G3846-20	8260B	8270D			6010C, 7471A	Chemtech -SOP
021-TB-16(8-9.8)	G3846-21	8260B	8270D			6010C, 7471A	Chemtech -SOP

CHEMTECH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
G3846-02	SOIL	09/24/15	09/26/15	09/28/15	10/01/15
G3846-05	SOIL	09/24/15	09/26/15	09/28/15	10/01/15
G3846-08	SOIL	09/24/15	09/26/15	09/28/15	10/01/15
G3846-09	SOIL	09/24/15	09/26/15	09/28/15	10/01/15
G3846-13	SOIL	09/24/15	09/26/15	09/28/15	10/01/15
G3846-16	SOIL	09/24/15	09/26/15	09/28/15	10/05/15

*** Details For Test :** SVOCMS Group1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
G3846-01	SOIL	09/24/15	09/26/15		09/28/15
G3846-02	SOIL	09/24/15	09/26/15		09/28/15
G3846-03	SOIL	09/24/15	09/26/15		09/28/15
G3846-04	SOIL	09/24/15	09/26/15		09/28/15
G3846-05	SOIL	09/24/15	09/26/15		09/28/15
G3846-06	SOIL	09/24/15	09/26/15		09/30/15
G3846-08	SOIL	09/24/15	09/26/15		09/28/15
G3846-10	SOIL	09/24/15	09/26/15		09/30/15
G3846-11	SOIL	09/24/15	09/26/15		09/30/15
G3846-12	SOIL	09/24/15	09/26/15		09/30/15
G3846-14	SOIL	09/24/15	09/26/15		09/30/15
G3846-15	SOIL	09/24/15	09/26/15		10/06/15
G3846-17	SOIL	09/24/15	09/26/15		10/06/15
G3846-18	SOIL	09/24/15	09/26/15		09/30/15
G3846-20	SOIL	09/24/15	09/26/15		09/30/15
G3846-21	SOIL	09/24/15	09/26/15		09/30/15

*** Details For Test :** VOCMS Group1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
G3846-01	Solid	8260B	5035		
G3846-02	Solid	8260B	5035		
G3846-03	Solid	8260B	5035		
G3846-04	Solid	8260B	5035		
G3846-05	Solid	8260B	5035		
G3846-06	Solid	8260B	5035		
G3846-08	Solid	8260B	5035		
G3846-10	Solid	8260B	5035		
G3846-11	Solid	8260B	5035		
G3846-12	Solid	8260B	5035		
G3846-14	Solid	8260B	5035		
G3846-15	Solid	8260B	5035		
G3846-17	Solid	8260B	5035		
G3846-18	Solid	8260B	5035		
G3846-20	Solid	8260B	5035		
G3846-21	Solid	8260B	5035		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
G3846-05	SOIL	Mercury	09/26/15	09/28/15	09/29/15
G3846-07	SOIL	Mercury	09/26/15	09/28/15	09/29/15
G3846-09	SOIL	Mercury	09/26/15	09/28/15	09/29/15
G3846-13	SOIL	Mercury	09/26/15	09/28/15	09/29/15
G3846-16	SOIL	Mercury	09/26/15	09/28/15	09/29/15
G3846-19	SOIL	Mercury	09/26/15	09/28/15	09/29/15

*** Details For Test :** Mercury

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
G3846-02	Solid	8270D	3541		
G3846-05	Solid	8270D	3541		
G3846-08	Solid	8270D	3541		
G3846-09	Solid	8270D	3541		
G3846-13	Solid	8270D	3541		
G3846-16	Solid	8270D	3541		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
G3846-05	SOIL	Metals ICP-Group1	09/26/15	09/30/15	09/30/15
G3846-07	SOIL	Metals ICP-Group1	09/26/15	09/30/15	09/30/15
G3846-09	SOIL	Metals ICP-Group1	09/26/15	09/30/15	09/30/15
G3846-13	SOIL	Metals ICP-Group1	09/26/15	09/30/15	09/30/15
G3846-16	SOIL	Metals ICP-Group1	09/26/15	09/30/15	09/30/15
G3846-19	SOIL	Metals ICP-Group1	09/26/15	09/30/15	09/30/15

* Details For Test :Metals ICP-Group1

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : G3846

Project ID : 121 and 123 Reynolds St.

Client : Day Environmental, Inc.

Lab Sample Number	Client Sample Number
G3846-01	001-TB-1(5-8)
G3846-02	002-TB-2(5-8.2)
G3846-03	003-TB-3(5-8.5)
G3846-04	004-TB-4(5-9)
G3846-05	005-TB-5(4-8)
G3846-06	006-TB-6(8-8.8)
G3846-07	007-TB-7(0-4)
G3846-08	008-TB-7(8-9.7)
G3846-09	009-TB-8(0-4)
G3846-10	010-TB-8(8-9.7)
G3846-11	011-TB-9(8-9.7)
G3846-12	012-TB-10(8-9.5)
G3846-13	013-TB-11(0-4)
G3846-14	014-TB-11(8-9.2)
G3846-15	015-TB-12(8-8.8)
G3846-16	016-TB-13(4-8)
G3846-17	017-TB-13(8-9.2)
G3846-18	018-TB-14(8-9.4)
G3846-19	019-TB-15(0-4)
G3846-20	020-TB-15(4-8)
G3846-21	021-TB-16(8-9.8)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

Date: 10/9/2015

By Mildred V Reyes, QAQC Supervisor at 3:39 pm, Oct 14, 2015

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Day Environmental, Inc.
Project Name: 121 and 123 Reynolds St.
Project # N/A
Chemtech Project # G3846
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 09/26/2015.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000), TEKMAR LSC-2000 Concentrator. The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator. The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis of VOCMS Group1 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis except for reanalysis of sample 006-TB-6(8-8.8). Re-analysis sample was analyzed one day out of holding time. First analysis is within holding time.
The Surrogate recoveries met the acceptable criteria except for 005-TB-5(4-8) [4-Bromofluorobenzene - 217%], 006-TB-6(8-8.8)RE [1,2-Dichloroethane-d4 - 124%] and 015-TB-12(8-8.8) [4-Bromofluorobenzene - 194%].
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {G3897-02MS} with File ID: VH057209.D recoveries met the requirements for all compounds except for Naphthalene[150%] .
The MSD {G3897-03MSD} with File ID: VH057210.D recoveries met the acceptable requirements except for Naphthalene[152%] .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

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The %RSD is greater than 15% in the Initial Calibration (Method 82D091815S.M) for Naphthalene this compound is passing on Linear regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82F091615S.M) for Naphthalene, this compound is passing on Linear regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82H100515W.M) for Naphthalene, this compound is passing on Linear regression.
The Continuous Calibration File ID VD046887.D met the requirements except for Dibromofluoromethane, Toluene-d8 and 4-Bromofluorobenzene but they were not detected in any samples.
The Continuous Calibration File ID VD047100.D met the requirements except for Naphthalene, 1,2-Dichloroethane-d4 and 4-Bromofluorobenzene but they were not detected in any samples.
The Continuous Calibration File ID VH057193.D met the requirements except for 1,2-Dichloroethane-d4 and 4-Bromofluorobenzene but they were not detected in any samples.
The Tuning criteria met requirements.
Samples 005-TB-5(4-8), 005-TB-5(4-8)ME, 015-TB-12(8-8.8) and 017-TB-13(8-9.2) were diluted due to high concentrations of non-target analytes hydrocarbon,due to this interference last surrogated was biased high. Therefore this sample was reported as final run.

E. Additional Comments:
Sample 015-TB-12(8-8.8) and sample 017-TB-13(8-9.2) analyzed as methanol dilution, due to bas matrix. Soil analysis was not possible both samples. Sample 015-TB-12(8-8.8) has high concentration of non-target analytes.
Sample 006-TB-6(8-8.8) failed for surrogate were analyzed and confirmed for the failure.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

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above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

APPROVED
By Mildred V Reyes, QAQC Supervisor at 3:39 pm, Oct 14, 2015

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CASE NARRATIVE

Day Environmental, Inc.
Project Name: 121 and 123 Reynolds St.
Project # N/A
Chemtech Project # G3846
Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 09/26/2015.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1 and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um df. The analysis of SVOCMS Group1 was based on method 8270D and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for 016-TB-13(4-8) [Nitrobenzene-d5 - 246%], 016-TB-13(4-8)DL [Nitrobenzene-d5 – 167%].
The Internal Standards Areas met the acceptable requirements except for 016-TB-13(4-8).
Sample failed for internal and surrogate was reanalyzed at dilution.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD for {G3827-04MSD} with File ID: BF082028.D recoveries met criteria except for Chrysene [23%].
he Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF092815.M) for Fluorene, Phenanthrene these compounds are passing on Linear regression while 2-Fluorobiphenyl, Terphenyl-d14, Chrysene these compounds are passing on Quadratic regression.
The Continuous Calibration File ID BF081876.D met the requirements except for 2-Fluorophenol .
The Continuous Calibration File ID BF081894.D met the requirements except for Fluoranthene .

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The Continuous Calibration File ID BF081911.D met the requirements except for Terphenyl-d14 .
The Continuous Calibration File ID BF082052.D met the requirements except for Terphenyl-d14 .
The Tuning criteria met requirements.

Samples 009-TB-8(0-4) was diluted due to bad matrix.
Sample 016-TB-13(4-8) was diluted due to high concentration.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__ Mildred V Reyes ____

APPROVED
By Mildred V Reyes, QAQC Supervisor at 3:39 pm, Oct 14, 2015

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CASE NARRATIVE

Day Environmental, Inc.
Project Name: 121 and 123 Reynolds St.
Project # N/A
Chemtech Project # G3846
Test Name: Mercury,Metals ICP-Group1

A. Number of Samples and Date of Receipt:
21 Solid samples were received on 09/26/2015.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals Group1, Metals ICP-Group1, SVOCMS Group1 and VOCMS Group1. This data package contains results for Mercury,Metals ICP-Group1.

C. Analytical Techniques:
The analysis of Metals ICP-Group1 was based on method 6010C, digestion based on method 3050 (soils). The analysis of Mercury was based on method 7471A and digestion was based on method 7471B (soils).

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike(019-TB-15(0-4)MS) analysis met criteria for all samples except for Barium and Selenium.
The Matrix Spike Duplicate(019-TB-15(0-4)MSD) analysis met criteria for all samples except for Barium and Selenium.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution(019-TB-15(0-4)L) met criteria for all samples except for Chromium.

E. Additional Comments:

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Signature___ Mildred V Reyes ___

APPROVED
By Mildred V Reyes, QAQC Supervisor at 3:39 pm, Oct 14, 2015

LAB CHRONICLE

OrderID:	G3846	**OrderDate:**	9/28/2015 9:11:53 AM
Client:	Day Environmental, Inc.	**Project:**	121 and 123 Reynolds St.
Contact:	Jeff Danzinger	**Location:**	N43

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G3846-01	**001-TB-1(5-8)**	**SOIL**			**09/24/15**			**09/26/15**
			VOCMS Group1	8260B			09/28/15	
G3846-02	**002-TB-2(5-8.2)**	**SOIL**			**09/24/15**			**09/26/15**
			VOCMS Group1	8260B			09/28/15	
G3846-03	**003-TB-3(5-8.5)**	**SOIL**			**09/24/15**			**09/26/15**
			VOCMS Group1	8260B			09/28/15	
G3846-04	**004-TB-4(5-9)**	**SOIL**			**09/24/15**			**09/26/15**
			VOCMS Group1	8260B			09/28/15	
G3846-05	**005-TB-5(4-8)**	**SOIL**			**09/24/15**			**09/26/15**
			VOCMS Group1	8260B			09/28/15	
G3846-05ME	**005-TB-5(4-8)ME**	**SOIL**			**09/24/15**			**09/26/15**
			VOCMS Group1	8260B			10/06/15	
G3846-05MEDL	**005-TB-5(4-8)MEDL**	**SOIL**			**09/24/15**			**09/26/15**
			VOCMS Group1	8260B			10/06/15	
G3846-06	**006-TB-6(8-8.8)**	**SOIL**			**09/24/15**			**09/26/15**
			VOCMS Group1	8260B			09/30/15	
G3846-06RE	**006-TB-6(8-8.8)RE**	**SOIL**			**09/24/15**			**09/26/15**
			VOCMS Group1	8260B			10/09/15	
G3846-08	**008-TB-7(8-9.7)**	**SOIL**			**09/24/15**			**09/26/15**
			VOCMS Group1	8260B			09/28/15	
G3846-10	**010-TB-8(8-9.7)**	**SOIL**			**09/24/15**			**09/26/15**

LAB CHRONICLE

			VOCMS Group1	8260B		09/30/15	
G3846-11	**011-TB-9(8-9.7)**	**SOIL**			**09/24/15**		**09/26/15**
			VOCMS Group1	8260B		09/30/15	
G3846-12	**012-TB-10(8-9.5)**	**SOIL**			**09/24/15**		**09/26/15**
			VOCMS Group1	8260B		09/30/15	
G3846-14	**014-TB-11(8-9.2)**	**SOIL**			**09/24/15**		**09/26/15**
			VOCMS Group1	8260B		09/30/15	
G3846-15	**015-TB-12(8-8.8)**	**SOIL**			**09/24/15**		**09/26/15**
			VOCMS Group1	8260B		10/06/15	
G3846-17	**017-TB-13(8-9.2)**	**SOIL**			**09/24/15**		**09/26/15**
			VOCMS Group1	8260B		10/06/15	
G3846-17MEDL	**017-TB-13(8-9.2)MEDL**	**SOIL**			**09/24/15**		**09/26/15**
			VOCMS Group1	8260B		10/06/15	
G3846-18	**018-TB-14(8-9.4)**	**SOIL**			**09/24/15**		**09/26/15**
			VOCMS Group1	8260B		09/30/15	
G3846-20	**020-TB-15(4-8)**	**SOIL**			**09/24/15**		**09/26/15**
			VOCMS Group1	8260B		09/30/15	
G3846-21	**021-TB-16(8-9.8)**	**SOIL**			**09/24/15**		**09/26/15**
			VOCMS Group1	8260B		09/30/15	

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Hit Summary Sheet
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**002-TB-2(5-8.2)**								
G3846-02	002-TB-2(5-8.2)	SOIL	n-propylbenzene	1.90	J	0.4	0.55	5.5	ug/Kg
			Total Voc :	1.9					
			Total Concentration:	1.9					
Client ID:	**005-TB-5(4-8)**								
G3846-05	005-TB-5(4-8)	SOIL	Ethyl Benzene	720.00	E	0.59	0.59	5.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	m/p-Xylenes	2,400.00	E	0.86	1.2	11.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	o-Xylene	38.20		0.59	0.59	5.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	Isopropylbenzene	270.00	E	0.57	0.59	5.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	n-propylbenzene	510.00	E	0.43	0.59	5.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	1,3,5-Trimethylbenzene	800.00	E	0.53	0.59	5.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	tert-Butylbenzene	10.80		0.59	0.59	5.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	1,2,4-Trimethylbenzene	1,200.00	E	0.59	0.59	5.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	sec-Butylbenzene	110.00		0.59	0.59	5.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	p-Isopropyltoluene	140.00	E	0.34	0.59	5.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	n-Butylbenzene	280.00	E	0.55	0.59	5.9	ug/Kg
G3846-05	005-TB-5(4-8)	SOIL	Naphthalene	350.00	E	0.53	0.59	5.9	ug/Kg
			Total Voc :	6829					
			Total Concentration:	6829					
Client ID:	**005-TB-5(4-8)ME**								
G3846-05ME	005-TB-5(4-8)ME	SOIL	Ethyl Benzene	3,800.00	D	59	59	590	ug/Kg
G3846-05ME	005-TB-5(4-8)ME	SOIL	m/p-Xylenes	16,100.00	D	84.9	120	1200	ug/Kg
G3846-05ME	005-TB-5(4-8)ME	SOIL	o-Xylene	140.00	JD	59	59	590	ug/Kg
G3846-05ME	005-TB-5(4-8)ME	SOIL	Isopropylbenzene	1,600.00	D	56.6	59	590	ug/Kg
G3846-05ME	005-TB-5(4-8)ME	SOIL	n-propylbenzene	6,100.00	D	42.5	59	590	ug/Kg
G3846-05ME	005-TB-5(4-8)ME	SOIL	1,3,5-Trimethylbenzene	17,000.00	ED	53.1	59	590	ug/Kg
G3846-05ME	005-TB-5(4-8)ME	SOIL	1,2,4-Trimethylbenzene	44,900.00	ED	59	59	590	ug/Kg
G3846-05ME	005-TB-5(4-8)ME	SOIL	sec-Butylbenzene	1,500.00	D	59	59	590	ug/Kg
G3846-05ME	005-TB-5(4-8)ME	SOIL	p-Isopropyltoluene	1,700.00	D	34.2	59	590	ug/Kg
G3846-05ME	005-TB-5(4-8)ME	SOIL	n-Butylbenzene	6,200.00	D	54.2	59	590	ug/Kg
G3846-05ME	005-TB-5(4-8)ME	SOIL	Naphthalene	3,500.00	D	53.1	59	590	ug/Kg
			Total Voc :	102540					
			Total Concentration:	102540					
Client ID:	**005-TB-5(4-8)MEDL**								
G3846-05MEDL	005-TB-5(4-8)MEDL	SOIL	Ethyl Benzene	2,900.00	JD	590	590	5900	ug/Kg
G3846-05MEDL	005-TB-5(4-8)MEDL	SOIL	m/p-Xylenes	13,100.00	D	850	1200	11800	ug/Kg
G3846-05MEDL	005-TB-5(4-8)MEDL	SOIL	Isopropylbenzene	1,700.00	JD	570	590	5900	ug/Kg
G3846-05MEDL	005-TB-5(4-8)MEDL	SOIL	n-propylbenzene	6,300.00	D	420	590	5900	ug/Kg
G3846-05MEDL	005-TB-5(4-8)MEDL	SOIL	1,3,5-Trimethylbenzene	13,500.00	D	530	590	5900	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
G3846-05MEDL	005-TB-5(4-8)MEDL	SOIL	1,2,4-Trimethylbenzene	49,200.00	D	590	590	5900	ug/Kg
G3846-05MEDL	005-TB-5(4-8)MEDL	SOIL	p-Isopropyltoluene	1,800.00	JD	340	590	5900	ug/Kg
G3846-05MEDL	005-TB-5(4-8)MEDL	SOIL	n-Butylbenzene	3,600.00	JD	540	590	5900	ug/Kg
			Total Voc :	92100					
			Total Concentration:	92100					
Client ID:	**008-TB-7(8-9.7)**								
G3846-08	008-TB-7(8-9.7)	SOIL	Ethyl Benzene	24.20		0.58	0.58	5.8	ug/Kg
G3846-08	008-TB-7(8-9.7)	SOIL	m/p-Xylenes	3.50	J	0.83	1.2	11.5	ug/Kg
G3846-08	008-TB-7(8-9.7)	SOIL	Isopropylbenzene	23.80		0.55	0.58	5.8	ug/Kg
G3846-08	008-TB-7(8-9.7)	SOIL	n-propylbenzene	55.20		0.42	0.58	5.8	ug/Kg
G3846-08	008-TB-7(8-9.7)	SOIL	1,3,5-Trimethylbenzene	15.70		0.52	0.58	5.8	ug/Kg
G3846-08	008-TB-7(8-9.7)	SOIL	tert-Butylbenzene	3.00	J	0.58	0.58	5.8	ug/Kg
G3846-08	008-TB-7(8-9.7)	SOIL	1,2,4-Trimethylbenzene	23.00		0.58	0.58	5.8	ug/Kg
G3846-08	008-TB-7(8-9.7)	SOIL	sec-Butylbenzene	21.60		0.58	0.58	5.8	ug/Kg
G3846-08	008-TB-7(8-9.7)	SOIL	p-Isopropyltoluene	49.00		0.33	0.58	5.8	ug/Kg
			Total Voc :	219					
			Total Concentration:	219					
Client ID:	**015-TB-12(8-8.8)**								
G3846-15	015-TB-12(8-8.8)	SOIL	m/p-Xylenes	890.00	J	79.4	110	1100	ug/Kg
G3846-15	015-TB-12(8-8.8)	SOIL	1,3,5-Trimethylbenzene	9,700.00		49.6	55.1	550	ug/Kg
G3846-15	015-TB-12(8-8.8)	SOIL	1,2,4-Trimethylbenzene	10,400.00		55.1	55.1	550	ug/Kg
G3846-15	015-TB-12(8-8.8)	SOIL	p-Isopropyltoluene	4,000.00		32	55.1	550	ug/Kg
			Total Voc :	24990					
			Total Concentration:	24990					
Client ID:	**017-TB-13(8-9.2)**								
G3846-17	017-TB-13(8-9.2)	SOIL	Toluene	130.00	J	56.6	56.6	570	ug/Kg
G3846-17	017-TB-13(8-9.2)	SOIL	m/p-Xylenes	4,500.00		81.6	110	1100	ug/Kg
G3846-17	017-TB-13(8-9.2)	SOIL	o-Xylene	3,200.00		56.6	56.6	570	ug/Kg
G3846-17	017-TB-13(8-9.2)	SOIL	1,3,5-Trimethylbenzene	8,200.00		51	56.6	570	ug/Kg
G3846-17	017-TB-13(8-9.2)	SOIL	1,2,4-Trimethylbenzene	27,400.00	E	56.6	56.6	570	ug/Kg
G3846-17	017-TB-13(8-9.2)	SOIL	p-Isopropyltoluene	3,900.00		32.9	56.6	570	ug/Kg
G3846-17	017-TB-13(8-9.2)	SOIL	Naphthalene	19,600.00	E	51	56.6	570	ug/Kg
			Total Voc :	66930					
			Total Concentration:	66930					
Client ID:	**017-TB-13(8-9.2)MEDL**								
G3846-17MEDL	017-TB-13(8-9.2)MEDL	SOIL	m/p-Xylenes	2,900.00	JD	1600	2300	22700	ug/Kg
G3846-17MEDL	017-TB-13(8-9.2)MEDL	SOIL	o-Xylene	2,500.00	JD	1100	1100	11300	ug/Kg
G3846-17MEDL	017-TB-13(8-9.2)MEDL	SOIL	1,3,5-Trimethylbenzene	7,400.00	JD	1000	1100	11300	ug/Kg
G3846-17MEDL	017-TB-13(8-9.2)MEDL	SOIL	1,2,4-Trimethylbenzene	25,100.00	D	1100	1100	11300	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
G3846-17MEDL	017-TB-13(8-9.2)MEDL	SOIL	Naphthalene	21,600.00	D	1000	1100	11300	ug/Kg
			Total Voc :	59500					
			Total Concentration:	59500					
Client ID:	**018-TB-14(8-9.4)**								
G3846-18	018-TB-14(8-9.4)	SOIL	Naphthalene	9.80		0.51	0.57	5.7	ug/Kg
			Total Voc :	9.8					
			Total Concentration:	9.8					

SAMPLE DATA

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	001-TB-1(5-8)	SDG No.:	G3846
Lab Sample ID:	G3846-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.9
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045512.D	1		09/28/15 18:48	VF092815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.6	U	0.56	0.56	5.6	ug/Kg
71-43-2	Benzene	5.6	U	0.42	0.56	5.6	ug/Kg
108-88-3	Toluene	5.6	U	0.56	0.56	5.6	ug/Kg
100-41-4	Ethyl Benzene	5.6	U	0.56	0.56	5.6	ug/Kg
179601-23-1	m/p-Xylenes	11.1	U	0.8	1.1	11.1	ug/Kg
95-47-6	o-Xylene	5.6	U	0.56	0.56	5.6	ug/Kg
98-82-8	Isopropylbenzene	5.6	U	0.53	0.56	5.6	ug/Kg
103-65-1	n-propylbenzene	5.6	U	0.4	0.56	5.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.6	U	0.5	0.56	5.6	ug/Kg
98-06-6	tert-Butylbenzene	5.6	U	0.56	0.56	5.6	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.6	U	0.56	0.56	5.6	ug/Kg
135-98-8	sec-Butylbenzene	5.6	U	0.56	0.56	5.6	ug/Kg
99-87-6	p-Isopropyltoluene	5.6	U	0.32	0.56	5.6	ug/Kg
104-51-8	n-Butylbenzene	5.6	U	0.51	0.56	5.6	ug/Kg
91-20-3	Naphthalene	5.6	U	0.5	0.56	5.6	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	38.8		56 - 120		78%	SPK: 50
1868-53-7	Dibromofluoromethane	44.3		57 - 135		89%	SPK: 50
2037-26-5	Toluene-d8	43.5		67 - 123		87%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.9		33 - 141		74%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1062200	4.82				
540-36-3	1,4-Difluorobenzene	1511810	5.55				
3114-55-4	Chlorobenzene-d5	1431920	9.71				
3855-82-1	1,4-Dichlorobenzene-d4	683910	12.5				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	002-TB-2(5-8.2)	SDG No.:	G3846
Lab Sample ID:	G3846-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.4
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045513.D	1		09/28/15 19:17	VF092815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.5	U	0.55	0.55	5.5	ug/Kg
71-43-2	Benzene	5.5	U	0.42	0.55	5.5	ug/Kg
108-88-3	Toluene	5.5	U	0.55	0.55	5.5	ug/Kg
100-41-4	Ethyl Benzene	5.5	U	0.55	0.55	5.5	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.79	1.1	11	ug/Kg
95-47-6	o-Xylene	5.5	U	0.55	0.55	5.5	ug/Kg
98-82-8	Isopropylbenzene	5.5	U	0.53	0.55	5.5	ug/Kg
103-65-1	n-propylbenzene	1.9	J	0.4	0.55	5.5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.5	U	0.5	0.55	5.5	ug/Kg
98-06-6	tert-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
135-98-8	sec-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
99-87-6	p-Isopropyltoluene	5.5	U	0.32	0.55	5.5	ug/Kg
104-51-8	n-Butylbenzene	5.5	U	0.51	0.55	5.5	ug/Kg
91-20-3	Naphthalene	5.5	U	0.5	0.55	5.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	36.9		56 - 120		74%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		57 - 135		89%	SPK: 50
2037-26-5	Toluene-d8	39.5		67 - 123		79%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7		33 - 141		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1072420	4.81				
540-36-3	1,4-Difluorobenzene	1569270	5.55				
3114-55-4	Chlorobenzene-d5	1602120	9.72				
3855-82-1	1,4-Dichlorobenzene-d4	805510	12.5				

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LOD = Limit of Detection
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	003-TB-3(5-8.5)	SDG No.:	G3846
Lab Sample ID:	G3846-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.5
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045514.D	1		09/28/15 19:46	VF092815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	6	U	0.6	0.6	6	ug/Kg
71-43-2	Benzene	6	U	0.46	0.6	6	ug/Kg
108-88-3	Toluene	6	U	0.6	0.6	6	ug/Kg
100-41-4	Ethyl Benzene	6	U	0.6	0.6	6	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.87	1.2	12	ug/Kg
95-47-6	o-Xylene	6	U	0.6	0.6	6	ug/Kg
98-82-8	Isopropylbenzene	6	U	0.58	0.6	6	ug/Kg
103-65-1	n-propylbenzene	6	U	0.43	0.6	6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6	U	0.54	0.6	6	ug/Kg
98-06-6	tert-Butylbenzene	6	U	0.6	0.6	6	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	6	U	0.6	0.6	6	ug/Kg
135-98-8	sec-Butylbenzene	6	U	0.6	0.6	6	ug/Kg
99-87-6	p-Isopropyltoluene	6	U	0.35	0.6	6	ug/Kg
104-51-8	n-Butylbenzene	6	U	0.55	0.6	6	ug/Kg
91-20-3	Naphthalene	6	U	0.54	0.6	6	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	39.4		56 - 120		79%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		57 - 135		97%	SPK: 50
2037-26-5	Toluene-d8	45.2		67 - 123		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		33 - 141		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1034370	4.82				
540-36-3	1,4-Difluorobenzene	1435700	5.55				
3114-55-4	Chlorobenzene-d5	1494090	9.71				
3855-82-1	1,4-Dichlorobenzene-d4	676025	12.5				

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MDL = Method Detection Limit
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	004-TB-4(5-9)	SDG No.:	G3846
Lab Sample ID:	G3846-04	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	16.9
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045515.D	1		09/28/15 20:14	VF092815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	6	U	0.6	0.6	6	ug/Kg
71-43-2	Benzene	6	U	0.46	0.6	6	ug/Kg
108-88-3	Toluene	6	U	0.6	0.6	6	ug/Kg
100-41-4	Ethyl Benzene	6	U	0.6	0.6	6	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.86	1.2	12	ug/Kg
95-47-6	o-Xylene	6	U	0.6	0.6	6	ug/Kg
98-82-8	Isopropylbenzene	6	U	0.58	0.6	6	ug/Kg
103-65-1	n-propylbenzene	6	U	0.43	0.6	6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6	U	0.54	0.6	6	ug/Kg
98-06-6	tert-Butylbenzene	6	U	0.6	0.6	6	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	6	U	0.6	0.6	6	ug/Kg
135-98-8	sec-Butylbenzene	6	U	0.6	0.6	6	ug/Kg
99-87-6	p-Isopropyltoluene	6	U	0.35	0.6	6	ug/Kg
104-51-8	n-Butylbenzene	6	U	0.55	0.6	6	ug/Kg
91-20-3	Naphthalene	6	U	0.54	0.6	6	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	37.4		56 - 120		75%	SPK: 50
1868-53-7	Dibromofluoromethane	42		57 - 135		84%	SPK: 50
2037-26-5	Toluene-d8	38.7		67 - 123		77%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.1		33 - 141		70%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1009530	4.82				
540-36-3	1,4-Difluorobenzene	1517860	5.55				
3114-55-4	Chlorobenzene-d5	1478970	9.71				
3855-82-1	1,4-Dichlorobenzene-d4	682525	12.5				

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LOD = Limit of Detection
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J = Estimated Value
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	005-TB-5(4-8)	SDG No.:	G3846
Lab Sample ID:	G3846-05	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.2
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045516.D	1		09/28/15 20:43	VF092815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.9	U	0.59	0.59	5.9	ug/Kg
71-43-2	Benzene	5.9	U	0.45	0.59	5.9	ug/Kg
108-88-3	Toluene	5.9	U	0.59	0.59	5.9	ug/Kg
100-41-4	Ethyl Benzene	720	E	0.59	0.59	5.9	ug/Kg
179601-23-1	m/p-Xylenes	2400	E	0.86	1.2	11.9	ug/Kg
95-47-6	o-Xylene	38.2		0.59	0.59	5.9	ug/Kg
98-82-8	Isopropylbenzene	270	E	0.57	0.59	5.9	ug/Kg
103-65-1	n-propylbenzene	510	E	0.43	0.59	5.9	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	800	E	0.53	0.59	5.9	ug/Kg
98-06-6	tert-Butylbenzene	10.8		0.59	0.59	5.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	1200	E	0.59	0.59	5.9	ug/Kg
135-98-8	sec-Butylbenzene	110		0.59	0.59	5.9	ug/Kg
99-87-6	p-Isopropyltoluene	140	E	0.34	0.59	5.9	ug/Kg
104-51-8	n-Butylbenzene	280	E	0.55	0.59	5.9	ug/Kg
91-20-3	Naphthalene	350	E	0.53	0.59	5.9	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.3		56 - 120		85%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		57 - 135		93%	SPK: 50
2037-26-5	Toluene-d8	40.8		67 - 123		82%	SPK: 50
460-00-4	4-Bromofluorobenzene	110	*	33 - 141		217%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	895771	4.82				
540-36-3	1,4-Difluorobenzene	1338200	5.55				
3114-55-4	Chlorobenzene-d5	825808	9.73				
3855-82-1	1,4-Dichlorobenzene-d4	533693	12.52				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	005-TB-5(4-8)ME	SDG No.:	G3846
Lab Sample ID:	G3846-05ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.2
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057196.D	1		10/06/15 13:00	VH100615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	590	UD	59	59	590	ug/Kg
71-43-2	Benzene	590	UD	44.8	59	590	ug/Kg
108-88-3	Toluene	590	UD	59	59	590	ug/Kg
100-41-4	Ethyl Benzene	3800	D	59	59	590	ug/Kg
179601-23-1	m/p-Xylenes	16100	D	84.9	120	1200	ug/Kg
95-47-6	o-Xylene	140	JD	59	59	590	ug/Kg
98-82-8	Isopropylbenzene	1600	D	56.6	59	590	ug/Kg
103-65-1	n-propylbenzene	6100	D	42.5	59	590	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	17000	ED	53.1	59	590	ug/Kg
98-06-6	tert-Butylbenzene	590	UD	59	59	590	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	44900	ED	59	59	590	ug/Kg
135-98-8	sec-Butylbenzene	1500	D	59	59	590	ug/Kg
99-87-6	p-Isopropyltoluene	1700	D	34.2	59	590	ug/Kg
104-51-8	n-Butylbenzene	6200	D	54.2	59	590	ug/Kg
91-20-3	Naphthalene	3500	D	53.1	59	590	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.7		56 - 120		91%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		57 - 135		108%	SPK: 50
2037-26-5	Toluene-d8	51.5		67 - 123		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		33 - 141		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	864310	4.83				
540-36-3	1,4-Difluorobenzene	1437600	5.55				
3114-55-4	Chlorobenzene-d5	1082430	9.72				
3855-82-1	1,4-Dichlorobenzene-d4	376184	12.49				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	005-TB-5(4-8)MEDL	SDG No.:	G3846
Lab Sample ID:	G3846-05MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	15.2
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057200.D	10		10/06/15 14:54	VH100615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5900	UD	590	590	5900	ug/Kg
71-43-2	Benzene	5900	UD	450	590	5900	ug/Kg
108-88-3	Toluene	5900	UD	590	590	5900	ug/Kg
100-41-4	Ethyl Benzene	2900	JD	590	590	5900	ug/Kg
179601-23-1	m/p-Xylenes	13100	D	850	1200	11800	ug/Kg
95-47-6	o-Xylene	5900	UD	590	590	5900	ug/Kg
98-82-8	Isopropylbenzene	1700	JD	570	590	5900	ug/Kg
103-65-1	n-propylbenzene	6300	D	420	590	5900	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	13500	D	530	590	5900	ug/Kg
98-06-6	tert-Butylbenzene	5900	UD	590	590	5900	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	49200	D	590	590	5900	ug/Kg
135-98-8	sec-Butylbenzene	5900	UD	590	590	5900	ug/Kg
99-87-6	p-Isopropyltoluene	1800	JD	340	590	5900	ug/Kg
104-51-8	n-Butylbenzene	3600	JD	540	590	5900	ug/Kg
91-20-3	Naphthalene	5900	UD	530	590	5900	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.1		56 - 120		82%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		57 - 135		100%	SPK: 50
2037-26-5	Toluene-d8	50		67 - 123		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		33 - 141		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	955651	4.84				
540-36-3	1,4-Difluorobenzene	1655060	5.57				
3114-55-4	Chlorobenzene-d5	1295220	9.73				
3855-82-1	1,4-Dichlorobenzene-d4	351506	12.49				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	006-TB-6(8-8.8)	SDG No.:	G3846
Lab Sample ID:	G3846-06	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.6
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD046902.D	1		09/30/15 19:18	VD093015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.5	U	0.55	0.55	5.5	ug/Kg
71-43-2	Benzene	5.5	U	0.42	0.55	5.5	ug/Kg
108-88-3	Toluene	5.5	U	0.55	0.55	5.5	ug/Kg
100-41-4	Ethyl Benzene	5.5	U	0.55	0.55	5.5	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.79	1.1	11	ug/Kg
95-47-6	o-Xylene	5.5	U	0.55	0.55	5.5	ug/Kg
98-82-8	Isopropylbenzene	5.5	U	0.53	0.55	5.5	ug/Kg
103-65-1	n-propylbenzene	5.5	U	0.4	0.55	5.5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.5	U	0.5	0.55	5.5	ug/Kg
98-06-6	tert-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
135-98-8	sec-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
99-87-6	p-Isopropyltoluene	5.5	U	0.32	0.55	5.5	ug/Kg
104-51-8	n-Butylbenzene	5.5	U	0.51	0.55	5.5	ug/Kg
91-20-3	Naphthalene	5.5	U	0.5	0.55	5.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	62	*	56 - 120		124%	SPK: 50
1868-53-7	Dibromofluoromethane	56.8		57 - 135		114%	SPK: 50
2037-26-5	Toluene-d8	52		67 - 123		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		33 - 141		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	133405	6.32				
540-36-3	1,4-Difluorobenzene	182523	7.44				
3114-55-4	Chlorobenzene-d5	164349	11.58				
3855-82-1	1,4-Dichlorobenzene-d4	86575	13.93				

U = Not Detected
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J = Estimated Value
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	006-TB-6(8-8.8)RE	SDG No.:	G3846
Lab Sample ID:	G3846-06RE	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.6
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD047109.D	1		10/09/15 16:39	VD100915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.5	U	0.55	0.55	5.5	ug/Kg
71-43-2	Benzene	5.5	U	0.42	0.55	5.5	ug/Kg
108-88-3	Toluene	5.5	U	0.55	0.55	5.5	ug/Kg
100-41-4	Ethyl Benzene	5.5	U	0.55	0.55	5.5	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.79	1.1	11	ug/Kg
95-47-6	o-Xylene	5.5	U	0.55	0.55	5.5	ug/Kg
98-82-8	Isopropylbenzene	5.5	U	0.53	0.55	5.5	ug/Kg
103-65-1	n-propylbenzene	5.5	U	0.4	0.55	5.5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.5	U	0.5	0.55	5.5	ug/Kg
98-06-6	tert-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
135-98-8	sec-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
99-87-6	p-Isopropyltoluene	5.5	U	0.32	0.55	5.5	ug/Kg
104-51-8	n-Butylbenzene	5.5	U	0.51	0.55	5.5	ug/Kg
91-20-3	Naphthalene	5.5	U	0.5	0.55	5.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	66.4	*	56 - 120		133%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		57 - 135		91%	SPK: 50
2037-26-5	Toluene-d8	36.9		67 - 123		74%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		33 - 141		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	146354	6.33				
540-36-3	1,4-Difluorobenzene	266084	7.45				
3114-55-4	Chlorobenzene-d5	233551	11.59				
3855-82-1	1,4-Dichlorobenzene-d4	92643	13.94				

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	008-TB-7(8-9.7)	SDG No.:	G3846
Lab Sample ID:	G3846-08	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.2
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045518.D	1		09/28/15 21:40	VF092815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.8	U	0.58	0.58	5.8	ug/Kg
71-43-2	Benzene	5.8	U	0.44	0.58	5.8	ug/Kg
108-88-3	Toluene	5.8	U	0.58	0.58	5.8	ug/Kg
100-41-4	Ethyl Benzene	24.2		0.58	0.58	5.8	ug/Kg
179601-23-1	m/p-Xylenes	3.5	J	0.83	1.2	11.5	ug/Kg
95-47-6	o-Xylene	5.8	U	0.58	0.58	5.8	ug/Kg
98-82-8	Isopropylbenzene	23.8		0.55	0.58	5.8	ug/Kg
103-65-1	n-propylbenzene	55.2		0.42	0.58	5.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	15.7		0.52	0.58	5.8	ug/Kg
98-06-6	tert-Butylbenzene	3	J	0.58	0.58	5.8	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	23		0.58	0.58	5.8	ug/Kg
135-98-8	sec-Butylbenzene	21.6		0.58	0.58	5.8	ug/Kg
99-87-6	p-Isopropyltoluene	49		0.33	0.58	5.8	ug/Kg
104-51-8	n-Butylbenzene	5.8	U	0.53	0.58	5.8	ug/Kg
91-20-3	Naphthalene	5.8	U	0.52	0.58	5.8	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	39.1		56 - 120		78%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		57 - 135		90%	SPK: 50
2037-26-5	Toluene-d8	43.2		67 - 123		86%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		33 - 141		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1069880	4.82				
540-36-3	1,4-Difluorobenzene	1531540	5.55				
3114-55-4	Chlorobenzene-d5	1271820	9.71				
3855-82-1	1,4-Dichlorobenzene-d4	657393	12.5				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	010-TB-8(8-9.7)	SDG No.:	G3846
Lab Sample ID:	G3846-10	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.3
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD046893.D	1		09/30/15 15:17	VD093015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.5	U	0.55	0.55	5.5	ug/Kg
71-43-2	Benzene	5.5	U	0.42	0.55	5.5	ug/Kg
108-88-3	Toluene	5.5	U	0.55	0.55	5.5	ug/Kg
100-41-4	Ethyl Benzene	5.5	U	0.55	0.55	5.5	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.79	1.1	11	ug/Kg
95-47-6	o-Xylene	5.5	U	0.55	0.55	5.5	ug/Kg
98-82-8	Isopropylbenzene	5.5	U	0.53	0.55	5.5	ug/Kg
103-65-1	n-propylbenzene	5.5	U	0.4	0.55	5.5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.5	U	0.5	0.55	5.5	ug/Kg
98-06-6	tert-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
135-98-8	sec-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
99-87-6	p-Isopropyltoluene	5.5	U	0.32	0.55	5.5	ug/Kg
104-51-8	n-Butylbenzene	5.5	U	0.51	0.55	5.5	ug/Kg
91-20-3	Naphthalene	5.5	U	0.5	0.55	5.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.9		56 - 120		100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		57 - 135		101%	SPK: 50
2037-26-5	Toluene-d8	48.2		67 - 123		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49		33 - 141		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	187631	6.33				
540-36-3	1,4-Difluorobenzene	244211	7.46				
3114-55-4	Chlorobenzene-d5	225389	11.6				
3855-82-1	1,4-Dichlorobenzene-d4	112675	13.93				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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D = Dilution
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	011-TB-9(8-9.7)	SDG No.:	G3846
Lab Sample ID:	G3846-11	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.8
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD046894.D	1		09/30/15 15:43	VD093015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.6	U	0.56	0.56	5.6	ug/Kg
71-43-2	Benzene	5.6	U	0.42	0.56	5.6	ug/Kg
108-88-3	Toluene	5.6	U	0.56	0.56	5.6	ug/Kg
100-41-4	Ethyl Benzene	5.6	U	0.56	0.56	5.6	ug/Kg
179601-23-1	m/p-Xylenes	11.1	U	0.8	1.1	11.1	ug/Kg
95-47-6	o-Xylene	5.6	U	0.56	0.56	5.6	ug/Kg
98-82-8	Isopropylbenzene	5.6	U	0.53	0.56	5.6	ug/Kg
103-65-1	n-propylbenzene	5.6	U	0.4	0.56	5.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.6	U	0.5	0.56	5.6	ug/Kg
98-06-6	tert-Butylbenzene	5.6	U	0.56	0.56	5.6	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.6	U	0.56	0.56	5.6	ug/Kg
135-98-8	sec-Butylbenzene	5.6	U	0.56	0.56	5.6	ug/Kg
99-87-6	p-Isopropyltoluene	5.6	U	0.32	0.56	5.6	ug/Kg
104-51-8	n-Butylbenzene	5.6	U	0.51	0.56	5.6	ug/Kg
91-20-3	Naphthalene	5.6	U	0.5	0.56	5.6	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		56 - 120		101%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		57 - 135		104%	SPK: 50
2037-26-5	Toluene-d8	49.6		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		33 - 141		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174623	6.33				
540-36-3	1,4-Difluorobenzene	229461	7.45				
3114-55-4	Chlorobenzene-d5	212608	11.59				
3855-82-1	1,4-Dichlorobenzene-d4	103849	13.94				

U = Not Detected
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	012-TB-10(8-9.5)	SDG No.:	G3846
Lab Sample ID:	G3846-12	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	9.9
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD046895.D	1		09/30/15 16:10	VD093015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.5	U	0.55	0.55	5.5	ug/Kg
71-43-2	Benzene	5.5	U	0.42	0.55	5.5	ug/Kg
108-88-3	Toluene	5.5	U	0.55	0.55	5.5	ug/Kg
100-41-4	Ethyl Benzene	5.5	U	0.55	0.55	5.5	ug/Kg
179601-23-1	m/p-Xylenes	11.1	U	0.8	1.1	11.1	ug/Kg
95-47-6	o-Xylene	5.5	U	0.55	0.55	5.5	ug/Kg
98-82-8	Isopropylbenzene	5.5	U	0.53	0.55	5.5	ug/Kg
103-65-1	n-propylbenzene	5.5	U	0.4	0.55	5.5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.5	U	0.5	0.55	5.5	ug/Kg
98-06-6	tert-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
135-98-8	sec-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
99-87-6	p-Isopropyltoluene	5.5	U	0.32	0.55	5.5	ug/Kg
104-51-8	n-Butylbenzene	5.5	U	0.51	0.55	5.5	ug/Kg
91-20-3	Naphthalene	5.5	U	0.5	0.55	5.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.7		56 - 120		107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		57 - 135		107%	SPK: 50
2037-26-5	Toluene-d8	53.2		67 - 123		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		33 - 141		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164627	6.33				
540-36-3	1,4-Difluorobenzene	216438	7.45				
3114-55-4	Chlorobenzene-d5	199313	11.59				
3855-82-1	1,4-Dichlorobenzene-d4	99068	13.94				

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	014-TB-11(8-9.2)	SDG No.:	G3846
Lab Sample ID:	G3846-14	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.5
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD046896.D	1		09/30/15 16:38	VD093015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.7	U	0.57	0.57	5.7	ug/Kg
71-43-2	Benzene	5.7	U	0.44	0.57	5.7	ug/Kg
108-88-3	Toluene	5.7	U	0.57	0.57	5.7	ug/Kg
100-41-4	Ethyl Benzene	5.7	U	0.57	0.57	5.7	ug/Kg
179601-23-1	m/p-Xylenes	11.5	U	0.82	1.1	11.5	ug/Kg
95-47-6	o-Xylene	5.7	U	0.57	0.57	5.7	ug/Kg
98-82-8	Isopropylbenzene	5.7	U	0.55	0.57	5.7	ug/Kg
103-65-1	n-propylbenzene	5.7	U	0.41	0.57	5.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.7	U	0.52	0.57	5.7	ug/Kg
98-06-6	tert-Butylbenzene	5.7	U	0.57	0.57	5.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.7	U	0.57	0.57	5.7	ug/Kg
135-98-8	sec-Butylbenzene	5.7	U	0.57	0.57	5.7	ug/Kg
99-87-6	p-Isopropyltoluene	5.7	U	0.33	0.57	5.7	ug/Kg
104-51-8	n-Butylbenzene	5.7	U	0.53	0.57	5.7	ug/Kg
91-20-3	Naphthalene	5.7	U	0.52	0.57	5.7	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.3		56 - 120		117%	SPK: 50
1868-53-7	Dibromofluoromethane	57.9		57 - 135		116%	SPK: 50
2037-26-5	Toluene-d8	54.5		67 - 123		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		33 - 141		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	162696	6.33				
540-36-3	1,4-Difluorobenzene	213747	7.45				
3114-55-4	Chlorobenzene-d5	203019	11.59				
3855-82-1	1,4-Dichlorobenzene-d4	100392	13.93				

U = Not Detected
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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D = Dilution
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	015-TB-12(8-8.8)	SDG No.:	G3846
Lab Sample ID:	G3846-15	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	8.9
Sample Wt/Vol:	4.98 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057203.D	1		10/06/15 16:15	VH100615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	550	U	55.1	55.1	550	ug/Kg
71-43-2	Benzene	550	U	41.9	55.1	550	ug/Kg
108-88-3	Toluene	550	U	55.1	55.1	550	ug/Kg
100-41-4	Ethyl Benzene	550	U	55.1	55.1	550	ug/Kg
179601-23-1	m/p-Xylenes	890	J	79.4	110	1100	ug/Kg
95-47-6	o-Xylene	550	U	55.1	55.1	550	ug/Kg
98-82-8	Isopropylbenzene	550	U	52.9	55.1	550	ug/Kg
103-65-1	n-propylbenzene	550	U	39.7	55.1	550	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	9700		49.6	55.1	550	ug/Kg
98-06-6	tert-Butylbenzene	550	U	55.1	55.1	550	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	10400		55.1	55.1	550	ug/Kg
135-98-8	sec-Butylbenzene	550	U	55.1	55.1	550	ug/Kg
99-87-6	p-Isopropyltoluene	4000		32	55.1	550	ug/Kg
104-51-8	n-Butylbenzene	550	U	50.7	55.1	550	ug/Kg
91-20-3	Naphthalene	550	U	49.6	55.1	550	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.4		56 - 120		83%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		57 - 135		99%	SPK: 50
2037-26-5	Toluene-d8	52.8		67 - 123		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	97.2	*	33 - 141		194%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	859568	4.84				
540-36-3	1,4-Difluorobenzene	1512850	5.57				
3114-55-4	Chlorobenzene-d5	1064720	9.72				
3855-82-1	1,4-Dichlorobenzene-d4	389790	12.5				

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D = Dilution
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	017-TB-13(8-9.2)	SDG No.:	G3846
Lab Sample ID:	G3846-17	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.2
Sample Wt/Vol:	4.97 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057208.D	1		10/06/15 19:31	VH100615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	570	U	56.6	56.6	570	ug/Kg
71-43-2	Benzene	570	U	43.1	56.6	570	ug/Kg
108-88-3	Toluene	130	J	56.6	56.6	570	ug/Kg
100-41-4	Ethyl Benzene	570	U	56.6	56.6	570	ug/Kg
179601-23-1	m/p-Xylenes	4500		81.6	110	1100	ug/Kg
95-47-6	o-Xylene	3200		56.6	56.6	570	ug/Kg
98-82-8	Isopropylbenzene	570	U	54.4	56.6	570	ug/Kg
103-65-1	n-propylbenzene	570	U	40.8	56.6	570	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	8200		51	56.6	570	ug/Kg
98-06-6	tert-Butylbenzene	570	U	56.6	56.6	570	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	27400	E	56.6	56.6	570	ug/Kg
135-98-8	sec-Butylbenzene	570	U	56.6	56.6	570	ug/Kg
99-87-6	p-Isopropyltoluene	3900		32.9	56.6	570	ug/Kg
104-51-8	n-Butylbenzene	570	U	52.1	56.6	570	ug/Kg
91-20-3	Naphthalene	19600	E	51	56.6	570	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	37.2		56 - 120		74%	SPK: 50
1868-53-7	Dibromofluoromethane	44.1		57 - 135		88%	SPK: 50
2037-26-5	Toluene-d8	44.3		67 - 123		89%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		33 - 141		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	714450	4.85				
540-36-3	1,4-Difluorobenzene	1280620	5.57				
3114-55-4	Chlorobenzene-d5	973839	9.72				
3855-82-1	1,4-Dichlorobenzene-d4	341357	12.5				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	017-TB-13(8-9.2)MEDL	SDG No.:	G3846
Lab Sample ID:	G3846-17MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.2
Sample Wt/Vol:	4.97 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057202.D	20		10/06/15 15:48	VH100615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	11300	UD	1100	1100	11300	ug/Kg
71-43-2	Benzene	11300	UD	860	1100	11300	ug/Kg
108-88-3	Toluene	11300	UD	1100	1100	11300	ug/Kg
100-41-4	Ethyl Benzene	11300	UD	1100	1100	11300	ug/Kg
179601-23-1	m/p-Xylenes	2900	JD	1600	2300	22700	ug/Kg
95-47-6	o-Xylene	2500	JD	1100	1100	11300	ug/Kg
98-82-8	Isopropylbenzene	11300	UD	1100	1100	11300	ug/Kg
103-65-1	n-propylbenzene	11300	UD	820	1100	11300	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	7400	JD	1000	1100	11300	ug/Kg
98-06-6	tert-Butylbenzene	11300	UD	1100	1100	11300	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	25100	D	1100	1100	11300	ug/Kg
135-98-8	sec-Butylbenzene	11300	UD	1100	1100	11300	ug/Kg
99-87-6	p-Isopropyltoluene	11300	UD	660	1100	11300	ug/Kg
104-51-8	n-Butylbenzene	11300	UD	1000	1100	11300	ug/Kg
91-20-3	Naphthalene	21600	D	1000	1100	11300	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	40.2		56 - 120		80%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		57 - 135		100%	SPK: 50
2037-26-5	Toluene-d8	50		67 - 123		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		33 - 141		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	946311	4.85				
540-36-3	1,4-Difluorobenzene	1627050	5.58				
3114-55-4	Chlorobenzene-d5	1279480	9.72				
3855-82-1	1,4-Dichlorobenzene-d4	341291	12.49				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	018-TB-14(8-9.4)	SDG No.:	G3846
Lab Sample ID:	G3846-18	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	11.9
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD046897.D	1		09/30/15 17:05	VD093015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.7	U	0.57	0.57	5.7	ug/Kg
71-43-2	Benzene	5.7	U	0.43	0.57	5.7	ug/Kg
108-88-3	Toluene	5.7	U	0.57	0.57	5.7	ug/Kg
100-41-4	Ethyl Benzene	5.7	U	0.57	0.57	5.7	ug/Kg
179601-23-1	m/p-Xylenes	11.3	U	0.81	1.1	11.3	ug/Kg
95-47-6	o-Xylene	5.7	U	0.57	0.57	5.7	ug/Kg
98-82-8	Isopropylbenzene	5.7	U	0.54	0.57	5.7	ug/Kg
103-65-1	n-propylbenzene	5.7	U	0.41	0.57	5.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.7	U	0.51	0.57	5.7	ug/Kg
98-06-6	tert-Butylbenzene	5.7	U	0.57	0.57	5.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.7	U	0.57	0.57	5.7	ug/Kg
135-98-8	sec-Butylbenzene	5.7	U	0.57	0.57	5.7	ug/Kg
99-87-6	p-Isopropyltoluene	5.7	U	0.33	0.57	5.7	ug/Kg
104-51-8	n-Butylbenzene	5.7	U	0.52	0.57	5.7	ug/Kg
91-20-3	Naphthalene	9.8		0.51	0.57	5.7	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.3		56 - 120		115%	SPK: 50
1868-53-7	Dibromofluoromethane	56		57 - 135		112%	SPK: 50
2037-26-5	Toluene-d8	53.9		67 - 123		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		33 - 141		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	149369	6.33				
540-36-3	1,4-Difluorobenzene	200637	7.45				
3114-55-4	Chlorobenzene-d5	186797	11.59				
3855-82-1	1,4-Dichlorobenzene-d4	97214	13.94				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	020-TB-15(4-8)	SDG No.:	G3846
Lab Sample ID:	G3846-20	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	12.6
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD046898.D	1		09/30/15 17:31	VD093015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.7	U	0.57	0.57	5.7	ug/Kg
71-43-2	Benzene	5.7	U	0.44	0.57	5.7	ug/Kg
108-88-3	Toluene	5.7	U	0.57	0.57	5.7	ug/Kg
100-41-4	Ethyl Benzene	5.7	U	0.57	0.57	5.7	ug/Kg
179601-23-1	m/p-Xylenes	11.5	U	0.83	1.1	11.5	ug/Kg
95-47-6	o-Xylene	5.7	U	0.57	0.57	5.7	ug/Kg
98-82-8	Isopropylbenzene	5.7	U	0.55	0.57	5.7	ug/Kg
103-65-1	n-propylbenzene	5.7	U	0.41	0.57	5.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.7	U	0.52	0.57	5.7	ug/Kg
98-06-6	tert-Butylbenzene	5.7	U	0.57	0.57	5.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.7	U	0.57	0.57	5.7	ug/Kg
135-98-8	sec-Butylbenzene	5.7	U	0.57	0.57	5.7	ug/Kg
99-87-6	p-Isopropyltoluene	5.7	U	0.33	0.57	5.7	ug/Kg
104-51-8	n-Butylbenzene	5.7	U	0.53	0.57	5.7	ug/Kg
91-20-3	Naphthalene	5.7	U	0.52	0.57	5.7	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.6		56 - 120		113%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		57 - 135		110%	SPK: 50
2037-26-5	Toluene-d8	50.7		67 - 123		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		33 - 141		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143637	6.33				
540-36-3	1,4-Difluorobenzene	190624	7.45				
3114-55-4	Chlorobenzene-d5	176783	11.59				
3855-82-1	1,4-Dichlorobenzene-d4	87108	13.93				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	021-TB-16(8-9.8)	SDG No.:	G3846
Lab Sample ID:	G3846-21	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	13.7
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD046899.D	1		09/30/15 17:58	VD093015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.8	U	0.58	0.58	5.8	ug/Kg
71-43-2	Benzene	5.8	U	0.44	0.58	5.8	ug/Kg
108-88-3	Toluene	5.8	U	0.58	0.58	5.8	ug/Kg
100-41-4	Ethyl Benzene	5.8	U	0.58	0.58	5.8	ug/Kg
179601-23-1	m/p-Xylenes	11.5	U	0.83	1.2	11.5	ug/Kg
95-47-6	o-Xylene	5.8	U	0.58	0.58	5.8	ug/Kg
98-82-8	Isopropylbenzene	5.8	U	0.55	0.58	5.8	ug/Kg
103-65-1	n-propylbenzene	5.8	U	0.42	0.58	5.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.8	U	0.52	0.58	5.8	ug/Kg
98-06-6	tert-Butylbenzene	5.8	U	0.58	0.58	5.8	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.8	U	0.58	0.58	5.8	ug/Kg
135-98-8	sec-Butylbenzene	5.8	U	0.58	0.58	5.8	ug/Kg
99-87-6	p-Isopropyltoluene	5.8	U	0.33	0.58	5.8	ug/Kg
104-51-8	n-Butylbenzene	5.8	U	0.53	0.58	5.8	ug/Kg
91-20-3	Naphthalene	5.8	U	0.52	0.58	5.8	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.1		56 - 120		104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		57 - 135		103%	SPK: 50
2037-26-5	Toluene-d8	48.4		67 - 123		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		33 - 141		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	151533	6.32				
540-36-3	1,4-Difluorobenzene	202787	7.45				
3114-55-4	Chlorobenzene-d5	187064	11.59				
3855-82-1	1,4-Dichlorobenzene-d4	90382	13.93				

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QC SUMMARY

Surrogate Summary

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: SW8260B

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
G3846-01	001-TB-1(5-8)	1,2-Dichloroethane-d4	50	38.77	78		56	120
		Dibromofluoromethane	50	44.33	89		57	135
		Toluene-d8	50	43.46	87		67	123
		4-Bromofluorobenzene	50	36.94	74		33	141
G3846-02	002-TB-2(5-8.2)	1,2-Dichloroethane-d4	50	36.85	74		56	120
		Dibromofluoromethane	50	44.58	89		57	135
		Toluene-d8	50	39.53	79		67	123
		4-Bromofluorobenzene	50	39.71	79		33	141
G3846-03	003-TB-3(5-8.5)	1,2-Dichloroethane-d4	50	39.4	79		56	120
		Dibromofluoromethane	50	48.3	97		57	135
		Toluene-d8	50	45.23	90		67	123
		4-Bromofluorobenzene	50	42.21	84		33	141
G3846-04	004-TB-4(5-9)	1,2-Dichloroethane-d4	50	37.42	75		56	120
		Dibromofluoromethane	50	42.03	84		57	135
		Toluene-d8	50	38.67	77		67	123
		4-Bromofluorobenzene	50	35.12	70		33	141
G3846-05	005-TB-5(4-8)	1,2-Dichloroethane-d4	50	42.27	85		56	120
		Dibromofluoromethane	50	46.36	93		57	135
		Toluene-d8	50	40.83	82		67	123
		4-Bromofluorobenzene	50	108.63	217	*	33	141
G3846-06	006-TB-6(8-8.8)	1,2-Dichloroethane-d4	50	62.01	124	*	56	120
		Dibromofluoromethane	50	56.82	114		57	135
		Toluene-d8	50	52.04	104		67	123
		4-Bromofluorobenzene	50	52.83	106		33	141
G3846-06RE	006-TB-6(8-8.8)RE	1,2-Dichloroethane-d4	50	66.43	133	*	56	120
		Dibromofluoromethane	50	45.44	91		57	135
		Toluene-d8	50	36.9	74		67	123
		4-Bromofluorobenzene	50	48.62	97		33	141
G3846-08	008-TB-7(8-9.7)	1,2-Dichloroethane-d4	50	39.08	78		56	120
		Dibromofluoromethane	50	44.89	90		57	135
		Toluene-d8	50	43.24	86		67	123
		4-Bromofluorobenzene	50	49.41	99		33	141
G3846-10	010-TB-8(8-9.7)	1,2-Dichloroethane-d4	50	49.88	100		56	120
		Dibromofluoromethane	50	50.53	101		57	135
		Toluene-d8	50	48.23	96		67	123
		4-Bromofluorobenzene	50	48.97	98		33	141
G3846-11	011-TB-9(8-9.7)	1,2-Dichloroethane-d4	50	50.74	101		56	120
		Dibromofluoromethane	50	52.1	104		57	135
		Toluene-d8	50	49.61	99		67	123
		4-Bromofluorobenzene	50	48.16	96		33	141
G3846-12	012-TB-10(8-9.5)	1,2-Dichloroethane-d4	50	53.69	107		56	120
		Dibromofluoromethane	50	53.59	107		57	135
		Toluene-d8	50	53.2	106		67	123
		4-Bromofluorobenzene	50	50.56	101		33	141
G3846-14	014-TB-11(8-9.2)	1,2-Dichloroethane-d4	50	58.26	117		56	120
		Dibromofluoromethane	50	57.92	116		57	135
		Toluene-d8	50	54.47	109		67	123
		4-Bromofluorobenzene	50	54.51	109		33	141
G3846-15	015-TB-12(8-8.8)	1,2-Dichloroethane-d4	50	41.44	83		56	120
		Dibromofluoromethane	50	49.67	99		57	135
		Toluene-d8	50	52.76	106		67	123
		4-Bromofluorobenzene	50	97.18	194	*	33	141

Surrogate Summary

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: SW8260B

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
G3846-17	017-TB-13(8-9.2)	1,2-Dichloroethane-d4	50	37.24	74	56	120
		Dibromofluoromethane	50	44.12	88	57	135
		Toluene-d8	50	44.33	89	67	123
		4-Bromofluorobenzene	50	49.07	98	33	141
G3846-18	018-TB-14(8-9.4)	1,2-Dichloroethane-d4	50	57.27	115	56	120
		Dibromofluoromethane	50	55.95	112	57	135
		Toluene-d8	50	53.89	108	67	123
		4-Bromofluorobenzene	50	52.93	106	33	141
G3846-20	020-TB-15(4-8)	1,2-Dichloroethane-d4	50	56.63	113	56	120
		Dibromofluoromethane	50	55.11	110	57	135
		Toluene-d8	50	50.73	101	67	123
		4-Bromofluorobenzene	50	50.73	101	33	141
G3846-21	021-TB-16(8-9.8)	1,2-Dichloroethane-d4	50	52.13	104	56	120
		Dibromofluoromethane	50	51.55	103	57	135
		Toluene-d8	50	48.35	97	67	123
		4-Bromofluorobenzene	50	46.28	93	33	141
VD1009SBL01	VD1009SBL01	1,2-Dichloroethane-d4	50	59.87	120	56	120
		Dibromofluoromethane	50	43.48	87	57	135
		Toluene-d8	50	39.65	79	67	123
		4-Bromofluorobenzene	50	49.44	99	33	141
VD1009SBS01	VD1009SBS01	1,2-Dichloroethane-d4	50	59.05	118	56	120
		Dibromofluoromethane	50	48.26	97	57	135
		Toluene-d8	50	47.82	96	67	123
		4-Bromofluorobenzene	50	63.95	128	33	141

Surrogate Summary

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
G3846-05ME	005-TB-5(4-8)ME	1,2-Dichloroethane-d4	50	45.68	91	56	120
		Dibromofluoromethane	50	53.77	108	57	135
		Toluene-d8	50	51.49	103	67	123
		4-Bromofluorobenzene	50	51.57	103	33	141
G3846-05MEDL	005-TB-5(4-8)MEDL	1,2-Dichloroethane-d4	50	41.09	82	56	120
		Dibromofluoromethane	50	50.11	100	57	135
		Toluene-d8	50	50.01	100	67	123
		4-Bromofluorobenzene	50	45.8	92	33	141
G3846-17MEDL	017-TB-13(8-9.2)MEDL	1,2-Dichloroethane-d4	50	40.15	80	56	120
		Dibromofluoromethane	50	49.88	100	57	135
		Toluene-d8	50	49.99	100	67	123
		4-Bromofluorobenzene	50	45.22	90	33	141
G3897-02MS	B-2D(3.5-4)MS	1,2-Dichloroethane-d4	50	39.99	80	56	120
		Dibromofluoromethane	50	50.47	101	57	135
		Toluene-d8	50	51.3	103	67	123
		4-Bromofluorobenzene	50	56.35	113	33	141
G3897-03MSD	B-2D(3.5-4)MSD	1,2-Dichloroethane-d4	50	38.99	78	56	120
		Dibromofluoromethane	50	48.52	97	57	135
		Toluene-d8	50	50.39	101	67	123
		4-Bromofluorobenzene	50	48.48	97	33	141
VD0930SBL01	VD0930SBL01	1,2-Dichloroethane-d4	50	48.27	97	56	120
		Dibromofluoromethane	50	49.5	99	57	135
		Toluene-d8	50	47.42	95	67	123
		4-Bromofluorobenzene	50	46.15	92	33	141
VD0930SBS01	VD0930SBS01	1,2-Dichloroethane-d4	50	46.38	93	56	120
		Dibromofluoromethane	50	48.6	97	57	135
		Toluene-d8	50	48.51	97	67	123
		4-Bromofluorobenzene	50	52.45	105	33	141
VF0928SBL01	VF0928SBL01	1,2-Dichloroethane-d4	50	42.43	85	56	120
		Dibromofluoromethane	50	47.82	96	57	135
		Toluene-d8	50	49.65	99	67	123
		4-Bromofluorobenzene	50	46.04	92	33	141
VF0928SBS01	VF0928SBS01	1,2-Dichloroethane-d4	50	48.64	97	56	120
		Dibromofluoromethane	50	54.68	109	57	135
		Toluene-d8	50	54.2	108	67	123
		4-Bromofluorobenzene	50	54.76	110	33	141
VH1006MBL01	VH1006MBL01	1,2-Dichloroethane-d4	50	35.72	71	56	120
		Dibromofluoromethane	50	44.53	89	57	135
		Toluene-d8	50	44.1	88	67	123
		4-Bromofluorobenzene	50	37.51	75	33	141
VH1006MBS01	VH1006MBS01	1,2-Dichloroethane-d4	50	42.26	85	56	120
		Dibromofluoromethane	50	48.81	98	57	135
		Toluene-d8	50	48.54	97	67	123
		4-Bromofluorobenzene	50	44.56	89	33	141

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : G3897-02MS		**Client Sample ID : B-2D(3.5-4)MS**						**Datafile :**	VH057209.D		
Methyl tert-butyl Ether	2000	0	1500	ug/Kg	75				64	132	
Benzene	2000	300	2300	ug/Kg	100				68	130	
Toluene	2000	0	2000	ug/Kg	100				65	133	
Ethyl Benzene	2000	0	2100	ug/Kg	105				65	133	
m/p-Xylenes	4000	52.1	4200	ug/Kg	104				62	134	
o-Xylene	2000	0	2000	ug/Kg	100				65	133	
Isopropylbenzene	2000	490	2000	ug/Kg	76				64	139	
N-propylbenzene	2000	1200	2500	ug/Kg	65				61	136	
1,3,5-Trimethylbenzene	2000	0	2000	ug/Kg	100				65	133	
tert-Butylbenzene	2000	0	2200	ug/Kg	110				61	139	
1,2,4-Trimethylbenzene	2000	0	2000	ug/Kg	100				59	137	
Sec-butylbenzene	2000	900	2900	ug/Kg	100				58	138	
p-Isopropyltoluene	2000	0	2600	ug/Kg	130				61	133	
n-Butylbenzene	2000	1700	4000	ug/Kg	115				45	141	
Naphthalene	2000	1200	4200	ug/Kg	150	*			29	140	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : G3897-03MSD	**Client Sample ID :** B-2D(3.5-4)MSD							**Datafile :** VH057210.D			
Methyl tert-butyl Ether	2500	0	1800	ug/Kg	72		4		64	132	20
Benzene	2500	300	2700	ug/Kg	96		4		68	130	20
Toluene	2500	0	2400	ug/Kg	96		4		65	133	20
Ethyl Benzene	2500	0	2500	ug/Kg	100		5		65	133	20
m/p-Xylenes	4900	52.1	5100	ug/Kg	103		1		62	134	20
o-Xylene	2500	0	2600	ug/Kg	104		4		65	133	20
Isopropylbenzene	2500	490	2400	ug/Kg	76		0		64	139	20
N-propylbenzene	2500	1200	3000	ug/Kg	72		10		61	136	20
1,3,5-Trimethylbenzene	2500	0	2400	ug/Kg	96		4		65	133	20
tert-Butylbenzene	2500	0	2600	ug/Kg	104		6		61	139	20
1,2,4-Trimethylbenzene	2500	0	2500	ug/Kg	100		0		59	137	20
Sec-butylbenzene	2500	900	3700	ug/Kg	112		11		58	138	20
p-Isopropyltoluene	2500	0	3100	ug/Kg	124		5		61	133	20
n-Butylbenzene	2500	1700	4900	ug/Kg	128		11		45	141	20
Naphthalene	2500	1200	5000	ug/Kg	152	*	1		29	140	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: SW8260C **Datafile :** VD046889.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD0930SBS01	Methyl tert-butyl Ether	20	20.7	ug/Kg	104			76	123	
	Benzene	20	19.7	ug/Kg	99			79	124	
	Toluene	20	21.9	ug/Kg	110			78	124	
	Ethyl Benzene	20	21.4	ug/Kg	107			80	123	
	m/p-Xylenes	40	42.5	ug/Kg	106			79	126	
	o-Xylene	20	21.2	ug/Kg	106			80	122	
	Isopropylbenzene	20	19.7	ug/Kg	99			79	123	
	N-propylbenzene	20	19.8	ug/Kg	99			80	125	
	1,3,5-Trimethylbenzene	20	19.9	ug/Kg	100			81	123	
	tert-Butylbenzene	20	19.7	ug/Kg	99			81	123	
	1,2,4-Trimethylbenzene	20	20.7	ug/Kg	104			81	122	
	Sec-butylbenzene	20	20.4	ug/Kg	102			81	126	
	p-Isopropyltoluene	20	20.6	ug/Kg	103			81	124	
	n-Butylbenzene	20	20.8	ug/Kg	104			75	129	
	Naphthalene	20	19.5	ug/Kg	98			71	126	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: SW8260B **Datafile :** VD047104.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD1009SBS01	Methyl tert-butyl Ether	20.1	21	ug/Kg	104			76	123	
	Benzene	20.1	18	ug/Kg	90			79	124	
	Toluene	20.1	21.9	ug/Kg	109			78	124	
	Ethyl Benzene	20.1	20	ug/Kg	100			80	123	
	m/p-Xylenes	40.2	40.5	ug/Kg	101			79	126	
	o-Xylene	20.1	21	ug/Kg	104			80	122	
	Isopropylbenzene	20.1	18.7	ug/Kg	93			79	123	
	N-propylbenzene	20.1	19.1	ug/Kg	95			80	125	
	1,3,5-Trimethylbenzene	20.1	20.7	ug/Kg	103			81	123	
	tert-Butylbenzene	20.1	19.6	ug/Kg	98			81	123	
	1,2,4-Trimethylbenzene	20.1	21.1	ug/Kg	105			81	122	
	Sec-butylbenzene	20.1	20.3	ug/Kg	101			81	126	
	p-Isopropyltoluene	20.1	21.7	ug/Kg	108			81	124	
	n-Butylbenzene	20.1	21.2	ug/Kg	105			75	129	
	Naphthalene	20.1	19.9	ug/Kg	99			71	126	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: SW8260C **Datafile :** VF045501.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VF0928SBS01	Methyl tert-butyl Ether	20	19.9	ug/Kg	100			76	123	
	Benzene	20	21.6	ug/Kg	108			79	124	
	Toluene	20	21.9	ug/Kg	110			78	124	
	Ethyl Benzene	20	24.3	ug/Kg	121			80	123	
	m/p-Xylenes	40	48.3	ug/Kg	121			79	126	
	o-Xylene	20	23.8	ug/Kg	119			80	122	
	Isopropylbenzene	20	23.9	ug/Kg	119			79	123	
	N-propylbenzene	20	24.3	ug/Kg	121			80	125	
	1,3,5-Trimethylbenzene	20	23.1	ug/Kg	116			81	123	
	tert-Butylbenzene	20	22.6	ug/Kg	113			81	123	
	1,2,4-Trimethylbenzene	20	23	ug/Kg	115			81	122	
	Sec-butylbenzene	20	23.5	ug/Kg	117			81	126	
	p-Isopropyltoluene	20	23.8	ug/Kg	119			81	124	
	n-Butylbenzene	20	23.1	ug/Kg	116			75	129	
	Naphthalene	20	17.5	ug/Kg	88			71	126	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G3846
Client: Day Environmental, Inc.
Analytical Method: SW8260C **Datafile :** VH057195.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VH1006MBS01	Methyl tert-butyl Ether	2000	1700	ug/Kg	85			76	123	
	Benzene	2000	2000	ug/Kg	100			79	124	
	Toluene	2000	1900	ug/Kg	95			78	124	
	Ethyl Benzene	2000	2000	ug/Kg	100			80	123	
	m/p-Xylenes	4000	4200	ug/Kg	105			79	126	
	o-Xylene	2000	2100	ug/Kg	105			80	122	
	Isopropylbenzene	2000	2100	ug/Kg	105			79	123	
	N-propylbenzene	2000	2000	ug/Kg	100			80	125	
	1,3,5-Trimethylbenzene	2000	2100	ug/Kg	105			81	123	
	tert-Butylbenzene	2000	2100	ug/Kg	105			81	123	
	1,2,4-Trimethylbenzene	2000	2000	ug/Kg	100			81	122	
	Sec-butylbenzene	2000	2000	ug/Kg	100			81	126	
	p-Isopropyltoluene	2000	2000	ug/Kg	100			81	124	
	n-Butylbenzene	2000	1900	ug/Kg	95			75	129	
	Naphthalene	2000	1700	ug/Kg	85			71	126	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD0930SBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VD046888.D Lab Sample ID: VD0930SBL01

Date Analyzed: 09/30/2015 Time Analyzed: 12:40

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD0930SBS01	VD0930SBS01	VD046889.D	09/30/2015
010-TB-8(8-9.7)	G3846-10	VD046893.D	09/30/2015
011-TB-9(8-9.7)	G3846-11	VD046894.D	09/30/2015
012-TB-10(8-9.5)	G3846-12	VD046895.D	09/30/2015
014-TB-11(8-9.2)	G3846-14	VD046896.D	09/30/2015
018-TB-14(8-9.4)	G3846-18	VD046897.D	09/30/2015
020-TB-15(4-8)	G3846-20	VD046898.D	09/30/2015
021-TB-16(8-9.8)	G3846-21	VD046899.D	09/30/2015
006-TB-6(8-8.8)	G3846-06	VD046902.D	09/30/2015

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD1009SBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VD047101.D Lab Sample ID: VD1009SBL01

Date Analyzed: 10/09/2015 Time Analyzed: 12:01

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD1009SBS01	VD1009SBS01	VD047104.D	10/09/2015
006-TB-6(8-8.8)RE	G3846-06RE	VD047109.D	10/09/2015

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VF0928SBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VF045500.D Lab Sample ID: VF0928SBL01

Date Analyzed: 09/28/2015 Time Analyzed: 12:33

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VF0928SBS01	VF0928SBS01	VF045501.D	09/28/2015
001-TB-1(5-8)	G3846-01	VF045512.D	09/28/2015
002-TB-2(5-8.2)	G3846-02	VF045513.D	09/28/2015
003-TB-3(5-8.5)	G3846-03	VF045514.D	09/28/2015
004-TB-4(5-9)	G3846-04	VF045515.D	09/28/2015
005-TB-5(4-8)	G3846-05	VF045516.D	09/28/2015
008-TB-7(8-9.7)	G3846-08	VF045518.D	09/28/2015

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VH1006MBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VH057194.D Lab Sample ID: VH1006MBL01

Date Analyzed: 10/06/2015 Time Analyzed: 11:21

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_H

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VH1006MBS01	VH1006MBS01	VH057195.D	10/06/2015
005-TB-5(4-8)ME	G3846-05ME	VH057196.D	10/06/2015
005-TB-5(4-8)MEDL	G3846-05MEDL	VH057200.D	10/06/2015
017-TB-13(8-9.2)MEDL	G3846-17MEDL	VH057202.D	10/06/2015
015-TB-12(8-8.8)	G3846-15	VH057203.D	10/06/2015
017-TB-13(8-9.2)	G3846-17	VH057208.D	10/06/2015
B-2D(3.5-4)MS	G3897-02MS	VH057209.D	10/06/2015
B-2D(3.5-4)MSD	G3897-03MSD	VH057210.D	10/06/2015

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VD046777.D BFB Injection Date: 09/18/2015

Instrument ID: MSVOA_D BFB Injection Time: 10:58

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	82.2
175	5.0 - 9.0% of mass 174	5.6 (6.8) 1
176	95.0 - 101.0% of mass 174	78.9 (95.9) 1
177	5.0 - 9.0% of mass 176	5.1 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VD046778.D	09/18/2015	11:30
VSTDICC010	VSTDICC010	VD046779.D	09/18/2015	12:22
VSTDICC020	VSTDICC020	VD046780.D	09/18/2015	12:48
VSTDICCC050	VSTDICCC050	VD046781.D	09/18/2015	13:15
VSTDICC100	VSTDICC100	VD046782.D	09/18/2015	13:41
VSTDICC150	VSTDICC150	VD046783.D	09/18/2015	15:05

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VD046886.D BFB Injection Date: 09/30/2015

Instrument ID: MSVOA_D BFB Injection Time: 10:30

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	73.6 (95.2) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VD046887.D	09/30/2015	11:29
VD0930SBL01	VD0930SBL01	VD046888.D	09/30/2015	12:40
VD0930SBS01	VD0930SBS01	VD046889.D	09/30/2015	13:07
010-TB-8(8-9.7)	G3846-10	VD046893.D	09/30/2015	15:17
011-TB-9(8-9.7)	G3846-11	VD046894.D	09/30/2015	15:43
012-TB-10(8-9.5)	G3846-12	VD046895.D	09/30/2015	16:10
014-TB-11(8-9.2)	G3846-14	VD046896.D	09/30/2015	16:38
018-TB-14(8-9.4)	G3846-18	VD046897.D	09/30/2015	17:05
020-TB-15(4-8)	G3846-20	VD046898.D	09/30/2015	17:31
021-TB-16(8-9.8)	G3846-21	VD046899.D	09/30/2015	17:58
006-TB-6(8-8.8)	G3846-06	VD046902.D	09/30/2015	19:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VD047064.D BFB Injection Date: 10/08/2015

Instrument ID: MSVOA_D BFB Injection Time: 09:47

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.7
75	30.0 - 60.0% of mass 95	46.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	69.4
175	5.0 - 9.0% of mass 174	4.7 (6.8) 1
176	95.0 - 101.0% of mass 174	67.4 (97) 1
177	5.0 - 9.0% of mass 176	4.5 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VD047065.D	10/08/2015	11:37
VSTDICC010	VSTDICC010	VD047066.D	10/08/2015	12:04
VSTDICC020	VSTDICC020	VD047067.D	10/08/2015	12:30
VSTDICCC050	VSTDICCC050	VD047068.D	10/08/2015	12:57
VSTDICC100	VSTDICC100	VD047069.D	10/08/2015	13:24
VSTDICC150	VSTDICC150	VD047070.D	10/08/2015	13:50

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VD047099.D BFB Injection Date: 10/09/2015

Instrument ID: MSVOA_D BFB Injection Time: 09:29

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	67.8
175	5.0 - 9.0% of mass 174	4.8 (7.1) 1
176	95.0 - 101.0% of mass 174	64.8 (95.6) 1
177	5.0 - 9.0% of mass 176	4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VD047100.D	10/09/2015	10:27
VD1009SBL01	VD1009SBL01	VD047101.D	10/09/2015	12:01
VD1009SBS01	VD1009SBS01	VD047104.D	10/09/2015	14:23
006-TB-6(8-8.8)RE	G3846-06RE	VD047109.D	10/09/2015	16:39

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VF045387.D BFB Injection Date: 09/16/2015

Instrument ID: MSVOA_F BFB Injection Time: 10:47

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.3
75	30.0 - 60.0% of mass 95	40.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	86.4
175	5.0 - 9.0% of mass 174	6.4 (7.4) 1
176	95.0 - 101.0% of mass 174	84.8 (98.1) 1
177	5.0 - 9.0% of mass 176	5.6 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VF045388.D	09/16/2015	13:15
VSTDICC010	VSTDICC010	VF045389.D	09/16/2015	13:43
VSTDICC020	VSTDICC020	VF045390.D	09/16/2015	14:12
VSTDICCC050	VSTDICCC050	VF045391.D	09/16/2015	14:40
VSTDICC075	VSTDICC075	VF045392.D	09/16/2015	15:08
VSTDICC100	VSTDICC100	VF045393.D	09/16/2015	15:37

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VF045498.D BFB Injection Date: 09/28/2015

Instrument ID: MSVOA_F BFB Injection Time: 10:48

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.2
75	30.0 - 60.0% of mass 95	39.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	88.5
175	5.0 - 9.0% of mass 174	5.8 (6.6) 1
176	95.0 - 101.0% of mass 174	84.4 (95.4) 1
177	5.0 - 9.0% of mass 176	6.1 (7.2) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VF045499.D	09/28/2015	11:31
VF0928SBL01	VF0928SBL01	VF045500.D	09/28/2015	12:33
VF0928SBS01	VF0928SBS01	VF045501.D	09/28/2015	13:34
001-TB-1(5-8)	G3846-01	VF045512.D	09/28/2015	18:48
002-TB-2(5-8.2)	G3846-02	VF045513.D	09/28/2015	19:17
003-TB-3(5-8.5)	G3846-03	VF045514.D	09/28/2015	19:46
004-TB-4(5-9)	G3846-04	VF045515.D	09/28/2015	20:14
005-TB-5(4-8)	G3846-05	VF045516.D	09/28/2015	20:43
008-TB-7(8-9.7)	G3846-08	VF045518.D	09/28/2015	21:40

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VH057182.D BFB Injection Date: 10/05/2015

Instrument ID: MSVOA_H BFB Injection Time: 10:18

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.3
75	30.0 - 60.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	72
175	5.0 - 9.0% of mass 174	5.3 (7.4) 1
176	95.0 - 101.0% of mass 174	70.2 (97.5) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VH057183.D	10/05/2015	11:25
VSTDICC020	VSTDICC020	VH057185.D	10/05/2015	12:26
VSTDICC040	VSTDICC040	VH057186.D	10/05/2015	12:53
VSTDICCC050	VSTDICCC050	VH057187.D	10/05/2015	13:47
VSTDICC100	VSTDICC100	VH057188.D	10/05/2015	14:40
VSTDICC010	VSTDICC010	VH057190.D	10/05/2015	16:20

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VH057192.D BFB Injection Date: 10/06/2015

Instrument ID: MSVOA_H BFB Injection Time: 09:50

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	44.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	78.5
175	5.0 - 9.0% of mass 174	5.2 (6.6) 1
176	95.0 - 101.0% of mass 174	76.4 (97.3) 1
177	5.0 - 9.0% of mass 176	4.9 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VH057193.D	10/06/2015	10:40
VH1006MBL01	VH1006MBL01	VH057194.D	10/06/2015	11:21
VH1006MBS01	VH1006MBS01	VH057195.D	10/06/2015	12:06
005-TB-5(4-8)ME	G3846-05ME	VH057196.D	10/06/2015	13:00
005-TB-5(4-8)MEDL	G3846-05MEDL	VH057200.D	10/06/2015	14:54
017-TB-13(8-9.2)MEDL	G3846-17MEDL	VH057202.D	10/06/2015	15:48
015-TB-12(8-8.8)	G3846-15	VH057203.D	10/06/2015	16:15
017-TB-13(8-9.2)	G3846-17	VH057208.D	10/06/2015	19:31
B-2D(3.5-4)MS	G3897-02MS	VH057209.D	10/06/2015	19:58
B-2D(3.5-4)MSD	G3897-03MSD	VH057210.D	10/06/2015	20:25

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VD046887.D Date Analyzed: 09/30/2015

Instrument ID: MSVOA_D Time Analyzed: 11:29

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	182546	6.33	213018	7.47	210967	11.61
UPPER LIMIT	365092	6.83	426036	7.97	421934	12.11
LOWER LIMIT	91273	5.83	106509	6.97	105484	11.11
EPA SAMPLE NO.						
006-TB-6(8-8.8)	133405	6.32	182523	7.44	164349	11.58
010-TB-8(8-9.7)	187631	6.33	244211	7.46	225389	11.60
011-TB-9(8-9.7)	174623	6.33	229461	7.45	212608	11.59
012-TB-10(8-9.5)	164627	6.33	216438	7.45	199313	11.59
014-TB-11(8-9.2)	162696	6.33	213747	7.45	203019	11.59
018-TB-14(8-9.4)	149369	6.33	200637	7.45	186797	11.59
020-TB-15(4-8)	143637	6.33	190624	7.45	176783	11.59
021-TB-16(8-9.8)	151533	6.32	202787	7.45	187064	11.59
VD0930SBL01	166051	6.34	215719	7.46	200068	11.60
VD0930SBS01	169315	6.33	209093	7.46	207117	11.60

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VD046887.D Date Analyzed: 09/30/2015

Instrument ID: MSVOA_D Time Analyzed: 11:29

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	116232	13.95				
UPPER LIMIT	232464	14.45				
LOWER LIMIT	58116	13.45				
EPA SAMPLE NO.						
006-TB-6(8-8.8)	86575	13.93				
010-TB-8(8-9.7)	112675	13.93				
011-TB-9(8-9.7)	103849	13.94				
012-TB-10(8-9.5)	99068	13.94				
014-TB-11(8-9.2)	100392	13.93				
018-TB-14(8-9.4)	97214	13.94				
020-TB-15(4-8)	87108	13.93				
021-TB-16(8-9.8)	90382	13.93				
VD0930SBL01	102259	13.94				
VD0930SBS01	120030	13.94				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
*** Values outside of QC limits.**

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VD047100.D Date Analyzed: 10/09/2015

Instrument ID: MSVOA_D Time Analyzed: 10:27

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	215760	6.31	347924	7.44	331000	11.58
UPPER LIMIT	431520	6.81	695848	7.94	662000	12.08
LOWER LIMIT	107880	5.81	173962	6.94	165500	11.08
EPA SAMPLE NO.						
006-TB-6(8-8.8)RE	146354	6.33	266084	7.45	233551	11.59
VD1009SBL01	192120	6.32	335466	7.44	299545	11.58
VD1009SBS01	205572	6.33	331794	7.45	303187	11.59

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VD047100.D Date Analyzed: 10/09/2015

Instrument ID: MSVOA_D Time Analyzed: 10:27

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	152914	13.93				
UPPER LIMIT	305828	14.43				
LOWER LIMIT	76457	13.43				
EPA SAMPLE NO.						
006-TB-6(8-8.8)RE	92643	13.94				
VD1009SBL01	118712	13.93				
VD1009SBS01	137848	13.93				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
*** Values outside of QC limits.**

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VF045499.D Date Analyzed: 09/28/2015

Instrument ID: MSVOA_F Time Analyzed: 11:31

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	998010	4.81	1471160	5.54	1357550	9.71
UPPER LIMIT	1996020	5.31	2942310	6.04	2715100	10.21
LOWER LIMIT	499005	4.31	735579	5.04	678774	9.21
EPA SAMPLE NO.						
001-TB-1(5-8)	1062198	4.82	1511805	5.55	1431924	9.71
002-TB-2(5-8.2)	1072423	4.81	1569269	5.55	1602118	9.72
003-TB-3(5-8.5)	1034368	4.82	1435702	5.55	1494092	9.71
004-TB-4(5-9)	1009526	4.82	1517860	5.55	1478974	9.71
005-TB-5(4-8)	895771	4.82	1338197	5.55	825808	9.73
008-TB-7(8-9.7)	1069883	4.82	1531541	5.55	1271824	9.71
VF0928SBL01	1067530	4.81	1522394	5.54	1412646	9.71
VF0928SBS01	1026466	4.82	1443321	5.55	1349592	9.71

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VF045499.D Date Analyzed: 09/28/2015

Instrument ID: MSVOA_F Time Analyzed: 11:31

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	808235	12.5				
UPPER LIMIT	1616470	13				
LOWER LIMIT	404118	12				
EPA SAMPLE NO.						
001-TB-1(5-8)	683910	12.50				
002-TB-2(5-8.2)	805510	12.50				
003-TB-3(5-8.5)	676025	12.50				
004-TB-4(5-9)	682525	12.50				
005-TB-5(4-8)	533693	12.52				
008-TB-7(8-9.7)	657393	12.50				
VF0928SBL01	742389	12.50				
VF0928SBS01	770145	12.49				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
*** Values outside of QC limits.**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VH057193.D Date Analyzed: 10/06/2015

Instrument ID: MSVOA_H Time Analyzed: 10:40

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	962214	4.83	1647100	5.56	1223770	9.72
UPPER LIMIT	1924430	5.33	3294210	6.06	2447540	10.22
LOWER LIMIT	481107	4.33	823552	5.06	611885	9.22
EPA SAMPLE NO.						
005-TB-5(4-8)ME	864310	4.83	1437601	5.55	1082427	9.72
005-TB-5(4-8)MEDL	955651	4.84	1655063	5.57	1295218	9.73
015-TB-12(8-8.8)	859568	4.84	1512849	5.57	1064718	9.72
017-TB-13(8-9.2)	714450	4.85	1280620	5.57	973839	9.72
017-TB-13(8-9.2)MEDL	946311	4.85	1627048	5.58	1279478	9.72
B-2D(3.5-4)MS	854909	4.84	1451140	5.57	1098824	9.72
B-2D(3.5-4)MSD	828765	4.85	1467625	5.57	1096590	9.73
VH1006MBL01	899146	4.84	1466057	5.56	1074185	9.72
VH1006MBS01	879887	4.83	1489513	5.56	1129870	9.72

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: VH057193.D Date Analyzed: 10/06/2015

Instrument ID: MSVOA_H Time Analyzed: 10:40

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	351724	12.49				
UPPER LIMIT	703448	12.99				
LOWER LIMIT	175862	11.99				
EPA SAMPLE NO.						
005-TB-5(4-8)ME	376184	12.49				
005-TB-5(4-8)MEDL	351506	12.49				
015-TB-12(8-8.8)	389790	12.50				
017-TB-13(8-9.2)	341357	12.50				
017-TB-13(8-9.2)MEDL	341291	12.49				
B-2D(3.5-4)MS	378544	12.50				
B-2D(3.5-4)MSD	375530	12.49				
VH1006MBL01	303266	12.49				
VH1006MBS01	330822	12.49				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VD0930SBL01	SDG No.:	G3846
Lab Sample ID:	VD0930SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD046888.D	1		09/30/15 12:40	VD093015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5	U	0.5	0.5	5	ug/Kg
71-43-2	Benzene	5	U	0.38	0.5	5	ug/Kg
108-88-3	Toluene	5	U	0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	1	10	ug/Kg
95-47-6	o-Xylene	5	U	0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	5	U	0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5	U	0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	5	U	0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5	U	0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	5	U	0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	5	U	0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	5	U	0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	5	U	0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		56 - 120		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		57 - 135		99%	SPK: 50
2037-26-5	Toluene-d8	47.4		67 - 123		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		33 - 141		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	166051	6.34				
540-36-3	1,4-Difluorobenzene	215719	7.46				
3114-55-4	Chlorobenzene-d5	200068	11.6				
3855-82-1	1,4-Dichlorobenzene-d4	102259	13.94				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VD1009SBL01	SDG No.:	G3846
Lab Sample ID:	VD1009SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD047101.D	1		10/09/15 12:01	VD100915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5	U	0.5	0.5	5	ug/Kg
71-43-2	Benzene	5	U	0.38	0.5	5	ug/Kg
108-88-3	Toluene	5	U	0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	1	10	ug/Kg
95-47-6	o-Xylene	5	U	0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	5	U	0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5	U	0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	5	U	0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5	U	0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	5	U	0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	5	U	0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	5	U	0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	5	U	0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.9		56 - 120		120%	SPK: 50
1868-53-7	Dibromofluoromethane	43.5		57 - 135		87%	SPK: 50
2037-26-5	Toluene-d8	39.7		67 - 123		79%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		33 - 141		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	192120	6.32				
540-36-3	1,4-Difluorobenzene	335466	7.44				
3114-55-4	Chlorobenzene-d5	299545	11.58				
3855-82-1	1,4-Dichlorobenzene-d4	118712	13.93				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VF0928SBL01	SDG No.:	G3846
Lab Sample ID:	VF0928SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045500.D	1		09/28/15 12:33	VF092815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5	U	0.5	0.5	5	ug/Kg
71-43-2	Benzene	5	U	0.38	0.5	5	ug/Kg
108-88-3	Toluene	5	U	0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	1	10	ug/Kg
95-47-6	o-Xylene	5	U	0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	5	U	0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5	U	0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	5	U	0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5	U	0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	5	U	0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	5	U	0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	5	U	0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	5	U	0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.4		56 - 120		85%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		57 - 135		96%	SPK: 50
2037-26-5	Toluene-d8	49.7		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46		33 - 141		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1067530	4.81				
540-36-3	1,4-Difluorobenzene	1522390	5.54				
3114-55-4	Chlorobenzene-d5	1412650	9.71				
3855-82-1	1,4-Dichlorobenzene-d4	742389	12.5				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1006MBL01	SDG No.:	G3846
Lab Sample ID:	VH1006MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057194.D	1		10/06/15 11:21	VH100615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	500	U	50	50	500	ug/Kg
71-43-2	Benzene	500	U	38	50	500	ug/Kg
108-88-3	Toluene	500	U	50	50	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	50	50	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	72	100	1000	ug/Kg
95-47-6	o-Xylene	500	U	50	50	500	ug/Kg
98-82-8	Isopropylbenzene	500	U	48	50	500	ug/Kg
103-65-1	n-propylbenzene	500	U	36	50	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	500	U	45	50	500	ug/Kg
98-06-6	tert-Butylbenzene	500	U	50	50	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	500	U	50	50	500	ug/Kg
135-98-8	sec-Butylbenzene	500	U	50	50	500	ug/Kg
99-87-6	p-Isopropyltoluene	500	U	29	50	500	ug/Kg
104-51-8	n-Butylbenzene	500	U	46	50	500	ug/Kg
91-20-3	Naphthalene	500	U	45	50	500	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	35.7		56 - 120		71%	SPK: 50
1868-53-7	Dibromofluoromethane	44.5		57 - 135		89%	SPK: 50
2037-26-5	Toluene-d8	44.1		67 - 123		88%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.5		33 - 141		75%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	899146	4.84				
540-36-3	1,4-Difluorobenzene	1466060	5.56				
3114-55-4	Chlorobenzene-d5	1074190	9.72				
3855-82-1	1,4-Dichlorobenzene-d4	303266	12.49				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VD0930SBS01	SDG No.:	G3846
Lab Sample ID:	VD0930SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD046889.D	1		09/30/15 13:07	VD093015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	20.7		0.5	0.5	5	ug/Kg
71-43-2	Benzene	19.7		0.38	0.5	5	ug/Kg
108-88-3	Toluene	21.9		0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	21.4		0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	42.5		0.72	1	10	ug/Kg
95-47-6	o-Xylene	21.2		0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	19.7		0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	19.8		0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	19.9		0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	19.7		0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	20.7		0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	20.4		0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	20.6		0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	20.8		0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	19.5		0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.4		56 - 120		93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		57 - 135		97%	SPK: 50
2037-26-5	Toluene-d8	48.5		67 - 123		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		33 - 141		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	169315	6.33				
540-36-3	1,4-Difluorobenzene	209093	7.46				
3114-55-4	Chlorobenzene-d5	207117	11.6				
3855-82-1	1,4-Dichlorobenzene-d4	120030	13.94				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VD1009SBS01	SDG No.:	G3846
Lab Sample ID:	VD1009SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD047104.D	1		10/09/15 14:23	VD100915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	21		0.5	0.5	5	ug/Kg
71-43-2	Benzene	18		0.38	0.5	5	ug/Kg
108-88-3	Toluene	21.9		0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	20		0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	40.5		0.72	1	10	ug/Kg
95-47-6	o-Xylene	21		0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	18.7		0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	19.1		0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	20.7		0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	19.6		0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	21.1		0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	20.3		0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	21.7		0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	21.2		0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	19.9		0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.1		56 - 120		118%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		57 - 135		97%	SPK: 50
2037-26-5	Toluene-d8	47.8		67 - 123		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	64		33 - 141		128%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	205572	6.33				
540-36-3	1,4-Difluorobenzene	331794	7.45				
3114-55-4	Chlorobenzene-d5	303187	11.59				
3855-82-1	1,4-Dichlorobenzene-d4	137848	13.93				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VF0928SBS01	SDG No.:	G3846
Lab Sample ID:	VF0928SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045501.D	1		09/28/15 13:34	VF092815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	19.9		0.5	0.5	5	ug/Kg
71-43-2	Benzene	21.6		0.38	0.5	5	ug/Kg
108-88-3	Toluene	21.9		0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	24.3		0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	48.3		0.72	1	10	ug/Kg
95-47-6	o-Xylene	23.8		0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	23.9		0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	24.3		0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	23.1		0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	22.6		0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	23		0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	23.5		0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	23.8		0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	23.1		0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	17.5		0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.6		56 - 120		97%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		57 - 135		109%	SPK: 50
2037-26-5	Toluene-d8	54.2		67 - 123		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		33 - 141		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1026470	4.82				
540-36-3	1,4-Difluorobenzene	1443320	5.55				
3114-55-4	Chlorobenzene-d5	1349590	9.71				
3855-82-1	1,4-Dichlorobenzene-d4	770145	12.49				

U = Not Detected
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1006MBS01	SDG No.:	G3846
Lab Sample ID:	VH1006MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057195.D	1		10/06/15 12:06	VH100615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	1700		50	50	500	ug/Kg
71-43-2	Benzene	2000		38	50	500	ug/Kg
108-88-3	Toluene	1900		50	50	500	ug/Kg
100-41-4	Ethyl Benzene	2000		50	50	500	ug/Kg
179601-23-1	m/p-Xylenes	4200		72	100	1000	ug/Kg
95-47-6	o-Xylene	2100		50	50	500	ug/Kg
98-82-8	Isopropylbenzene	2100		48	50	500	ug/Kg
103-65-1	n-propylbenzene	2000		36	50	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2100		45	50	500	ug/Kg
98-06-6	tert-Butylbenzene	2100		50	50	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2000		50	50	500	ug/Kg
135-98-8	sec-Butylbenzene	2000		50	50	500	ug/Kg
99-87-6	p-Isopropyltoluene	2000		29	50	500	ug/Kg
104-51-8	n-Butylbenzene	1900		46	50	500	ug/Kg
91-20-3	Naphthalene	1700		45	50	500	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.3		56 - 120		85%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		57 - 135		98%	SPK: 50
2037-26-5	Toluene-d8	48.5		67 - 123		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		33 - 141		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	879887	4.83				
540-36-3	1,4-Difluorobenzene	1489510	5.56				
3114-55-4	Chlorobenzene-d5	1129870	9.72				
3855-82-1	1,4-Dichlorobenzene-d4	330822	12.49				

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/29/15
Project:	121 and 123 Reynolds St.	Date Received:	10/01/15
Client Sample ID:	B-2D(3.5-4)MS	SDG No.:	G3846
Lab Sample ID:	G3897-02MS	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.7
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057209.D	1		10/06/15 19:58	VH100615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	1500		20.1	20.1	200	ug/Kg
71-43-2	Benzene	2300		15.3	20.1	200	ug/Kg
108-88-3	Toluene	2000		20.1	20.1	200	ug/Kg
100-41-4	Ethyl Benzene	2100		20.1	20.1	200	ug/Kg
179601-23-1	m/p-Xylenes	4200		28.9	40.2	400	ug/Kg
95-47-6	o-Xylene	2000		20.1	20.1	200	ug/Kg
98-82-8	Isopropylbenzene	2000		19.3	20.1	200	ug/Kg
103-65-1	n-propylbenzene	2500		14.5	20.1	200	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2000		18.1	20.1	200	ug/Kg
98-06-6	tert-Butylbenzene	2200		20.1	20.1	200	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2000		20.1	20.1	200	ug/Kg
135-98-8	sec-Butylbenzene	2900		20.1	20.1	200	ug/Kg
99-87-6	p-Isopropyltoluene	2600		11.6	20.1	200	ug/Kg
104-51-8	n-Butylbenzene	4000		18.5	20.1	200	ug/Kg
91-20-3	Naphthalene	4200	E	18.1	20.1	200	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	40		56 - 120		80%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		57 - 135		101%	SPK: 50
2037-26-5	Toluene-d8	51.3		67 - 123		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		33 - 141		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	854909	4.84				
540-36-3	1,4-Difluorobenzene	1451140	5.57				
3114-55-4	Chlorobenzene-d5	1098820	9.72				
3855-82-1	1,4-Dichlorobenzene-d4	378544	12.5				

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/29/15
Project:	121 and 123 Reynolds St.	Date Received:	10/01/15
Client Sample ID:	B-2D(3.5-4)MSD	SDG No.:	G3846
Lab Sample ID:	G3897-03MSD	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	19.7
Sample Wt/Vol:	6.31 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057210.D	1		10/06/15 20:25	VH100615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	1800		24.7	24.7	250	ug/Kg
71-43-2	Benzene	2700		18.7	24.7	250	ug/Kg
108-88-3	Toluene	2400		24.7	24.7	250	ug/Kg
100-41-4	Ethyl Benzene	2500		24.7	24.7	250	ug/Kg
179601-23-1	m/p-Xylenes	5100		35.5	49.3	490	ug/Kg
95-47-6	o-Xylene	2600		24.7	24.7	250	ug/Kg
98-82-8	Isopropylbenzene	2400		23.7	24.7	250	ug/Kg
103-65-1	n-propylbenzene	3000		17.8	24.7	250	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2400		22.2	24.7	250	ug/Kg
98-06-6	tert-Butylbenzene	2600		24.7	24.7	250	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2500		24.7	24.7	250	ug/Kg
135-98-8	sec-Butylbenzene	3700		24.7	24.7	250	ug/Kg
99-87-6	p-Isopropyltoluene	3100		14.3	24.7	250	ug/Kg
104-51-8	n-Butylbenzene	4900		22.7	24.7	250	ug/Kg
91-20-3	Naphthalene	5000	E	22.2	24.7	250	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	39		56 - 120		78%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		57 - 135		97%	SPK: 50
2037-26-5	Toluene-d8	50.4		67 - 123		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		33 - 141		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	828765	4.85				
540-36-3	1,4-Difluorobenzene	1467630	5.57				
3114-55-4	Chlorobenzene-d5	1096590	9.73				
3855-82-1	1,4-Dichlorobenzene-d4	375530	12.49				

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J = Estimated Value
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CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: MSVOA_D Calibration Date(s): 09/18/2015 09/18/2015

Heated Purge: (Y/N) Y Calibration Time(s): 11:30 15:05

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD046778.D RRF010 = VD046779.D RRF020 = VD046780.D
RRF050 = VD046781.D RRF100 = VD046782.D RRF150 = VD046783.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Methyl tert-butyl Ether	0.556	0.597	0.605	0.706	0.645	0.657	0.628	8.4
Benzene	1.524	1.639	1.492	1.508	1.420	1.366	1.492	6.3
Toluene	0.814	0.937	0.937	0.966	0.935	0.931	0.920	5.8
Ethyl Benzene	1.957	2.114	2.096	2.238	2.134	2.147	2.114	4.3
m/p-Xylenes	0.605	0.671	0.672	0.706	0.672	0.676	0.667	5
o-Xylene	0.478	0.588	0.604	0.652	0.634	0.646	0.600	10.8
Isopropylbenzene	2.823	3.448	3.456	3.817	3.686	3.917	3.525	11.1
n-propylbenzene	4.293	5.019	4.907	5.315	5.058	5.273	4.977	7.4
1,3,5-Trimethylbenzene	2.406	2.813	2.785	3.003	2.846	2.999	2.809	7.8
tert-Butylbenzene	1.990	2.608	2.431	2.780	2.596	2.791	2.533	11.7
1,2,4-Trimethylbenzene	2.457	2.925	2.799	3.035	2.811	2.938	2.827	7.1
sec-Butylbenzene	3.201	3.747	3.643	3.971	3.813	3.957	3.722	7.6
p-Isopropyltoluene	2.484	2.947	2.904	3.176	2.968	3.075	2.926	8.1
n-Butylbenzene	2.756	3.323	3.246	3.598	3.411	3.483	3.303	8.9
Naphthalene	0.698	0.791	0.873	1.101	1.097	1.086	0.941	18.9
1,2-Dichloroethane-d4	0.551	0.539	0.520	0.548	0.490	0.471	0.520	6.4
Dibromofluoromethane	0.387	0.379	0.396	0.418	0.394	0.374	0.391	4
Toluene-d8	1.056	1.174	1.251	1.367	1.306	1.251	1.234	8.8
4-Bromofluorobenzene	0.475	0.485	0.499	0.540	0.500	0.483	0.497	4.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: MSVOA_D Calibration Date(s): 10/08/2015 10/08/2015

Heated Purge: (Y/N) Y Calibration Time(s): 11:37 13:50

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD047065.D RRF010 = VD047066.D RRF020 = VD047067.D
RRF050 = VD047068.D RRF100 = VD047069.D RRF150 = VD047070.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Methyl tert-butyl Ether	0.728	0.683	0.725	0.756	0.703	0.738	0.722	3.6
Benzene	1.411	1.293	1.314	1.326	1.203	1.201	1.291	6.2
Toluene	0.810	0.758	0.779	0.824	0.744	0.750	0.778	4.2
Ethyl Benzene	2.241	1.874	2.020	2.083	1.887	1.909	2.003	7.1
m/p-Xylenes	0.801	0.721	0.767	0.785	0.720	0.737	0.755	4.5
o-Xylene	0.659	0.623	0.687	0.718	0.649	0.681	0.669	5
Isopropylbenzene	5.362	4.942	5.420	5.621	5.140	5.028	5.252	4.9
n-propylbenzene	6.413	5.983	6.432	6.553	5.837	5.694	6.152	5.8
1,3,5-Trimethylbenzene	4.198	3.842	4.074	4.306	3.929	3.886	4.039	4.6
tert-Butylbenzene	3.877	3.343	3.787	3.942	3.574	3.567	3.682	6.1
1,2,4-Trimethylbenzene	4.274	3.918	4.198	4.229	3.837	3.829	4.048	5.1
sec-Butylbenzene	5.471	4.771	5.433	5.480	4.989	4.891	5.172	6.3
p-Isopropyltoluene	4.212	3.789	4.238	4.310	3.976	3.887	4.069	5.2
n-Butylbenzene	4.050	3.699	4.035	4.185	3.839	3.694	3.917	5.2
Naphthalene	1.140	0.944	1.129	1.220	1.212	1.233	1.146	9.4
1,2-Dichloroethane-d4	0.638	0.526	0.525	0.539	0.482	0.481	0.532	10.8
Dibromofluoromethane	0.459	0.400	0.410	0.427	0.386	0.382	0.410	7
Toluene-d8	1.190	1.076	1.093	1.196	1.077	1.059	1.115	5.5
4-Bromofluorobenzene	0.402	0.353	0.348	0.370	0.343	0.338	0.359	6.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: MSVOA_F Calibration Date(s): 09/16/2015 09/16/2015

Heated Purge: (Y/N) Y Calibration Time(s): 13:15 15:37

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VF045388.D RRF010 = VF045389.D RRF020 = VF045390.D
RRF050 = VF045391.D RRF075 = VF045392.D RRF100 = VF045393.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF075	RRF100	$\overline{RRF}$	% RSD
Methyl tert-butyl Ether	0.170	0.238	0.262	0.258	0.256	0.263	0.241	15
Benzene	1.061	1.221	1.089	1.114	1.152	1.018	1.109	6.4
Toluene	0.835	0.984	0.853	0.870	0.828	0.756	0.855	8.7
Ethyl Benzene	1.855	2.068	1.794	1.763	1.762	1.663	1.818	7.6
m/p-Xylenes	0.677	0.742	0.653	0.629	0.632	0.576	0.651	8.5
o-Xylene	0.678	0.729	0.671	0.645	0.686	0.648	0.676	4.5
Isopropylbenzene	3.293	3.711	3.534	3.241	3.298	3.024	3.350	7.2
n-propylbenzene	4.408	4.858	4.403	3.831	4.018	3.433	4.159	12.1
1,3,5-Trimethylbenzene	2.811	3.114	2.794	2.657	2.717	2.286	2.730	9.8
tert-Butylbenzene	2.782	3.058	2.835	2.507	2.643	2.374	2.700	9.1
1,2,4-Trimethylbenzene	2.820	3.011	2.939	2.747	2.782	2.497	2.799	6.4
sec-Butylbenzene	3.915	4.268	3.885	3.557	3.638	3.256	3.753	9.3
p-Isopropyltoluene	3.109	3.538	2.996	2.632	2.825	2.433	2.922	13.3
n-Butylbenzene	2.989	3.279	3.089	2.810	2.902	2.556	2.938	8.4
Naphthalene	1.008	1.450	1.404	1.651	1.723	1.604	1.473	17.5
1,2-Dichloroethane-d4	0.517	0.590	0.511	0.562	0.513	0.530	0.537	6
Dibromofluoromethane	0.379	0.427	0.371	0.394	0.380	0.373	0.387	5.4
Toluene-d8	1.201	1.176	1.173	1.172	1.084	1.041	1.141	5.6
4-Bromofluorobenzene	0.549	0.591	0.559	0.572	0.520	0.500	0.548	6.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: MSVOA_H Calibration Date(s): 10/05/2015 10/05/2015

Heated Purge: (Y/N) N Calibration Time(s): 11:25 16:20

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VH057183.D RRF020 = VH057185.D RRF040 = VH057186.D
RRF050 = VH057187.D RRF100 = VH057188.D RRF010 = VH057190.D

COMPOUND	RRF005	RRF020	RRF040	RRF050	RRF100	RRF010	$\overline{RRF}$	% RSD
Methyl tert-butyl Ether	2.264	2.363	2.400	2.221	2.177	2.776	2.367	9.2
Benzene	1.370	1.315	1.364	1.281	1.235	1.248	1.302	4.4
Toluene	0.810	0.869	0.937	0.880	0.848	0.812	0.859	5.5
Ethyl Benzene	0.494	0.552	0.560	0.532	0.535	0.518	0.532	4.5
m/p-Xylenes	0.608	0.660	0.684	0.641	0.613	0.661	0.644	4.6
o-Xylene	0.609	0.638	0.643	0.606	0.594	0.647	0.623	3.6
Isopropylbenzene	4.991	5.057	4.862	4.563	4.507	4.614	4.766	4.9
n-propylbenzene	4.912	5.035	5.225	4.990	4.721	5.135	5.003	3.5
1,3,5-Trimethylbenzene	3.112	3.235	3.121	2.863	2.892	3.049	3.045	4.7
tert-Butylbenzene	3.175	3.171	3.009	2.690	2.553	3.232	2.972	9.6
1,2,4-Trimethylbenzene	3.209	3.264	3.266	3.016	2.890	3.120	3.127	4.8
sec-Butylbenzene	3.488	3.081	3.309	2.997	2.845	3.133	3.142	7.3
p-Isopropyltoluene	2.609	2.431	2.589	2.281	2.250	2.434	2.432	6.1
n-Butylbenzene	2.112	1.972	2.114	1.852	1.863	1.904	1.969	6
Naphthalene	0.743	1.038	1.292	1.257	1.323	0.863	1.086	22.5
1,2-Dichloroethane-d4		1.030	1.053	0.927	0.873	0.950	0.967	7.7
Dibromofluoromethane		0.449	0.423	0.410	0.372	0.425	0.416	6.8
Toluene-d8		1.229	1.188	1.130	1.069	1.165	1.156	5.2
4-Bromofluorobenzene		0.432	0.470	0.451	0.369	0.424	0.429	8.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: MSVOA_D Calibration Date/Time: 09/30/2015 11:29

Lab File ID: VD046887.D Init. Calib. Date(s): 09/18/2015 09/18/2015

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:30 15:05

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Methyl tert-butyl Ether	0.628	0.688		9.55	20
Benzene	1.492	1.439		-3.55	20
Toluene	0.920	1.025		11.41	20
Ethyl Benzene	2.114	2.301		8.85	20
m/p-Xylenes	0.667	0.739		10.8	20
o-Xylene	0.600	0.707		17.83	20
Isopropylbenzene	3.525	3.882		10.13	20
n-propylbenzene	4.977	5.444		9.38	20
1,3,5-Trimethylbenzene	2.809	3.178		13.14	20
tert-Butylbenzene	2.533	2.924		15.44	20
1,2,4-Trimethylbenzene	2.827	3.190		12.84	20
sec-Butylbenzene	3.722	4.221		13.41	20
p-Isopropyltoluene	2.926	3.314		13.26	20
n-Butylbenzene	3.303	3.806		15.23	20
Naphthalene	0.941	1.185		25.93	20
1,2-Dichloroethane-d4	0.520	0.584		12.31	20
Dibromofluoromethane	0.391	0.473		20.97	20
Toluene-d8	1.234	1.532		24.15	20
4-Bromofluorobenzene	0.497	0.659		32.6	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: MSVOA_D Calibration Date/Time: 10/09/2015 10:27

Lab File ID: VD047100.D Init. Calib. Date(s): 10/08/2015 10/08/2015

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:37 13:50

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Methyl tert-butyl Ether	0.722	0.858		18.84	20
Benzene	1.291	1.210		-6.27	20
Toluene	0.778	0.917		17.87	20
Ethyl Benzene	2.003	2.197		9.69	20
m/p-Xylenes	0.755	0.827		9.54	20
o-Xylene	0.669	0.779		16.44	20
Isopropylbenzene	5.252	5.287		0.67	20
n-propylbenzene	6.152	6.179		0.44	20
1,3,5-Trimethylbenzene	4.039	4.309		6.68	20
tert-Butylbenzene	3.682	3.923		6.55	20
1,2,4-Trimethylbenzene	4.048	4.359		7.68	20
sec-Butylbenzene	5.172	5.578		7.85	20
p-Isopropyltoluene	4.069	4.646		14.18	20
n-Butylbenzene	3.917	4.385		11.95	20
Naphthalene	1.146	1.390		21.29	20
1,2-Dichloroethane-d4	0.532	0.697		31.01	20
Dibromofluoromethane	0.410	0.435		6.1	20
Toluene-d8	1.115	1.197		7.35	20
4-Bromofluorobenzene	0.359	0.534		48.75	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: MSVOA_F Calibration Date/Time: 09/28/2015 11:31

Lab File ID: VF045499.D Init. Calib. Date(s): 09/16/2015 09/16/2015

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:15 15:37

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Methyl tert-butyl Ether	0.241	0.225		-6.64	20
Benzene	1.109	1.143		3.07	20
Toluene	0.855	0.926		8.3	20
Ethyl Benzene	1.818	2.007		10.4	20
m/p-Xylenes	0.651	0.710		9.06	20
o-Xylene	0.676	0.802		18.64	20
Isopropylbenzene	3.350	3.784		12.95	20
n-propylbenzene	4.159	4.597		10.53	20
1,3,5-Trimethylbenzene	2.730	3.022		10.7	20
tert-Butylbenzene	2.700	3.052		13.04	20
1,2,4-Trimethylbenzene	2.799	3.098		10.68	20
sec-Butylbenzene	3.753	4.213		12.26	20
p-Isopropyltoluene	2.922	3.175		8.66	20
n-Butylbenzene	2.938	3.253		10.72	20
Naphthalene	1.473	1.461		-0.81	20
1,2-Dichloroethane-d4	0.537	0.487		-9.31	20
Dibromofluoromethane	0.387	0.384		-0.77	20
Toluene-d8	1.141	1.224		7.27	20
4-Bromofluorobenzene	0.548	0.545		-0.55	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: MSVOA_H Calibration Date/Time: 10/06/2015 10:40

Lab File ID: VH057193.D Init. Calib. Date(s): 10/05/2015 10/05/2015

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:25 16:20

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Methyl tert-butyl Ether	2.367	2.486		5.03	20
Benzene	1.302	1.286		-1.23	20
Toluene	0.859	0.831		-3.26	20
Ethyl Benzene	0.532	0.546		2.63	20
m/p-Xylenes	0.644	0.646		0.31	20
o-Xylene	0.623	0.634		1.77	20
Isopropylbenzene	4.766	4.678		-1.85	20
n-propylbenzene	5.003	4.755		-4.96	20
1,3,5-Trimethylbenzene	3.045	2.956		-2.92	20
tert-Butylbenzene	2.972	2.708		-8.88	20
1,2,4-Trimethylbenzene	3.127	3.037		-2.88	20
sec-Butylbenzene	3.142	2.957		-5.89	20
p-Isopropyltoluene	2.432	2.293		-5.72	20
n-Butylbenzene	1.969	1.816		-7.77	20
Naphthalene	1.086	1.218		12.15	20
1,2-Dichloroethane-d4	0.967	0.685		-29.16	20
Dibromofluoromethane	0.416	0.347		-16.59	20
Toluene-d8	1.156	0.967		-16.35	20
4-Bromofluorobenzene	0.429	0.321		-25.17	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	G3846	**OrderDate:**	9/28/2015 9:11:53 AM
Client:	Day Environmental, Inc.	**Project:**	121 and 123 Reynolds St.
Contact:	Jeff Danzinger	**Location:**	N43

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G3846-02	**002-TB-2(5-8.2)**	**SOIL**			**09/24/15**			**09/26/15**
			SVOCMS Group1	8270D		09/28/15	10/01/15	
G3846-05	**005-TB-5(4-8)**	**SOIL**			**09/24/15**			**09/26/15**
			SVOCMS Group1	8270D		09/28/15	10/01/15	
G3846-08	**008-TB-7(8-9.7)**	**SOIL**			**09/24/15**			**09/26/15**
			SVOCMS Group1	8270D		09/28/15	10/01/15	
G3846-09	**009-TB-8(0-4)**	**SOIL**			**09/24/15**			**09/26/15**
			SVOCMS Group1	8270D		09/28/15	10/01/15	
G3846-13	**013-TB-11(0-4)**	**SOIL**			**09/24/15**			**09/26/15**
			SVOCMS Group1	8270D		09/28/15	10/01/15	
G3846-16	**016-TB-13(4-8)**	**SOIL**			**09/24/15**			**09/26/15**
			SVOCMS Group1	8270D		09/28/15	10/05/15	
G3846-16DL	**016-TB-13(4-8)DL**	**SOIL**			**09/24/15**			**09/26/15**
			SVOCMS Group1	8270D		09/28/15	10/05/15	

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Hit Summary Sheet
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 009-TB-8(0-4)									
G3846-09	009-TB-8(0-4)	SOIL	Acenaphthene	190.000	J	21.5	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Phenanthrene	3,100.000		20.5	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Anthracene	890.000		15.5	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Fluoranthene	5,200.000		15.3	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Pyrene	4,500.000		18.3	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Benzo(a)anthracene	3,600.000		36.3	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Chrysene	2,700.000		34.5	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Benzo(b)fluoranthene	4,000.000		24.9	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Benzo(k)fluoranthene	2,100.000		35.8	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Benzo(a)pyrene	3,200.000		16.4	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Indeno(1,2,3-cd)pyrene	2,000.000		25.3	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Dibenzo(a,h)anthracene	500.000	J	21.9	76.1	750	ug/Kg
G3846-09	009-TB-8(0-4)	SOIL	Benzo(g,h,i)perylene	1,900.000		30.8	76.1	750	ug/Kg
			Total Svoc :	**33,880.00**					
			Total Concentration:	**33,880.00**					
Client ID : 013-TB-11(0-4)									
G3846-13	013-TB-11(0-4)	SOIL	Phenanthrene	310.000	J	10.4	38.5	380	ug/Kg
G3846-13	013-TB-11(0-4)	SOIL	Anthracene	81.700	J	7.9	38.5	380	ug/Kg
G3846-13	013-TB-11(0-4)	SOIL	Fluoranthene	650.000		7.7	38.5	380	ug/Kg
G3846-13	013-TB-11(0-4)	SOIL	Pyrene	510.000		9.2	38.5	380	ug/Kg
G3846-13	013-TB-11(0-4)	SOIL	Benzo(a)anthracene	320.000	J	18.4	38.5	380	ug/Kg
G3846-13	013-TB-11(0-4)	SOIL	Chrysene	290.000	J	17.5	38.5	380	ug/Kg
G3846-13	013-TB-11(0-4)	SOIL	Benzo(b)fluoranthene	380.000		12.6	38.5	380	ug/Kg
G3846-13	013-TB-11(0-4)	SOIL	Benzo(k)fluoranthene	190.000	J	18.1	38.5	380	ug/Kg
G3846-13	013-TB-11(0-4)	SOIL	Benzo(a)pyrene	270.000	J	8.3	38.5	380	ug/Kg
G3846-13	013-TB-11(0-4)	SOIL	Indeno(1,2,3-cd)pyrene	200.000	J	12.8	38.5	380	ug/Kg
G3846-13	013-TB-11(0-4)	SOIL	Benzo(g,h,i)perylene	160.000	J	15.6	38.5	380	ug/Kg
			Total Svoc :	**3,361.70**					
			Total Concentration:	**3,361.70**					
Client ID : 016-TB-13(4-8)									
G3846-16	016-TB-13(4-8)	SOIL	Phenanthrene	21,900.000	E	10.1	37.3	370	ug/Kg
G3846-16	016-TB-13(4-8)	SOIL	Fluoranthene	760.000		7.5	37.3	370	ug/Kg
G3846-16	016-TB-13(4-8)	SOIL	Pyrene	1,600.000		9	37.3	370	ug/Kg
G3846-16	016-TB-13(4-8)	SOIL	Benzo(a)anthracene	170.000	J	17.8	37.3	370	ug/Kg
G3846-16	016-TB-13(4-8)	SOIL	Chrysene	130.000	J	16.9	37.3	370	ug/Kg
			Total Svoc :	**24,560.00**					
			Total Concentration:	**24,560.00**					
Client ID : 016-TB-13(4-8)DL									

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Hit Summary Sheet
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
G3846-16DL	016-TB-13(4-8)DL	SOIL	Phenanthrene	32,200.000	D	250	930	9200	ug/Kg
G3846-16DL	016-TB-13(4-8)DL	SOIL	Pyrene	4,000.000	JD	220	930	9200	ug/Kg
			Total Svoc :	**36,200.00**					
			Total Concentration:	**36,200.00**					

SAMPLE DATA

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	002-TB-2(5-8.2)	SDG No.:	G3846
Lab Sample ID:	G3846-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.4
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081927.D	1	09/28/15 12:50	10/01/15 03:55	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	360	U	9.2	36.6	360	ug/Kg
83-32-9	Acenaphthene	360	U	10.3	36.6	360	ug/Kg
86-73-7	Fluorene	360	U	13.9	36.6	360	ug/Kg
85-01-8	Phenanthrene	360	U	9.9	36.6	360	ug/Kg
120-12-7	Anthracene	360	U	7.5	36.6	360	ug/Kg
206-44-0	Fluoranthene	360	U	7.4	36.6	360	ug/Kg
129-00-0	Pyrene	360	U	8.8	36.6	360	ug/Kg
56-55-3	Benzo(a)anthracene	360	U	17.5	36.6	360	ug/Kg
218-01-9	Chrysene	360	U	16.6	36.6	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	360	U	12	36.6	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	360	U	17.3	36.6	360	ug/Kg
50-32-8	Benzo(a)pyrene	360	U	7.9	36.6	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	12.2	36.6	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	360	U	10.6	36.6	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	360	U	14.8	36.6	360	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	95.7		31 - 132		96%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		39 - 123		101%	SPK: 100
1718-51-0	Terphenyl-d14	90.2		37 - 115		90%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113258	6.9				
1146-65-2	Naphthalene-d8	432018	8.19				
15067-26-2	Acenaphthene-d10	182956	9.94				
1517-22-2	Phenanthrene-d10	291586	11.43				
1719-03-5	Chrysene-d12	307502	14.07				
1520-96-3	Perylene-d12	298667	15.53				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	002-TB-2(5-8.2)	SDG No.:	G3846
Lab Sample ID:	G3846-02	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	9.4
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081927.D	1	09/28/15 12:50	10/01/15 03:55	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	005-TB-5(4-8)	SDG No.:	G3846
Lab Sample ID:	G3846-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081928.D	1	09/28/15 12:50	10/01/15 04:26	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	390	U	9.9	39.2	390	ug/Kg
83-32-9	Acenaphthene	390	U	11.1	39.2	390	ug/Kg
86-73-7	Fluorene	390	U	14.8	39.2	390	ug/Kg
85-01-8	Phenanthrene	390	U	10.6	39.2	390	ug/Kg
120-12-7	Anthracene	390	U	8	39.2	390	ug/Kg
206-44-0	Fluoranthene	390	U	7.9	39.2	390	ug/Kg
129-00-0	Pyrene	390	U	9.4	39.2	390	ug/Kg
56-55-3	Benzo(a)anthracene	390	U	18.7	39.2	390	ug/Kg
218-01-9	Chrysene	390	U	17.8	39.2	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	390	U	12.8	39.2	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	390	U	18.5	39.2	390	ug/Kg
50-32-8	Benzo(a)pyrene	390	U	8.5	39.2	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	390	U	13.1	39.2	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	390	U	11.3	39.2	390	ug/Kg
191-24-2	Benzo(g,h,i)perylene	390	U	15.9	39.2	390	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	88.2		31 - 132		88%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.8		39 - 123		91%	SPK: 100
1718-51-0	Terphenyl-d14	74.1		37 - 115		74%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	109875	6.91				
1146-65-2	Naphthalene-d8	398656	8.19				
15067-26-2	Acenaphthene-d10	175401	9.94				
1517-22-2	Phenanthrene-d10	286706	11.43				
1719-03-5	Chrysene-d12	309726	14.07				
1520-96-3	Perylene-d12	298503	15.53				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	005-TB-5(4-8)	SDG No.:	G3846
Lab Sample ID:	G3846-05	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	15.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081928.D	1	09/28/15 12:50	10/01/15 04:26	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	008-TB-7(8-9.7)	SDG No.:	G3846
Lab Sample ID:	G3846-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081929.D	1	09/28/15 12:50	10/01/15 04:56	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	380	U	9.6	38.3	380	ug/Kg
83-32-9	Acenaphthene	380	U	10.8	38.3	380	ug/Kg
86-73-7	Fluorene	380	U	14.5	38.3	380	ug/Kg
85-01-8	Phenanthrene	380	U	10.3	38.3	380	ug/Kg
120-12-7	Anthracene	380	U	7.8	38.3	380	ug/Kg
206-44-0	Fluoranthene	380	U	7.7	38.3	380	ug/Kg
129-00-0	Pyrene	380	U	9.2	38.3	380	ug/Kg
56-55-3	Benzo(a)anthracene	380	U	18.3	38.3	380	ug/Kg
218-01-9	Chrysene	380	U	17.3	38.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	380	U	12.5	38.3	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	380	U	18	38.3	380	ug/Kg
50-32-8	Benzo(a)pyrene	380	U	8.3	38.3	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	380	U	12.7	38.3	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	380	U	11	38.3	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	380	U	15.5	38.3	380	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	89.6		31 - 132		90%	SPK: 100
321-60-8	2-Fluorobiphenyl	86		39 - 123		86%	SPK: 100
1718-51-0	Terphenyl-d14	84.9		37 - 115		85%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	110822	6.9				
1146-65-2	Naphthalene-d8	412474	8.19				
15067-26-2	Acenaphthene-d10	186600	9.94				
1517-22-2	Phenanthrene-d10	313990	11.43				
1719-03-5	Chrysene-d12	310041	14.07				
1520-96-3	Perylene-d12	292124	15.53				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	008-TB-7(8-9.7)	SDG No.:	G3846
Lab Sample ID:	G3846-08	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081929.D	1	09/28/15 12:50	10/01/15 04:56	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	009-TB-8(0-4)	SDG No.:	G3846
Lab Sample ID:	G3846-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081922.D	2	09/28/15 12:50	10/01/15 01:23	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	750	U	19.2	76.1	750	ug/Kg
83-32-9	Acenaphthene	190	J	21.5	76.1	750	ug/Kg
86-73-7	Fluorene	750	U	28.8	76.1	750	ug/Kg
85-01-8	Phenanthrene	3100		20.5	76.1	750	ug/Kg
120-12-7	Anthracene	890		15.5	76.1	750	ug/Kg
206-44-0	Fluoranthene	5200		15.3	76.1	750	ug/Kg
129-00-0	Pyrene	4500		18.3	76.1	750	ug/Kg
56-55-3	Benzo(a)anthracene	3600		36.3	76.1	750	ug/Kg
218-01-9	Chrysene	2700		34.5	76.1	750	ug/Kg
205-99-2	Benzo(b)fluoranthene	4000		24.9	76.1	750	ug/Kg
207-08-9	Benzo(k)fluoranthene	2100		35.8	76.1	750	ug/Kg
50-32-8	Benzo(a)pyrene	3200		16.4	76.1	750	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		25.3	76.1	750	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	500	J	21.9	76.1	750	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		30.8	76.1	750	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	63		31 - 132		63%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.2		39 - 123		67%	SPK: 100
1718-51-0	Terphenyl-d14	56.6		37 - 115		57%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	123618	6.9				
1146-65-2	Naphthalene-d8	479246	8.19				
15067-26-2	Acenaphthene-d10	208250	9.94				
1517-22-2	Phenanthrene-d10	329652	11.44				
1719-03-5	Chrysene-d12	291002	14.08				
1520-96-3	Perylene-d12	266626	15.54				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	009-TB-8(0-4)	SDG No.:	G3846
Lab Sample ID:	G3846-09	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081922.D	2	09/28/15 12:50	10/01/15 01:23	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	013-TB-11(0-4)	SDG No.:	G3846
Lab Sample ID:	G3846-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081923.D	1	09/28/15 12:50	10/01/15 01:54	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	380	U	9.7	38.5	380	ug/Kg
83-32-9	Acenaphthene	380	U	10.9	38.5	380	ug/Kg
86-73-7	Fluorene	380	U	14.6	38.5	380	ug/Kg
85-01-8	Phenanthrene	310	J	10.4	38.5	380	ug/Kg
120-12-7	Anthracene	81.7	J	7.9	38.5	380	ug/Kg
206-44-0	Fluoranthene	650		7.7	38.5	380	ug/Kg
129-00-0	Pyrene	510		9.2	38.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	320	J	18.4	38.5	380	ug/Kg
218-01-9	Chrysene	290	J	17.5	38.5	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	380		12.6	38.5	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	J	18.1	38.5	380	ug/Kg
50-32-8	Benzo(a)pyrene	270	J	8.3	38.5	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	J	12.8	38.5	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	380	U	11.1	38.5	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	J	15.6	38.5	380	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	97.3		31 - 132		97%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.9		39 - 123		82%	SPK: 100
1718-51-0	Terphenyl-d14	91.9		37 - 115		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	120669	6.9				
1146-65-2	Naphthalene-d8	473516	8.19				
15067-26-2	Acenaphthene-d10	215299	9.94				
1517-22-2	Phenanthrene-d10	383707	11.43				
1719-03-5	Chrysene-d12	310453	14.08				
1520-96-3	Perylene-d12	301980	15.53				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	013-TB-11(0-4)	SDG No.:	G3846
Lab Sample ID:	G3846-13	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	13.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081923.D	1	09/28/15 12:50	10/01/15 01:54	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	016-TB-13(4-8)	SDG No.:	G3846
Lab Sample ID:	G3846-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082056.D	1	09/28/15 12:50	10/05/15 20:58	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	370	U	9.4	37.3	370	ug/Kg
83-32-9	Acenaphthene	370	U	10.5	37.3	370	ug/Kg
86-73-7	Fluorene	370	U	14.1	37.3	370	ug/Kg
85-01-8	Phenanthrene	21900	E	10.1	37.3	370	ug/Kg
120-12-7	Anthracene	370	U	7.6	37.3	370	ug/Kg
206-44-0	Fluoranthene	760		7.5	37.3	370	ug/Kg
129-00-0	Pyrene	1600		9	37.3	370	ug/Kg
56-55-3	Benzo(a)anthracene	170	J	17.8	37.3	370	ug/Kg
218-01-9	Chrysene	130	J	16.9	37.3	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	370	U	12.2	37.3	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	370	U	17.6	37.3	370	ug/Kg
50-32-8	Benzo(a)pyrene	370	U	8.1	37.3	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	370	U	12.4	37.3	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	370	U	10.8	37.3	370	ug/Kg
191-24-2	Benzo(g,h,i)perylene	370	U	15.1	37.3	370	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	250	*	31 - 132		246%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.6		39 - 123		46%	SPK: 100
1718-51-0	Terphenyl-d14	93		37 - 115		93%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46068	6.9				
1146-65-2	Naphthalene-d8	83705	8.21				
15067-26-2	Acenaphthene-d10	111521	10.01				
1517-22-2	Phenanthrene-d10	73177	11.49				
1719-03-5	Chrysene-d12	121385	14.08				
1520-96-3	Perylene-d12	107997	15.51				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	016-TB-13(4-8)	SDG No.:	G3846
Lab Sample ID:	G3846-16	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082056.D	1	09/28/15 12:50	10/05/15 20:58	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	016-TB-13(4-8)DL	SDG No.:	G3846
Lab Sample ID:	G3846-16DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082057.D	25	09/28/15 12:50	10/05/15 21:28	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	9200	UD	240	930	9200	ug/Kg
83-32-9	Acenaphthene	9200	UD	260	930	9200	ug/Kg
86-73-7	Fluorene	9200	UD	350	930	9200	ug/Kg
85-01-8	Phenanthrene	32200	D	250	930	9200	ug/Kg
120-12-7	Anthracene	9200	UD	190	930	9200	ug/Kg
206-44-0	Fluoranthene	9200	UD	190	930	9200	ug/Kg
129-00-0	Pyrene	4000	JD	220	930	9200	ug/Kg
56-55-3	Benzo(a)anthracene	9200	UD	450	930	9200	ug/Kg
218-01-9	Chrysene	9200	UD	420	930	9200	ug/Kg
205-99-2	Benzo(b)fluoranthene	9200	UD	310	930	9200	ug/Kg
207-08-9	Benzo(k)fluoranthene	9200	UD	440	930	9200	ug/Kg
50-32-8	Benzo(a)pyrene	9200	UD	200	930	9200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	9200	UD	310	930	9200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	9200	UD	270	930	9200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	9200	UD	380	930	9200	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	170	*	31 - 132		167%	SPK: 100
321-60-8	2-Fluorobiphenyl	110		39 - 123		113%	SPK: 100
1718-51-0	Terphenyl-d14	100		37 - 115		103%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81268	6.88				
1146-65-2	Naphthalene-d8	286768	8.17				
15067-26-2	Acenaphthene-d10	149480	9.93				
1517-22-2	Phenanthrene-d10	283613	11.43				
1719-03-5	Chrysene-d12	251118	14.06				
1520-96-3	Perylene-d12	212198	15.5				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	016-TB-13(4-8)DL	SDG No.:	G3846
Lab Sample ID:	G3846-16DL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	10.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082057.D	25	09/28/15 12:50	10/05/15 21:28	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: 8270D

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
G3827-03MS	MGP220BR-37-38MS	Nitrobenzene-d5	100	96.55	97		31	132
		2-Fluorobiphenyl	100	80.60	81		39	123
		Terphenyl-d14	100	100.74	101		37	115
G3827-04MSD	MGP220BR-37-38MSD	Nitrobenzene-d5	100	93.54	94		31	132
		2-Fluorobiphenyl	100	88.61	89		39	123
		Terphenyl-d14	100	103.75	104		37	115
G3846-02	002-TB-2(5-8.2)	Nitrobenzene-d5	100	95.74	96		31	132
		2-Fluorobiphenyl	100	100.86	101		39	123
		Terphenyl-d14	100	90.23	90		37	115
G3846-05	005-TB-5(4-8)	Nitrobenzene-d5	100	88.16	88		31	132
		2-Fluorobiphenyl	100	90.80	91		39	123
		Terphenyl-d14	100	74.07	74		37	115
G3846-08	008-TB-7(8-9.7)	Nitrobenzene-d5	100	89.64	90		31	132
		2-Fluorobiphenyl	100	86.04	86		39	123
		Terphenyl-d14	100	84.86	85		37	115
G3846-09	009-TB-8(0-4)	Nitrobenzene-d5	100	63.00	63		31	132
		2-Fluorobiphenyl	100	67.18	67		39	123
		Terphenyl-d14	100	56.56	57		37	115
G3846-13	013-TB-11(0-4)	Nitrobenzene-d5	100	97.29	97		31	132
		2-Fluorobiphenyl	100	81.85	82		39	123
		Terphenyl-d14	100	91.93	92		37	115
G3846-16	016-TB-13(4-8)	Nitrobenzene-d5	100	245.67	246	*	31	132
		2-Fluorobiphenyl	100	45.58	46		39	123
		Terphenyl-d14	100	93.02	93		37	115
G3846-16DL	016-TB-13(4-8)DL	Nitrobenzene-d5	100	166.75	167	*	31	132
		2-Fluorobiphenyl	100	113.00	113		39	123
		Terphenyl-d14	100	102.75	103		37	115
PB85832BL	PB85832BL	Nitrobenzene-d5	100	82.85	83		31	132
		2-Fluorobiphenyl	100	78.94	79		39	123
		Terphenyl-d14	100	54.55	55		37	115
PB85832BS	PB85832BS	Nitrobenzene-d5	100	81.78	82		31	132
		2-Fluorobiphenyl	100	91.05	91		39	123
		Terphenyl-d14	100	103.54	104		37	115

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: SW8270D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: G3827-03MS		**Client Sample ID: MGP220BR-37-38MS**						**DataFile: BF082027.D**			
Acenaphthylene	1900	0	1600	ug/Kg	84				45	117	
Acenaphthene	1900	0	1600	ug/Kg	84				45	118	
Fluorene	1900	0	2000	ug/Kg	105				41	121	
Phenanthrene	1900	0	1700	ug/Kg	89				29	138	
Anthracene	1900	0	1800	ug/Kg	95				45	120	
Fluoranthene	1900	0	1700	ug/Kg	89				33	133	
Pyrene	1900	0	1700	ug/Kg	89				31	135	
Benzo(a)anthracene	1900	0	1600	ug/Kg	84				35	132	
Chrysene	1900	0	2400	ug/Kg	126				34	131	
Benzo(b)fluoranthene	1900	0	2000	ug/Kg	105				35	128	
Benzo(k)fluoranthene	1900	0	1400	ug/Kg	74				39	117	
Benzo(a)pyrene	1900	0	1800	ug/Kg	95				35	129	
Indeno(1,2,3-cd)pyrene	1900	0	1900	ug/Kg	100				30	140	
Dibenz(a,h)anthracene	1900	0	2000	ug/Kg	105				18	147	
Benzo(g,h,i)perylene	1900	0	1900	ug/Kg	100				31	132	

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: SW8270D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: G3827-04MSD		**Client Sample ID:** MGP220BR-37-38MSD						**DataFile:** BF082028.D			
Acenaphthylene	1900	0	1500	ug/Kg	79		6		45	117	20
Acenaphthene	1900	0	1500	ug/Kg	79		6		45	118	20
Fluorene	1900	0	1900	ug/Kg	100		5		41	121	20
Phenanthrene	1900	0	1600	ug/Kg	84		6		29	138	20
Anthracene	1900	0	1700	ug/Kg	89		7		45	120	20
Fluoranthene	1900	0	1500	ug/Kg	79		12		33	133	20
Pyrene	1900	0	1600	ug/Kg	84		6		31	135	20
Benzo(a)anthracene	1900	0	1500	ug/Kg	79		6		35	132	20
Chrysene	1900	0	1900	ug/Kg	100		23	*	34	131	20
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100		5		35	128	20
Benzo(k)fluoranthene	1900	0	1300	ug/Kg	68		8		39	117	20
Benzo(a)pyrene	1900	0	1700	ug/Kg	89		7		35	129	20
Indeno(1,2,3-cd)pyrene	1900	0	1800	ug/Kg	95		5		30	140	20
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100		5		18	147	20
Benzo(g,h,i)perylene	1900	0	1800	ug/Kg	95		5		31	132	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G3846

Client: Day Environmental, Inc.

Analytical Method: 8270D **DataFile:** BF081885.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB85832BS	Acenaphthylene	1700	1300	ug/Kg	76				57	101	
	Acenaphthene	1700	1500	ug/Kg	88				57	102	
	Fluorene	1700	1500	ug/Kg	88				57	101	
	Phenanthrene	1700	1400	ug/Kg	82				58	101	
	Anthracene	1700	1400	ug/Kg	82				57	102	
	Fluoranthene	1700	1400	ug/Kg	82				56	102	
	Pyrene	1700	1500	ug/Kg	88				56	106	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				56	103	
	Chrysene	1700	1200	ug/Kg	71				58	102	
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				56	103	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				55	102	
	Benzo(a)pyrene	1700	1300	ug/Kg	76				57	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				50	113	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				52	119	
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				56	105	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB85832BL

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

Lab File ID: BF081895.D Lab Sample ID: PB85832BL

Instrument ID: BNA_F Date Extracted: 09/28/2015

Matrix: (soil/water) SOIL Date Analyzed: 09/30/2015

Level: (low/med) LOW Time Analyzed: 03:55

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB85832BS	PB85832BS	BF081885.D	09/29/2015
009-TB-8(0-4)	G3846-09	BF081922.D	10/01/2015
002-TB-2(5-8.2)	G3846-02	BF081927.D	10/01/2015
005-TB-5(4-8)	G3846-05	BF081928.D	10/01/2015
008-TB-7(8-9.7)	G3846-08	BF081929.D	10/01/2015
013-TB-11(0-4)	G3846-13	BF081923.D	10/01/2015
MGP220BR-37-38MS	G3827-03MS	BF082027.D	10/03/2015
MGP220BR-37-38MSD	G3827-04MSD	BF082028.D	10/03/2015
016-TB-13(4-8)	G3846-16	BF082056.D	10/05/2015

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM SAS No.: G3846 SDG NO.: G3846

Lab File ID: BF081841.D DFTPP Injection Date: 09/28/2015

Instrument ID: BNA_F DFTPP Injection Time: 12:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.7
68	Less than 2.0% of mass 69	0.3 (1) 1
69	Mass 69 relative abundance	31.1
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	43.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	24.8
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	90.6
443	15.0 - 24.0% of mass 442	16.7 (18.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC02.5	SSTDICC02.5	BF081842.D	09/28/2015	14:29
SSTDICC010	SSTDICC010	BF081843.D	09/28/2015	15:00
SSTDICC025	SSTDICC025	BF081844.D	09/28/2015	15:30
SSTDICCC040	SSTDICCC040	BF081845.D	09/28/2015	16:01
SSTDICC050	SSTDICC050	BF081846.D	09/28/2015	16:32
SSTDICC060	SSTDICC060	BF081847.D	09/28/2015	17:02
SSTDICC080	SSTDICC080	BF081848.D	09/28/2015	17:33

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM SAS No.: G3846 SDG NO.: G3846

Lab File ID: BF081875.D DFTPP Injection Date: 09/29/2015

Instrument ID: BNA_F DFTPP Injection Time: 12:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	33.7
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	45.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	92.5
443	15.0 - 24.0% of mass 442	17.8 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF081876.D	09/29/2015	13:20
PB85832BS	PB85832BS	BF081885.D	09/29/2015	17:59

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM SAS No.: G3846 SDG NO.: G3846

Lab File ID: BF081893.D DFTPP Injection Date: 09/30/2015

Instrument ID: BNA_F DFTPP Injection Time: 02:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.7
68	Less than 2.0% of mass 69	0.3 (0.9) 1
69	Mass 69 relative abundance	30.2
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	43.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	27
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	97.3
443	15.0 - 24.0% of mass 442	18.8 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF081894.D	09/30/2015	03:15
PB85832BL	PB85832BL	BF081895.D	09/30/2015	03:55

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM SAS No.: G3846 SDG NO.: G3846

Lab File ID: BF081910.D DFTPP Injection Date: 09/30/2015

Instrument ID: BNA_F DFTPP Injection Time: 19:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	24.6
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	96.3
443	15.0 - 24.0% of mass 442	18.2 (18.9) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF081911.D	09/30/2015	19:47
009-TB-8(0-4)	G3846-09	BF081922.D	10/01/2015	01:23
013-TB-11(0-4)	G3846-13	BF081923.D	10/01/2015	01:54
002-TB-2(5-8.2)	G3846-02	BF081927.D	10/01/2015	03:55
005-TB-5(4-8)	G3846-05	BF081928.D	10/01/2015	04:26
008-TB-7(8-9.7)	G3846-08	BF081929.D	10/01/2015	04:56

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM SAS No.: G3846 SDG NO.: G3846

Lab File ID: BF082019.D DFTPP Injection Date: 10/03/2015

Instrument ID: BNA_F DFTPP Injection Time: 13:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.5
68	Less than 2.0% of mass 69	0.3 (1.1) 1
69	Mass 69 relative abundance	30.3
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	43
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	94.8
443	15.0 - 24.0% of mass 442	18.3 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF082020.D	10/03/2015	14:28
MGP220BR-37-38MS	G3827-03MS	BF082027.D	10/03/2015	17:57
MGP220BR-37-38MSD	G3827-04MSD	BF082028.D	10/03/2015	18:27

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM SAS No.: G3846 SDG NO.: G3846

Lab File ID: BF082051.D DFTPP Injection Date: 10/05/2015

Instrument ID: BNA_F DFTPP Injection Time: 18:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.8
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	30.3
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	43
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	92.9
443	15.0 - 24.0% of mass 442	17.9 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF082052.D	10/05/2015	18:56
016-TB-13(4-8)	G3846-16	BF082056.D	10/05/2015	20:58
016-TB-13(4-8)DL	G3846-16DL	BF082057.D	10/05/2015	21:28

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/29/2015

Lab File ID: BF081876.D Time Analyzed: 13:20

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	103337	6.93	406508	8.21	187567	9.97
	UPPER LIMIT	206674	7.43	813016	8.71	375134	10.47
	LOWER LIMIT	51668.5	6.43	203254	7.71	93783.5	9.47
	EPA SAMPLE NO.						
01	PB85832BS	80524	6.93	336346	8.21	171848	9.97

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/29/2015

Lab File ID: BF081876.D Time Analyzed: 13:20

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	382161	11.45	371375	14.1	308173	15.57
	UPPER LIMIT	764322	11.95	742750	14.6	616346	16.07
	LOWER LIMIT	191081	10.95	185688	13.6	154087	15.07
	EPA SAMPLE NO.						
01	PB85832BS	358621	11.45	332748	14.10	312625	15.57

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/30/2015

Lab File ID: BF081894.D Time Analyzed: 03:15

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	94834	6.93	354665	8.21	165553	9.97
	UPPER LIMIT	189668	7.43	709330	8.71	331106	10.47
	LOWER LIMIT	47417	6.43	177333	7.71	82776.5	9.47
	EPA SAMPLE NO.						
01	PB85832BL	109520	6.93	369022	8.21	182711	9.97

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/30/2015

Lab File ID: BF081894.D Time Analyzed: 03:15

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	345897	11.45	473189	14.1	347144	15.57
	UPPER LIMIT	691794	11.95	946378	14.6	694288	16.07
	LOWER LIMIT	172949	10.95	236595	13.6	173572	15.07
	EPA SAMPLE NO.						
01	PB85832BL	389659	11.45	421517	14.09	279483	15.57

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/30/2015

Lab File ID: BF081911.D Time Analyzed: 19:47

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	133769	6.9	534043	8.19	251572	9.95
	UPPER LIMIT	267538	7.4	1068090	8.69	503144	10.45
	LOWER LIMIT	66884.5	6.4	267022	7.69	125786	9.45
	EPA SAMPLE NO.						
01	002-TB-2(5-8.2)	113258	6.90	432018	8.19	182956	9.94
02	005-TB-5(4-8)	109875	6.91	398656	8.19	175401	9.94
03	008-TB-7(8-9.7)	110822	6.90	412474	8.19	186600	9.94
04	009-TB-8(0-4)	123618	6.90	479246	8.19	208250	9.94
05	013-TB-11(0-4)	120669	6.90	473516	8.19	215299	9.94

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

EPA Sample No.: SSTDCCC040 Date Analyzed: 09/30/2015

Lab File ID: BF081911.D Time Analyzed: 19:47

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	473683	11.44	317050	14.08	217937	15.53
	UPPER LIMIT	947366	11.94	634100	14.58	435874	16.03
	LOWER LIMIT	236842	10.94	158525	13.58	108969	15.03
	EPA SAMPLE NO.						
01	002-TB-2(5-8.2)	291586	11.43	307502	14.07	298667	15.53
02	005-TB-5(4-8)	286706	11.43	309726	14.07	298503	15.53
03	008-TB-7(8-9.7)	313990	11.43	310041	14.07	292124	15.53
04	009-TB-8(0-4)	329652	11.44	291002	14.08	266626	15.54
05	013-TB-11(0-4)	383707	11.43	310453	14.08	301980	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/03/2015

Lab File ID: BF082020.D Time Analyzed: 14:28

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	114424	6.89	449653	8.17	226689	9.93
	UPPER LIMIT	228848	7.39	899306	8.67	453378	10.43
	LOWER LIMIT	57212	6.39	224827	7.67	113345	9.43
	EPA SAMPLE NO.						
01	MGP220BR-37-38MS	91689	6.89	368667	8.17	186031	9.93
02	MGP220BR-37-38MSD	94581	6.89	386276	8.17	190159	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/03/2015

Lab File ID: BF082020.D Time Analyzed: 14:28

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	480951	11.43	450455	14.08	338974	15.54
	UPPER LIMIT	961902	11.93	900910	14.58	677948	16.04
	LOWER LIMIT	240476	10.93	225228	13.58	169487	15.04
	EPA SAMPLE NO.						
01	MGP220BR-37-38MS	376791	11.43	313543	14.08	255480	15.53
02	MGP220BR-37-38MSD	398655	11.43	338671	14.08	275556	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/05/2015

Lab File ID: BF082052.D Time Analyzed: 18:56

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS1 (DCB) AREA #		RT #	IS2 (NPT) AREA #		RT #	IS3 (ANT) AREA #		RT #
	12 HOUR STD	118470		6.88	472254		8.17	234153		9.93
	UPPER LIMIT	236940		7.38	944508		8.67	468306		10.43
	LOWER LIMIT	59235		6.38	236127		7.67	117077		9.43
	EPA SAMPLE NO.									
01	016-TB-13(4-8)	46068	*	6.90	83705	*	8.21	111521	*	10.01
02	016-TB-13(4-8)DL	81268		6.88	286768		8.17	149480		9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG NO.: G3846

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/05/2015

Lab File ID: BF082052.D Time Analyzed: 18:56

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS4 (PHN) AREA #		RT #	IS5 (CRY) AREA #		RT #	IS6 (PRY) AREA #		RT #
	12 HOUR STD	447802		11.42	392574		14.06	342066		15.51
	UPPER LIMIT	895604		11.92	785148		14.56	684132		16.01
	LOWER LIMIT	223901		10.92	196287		13.56	171033		15.01
	EPA SAMPLE NO.									
01	016-TB-13(4-8)	73177	*	11.49	121385	*	14.08	107997	*	15.51
02	016-TB-13(4-8)DL	283613		11.43	251118		14.06	212198		15.50

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB85832BL	SDG No.:	G3846
Lab Sample ID:	PB85832BL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081895.D	1	09/28/15 12:50	09/30/15 03:55	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	330	U	8.4	33.3	330	ug/Kg
83-32-9	Acenaphthene	330	U	9.4	33.3	330	ug/Kg
86-73-7	Fluorene	330	U	12.6	33.3	330	ug/Kg
85-01-8	Phenanthrene	330	U	9	33.3	330	ug/Kg
120-12-7	Anthracene	330	U	6.8	33.3	330	ug/Kg
206-44-0	Fluoranthene	330	U	6.7	33.3	330	ug/Kg
129-00-0	Pyrene	330	U	8	33.3	330	ug/Kg
56-55-3	Benzo(a)anthracene	330	U	15.9	33.3	330	ug/Kg
218-01-9	Chrysene	330	U	15.1	33.3	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	330	U	10.9	33.3	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	330	U	15.7	33.3	330	ug/Kg
50-32-8	Benzo(a)pyrene	330	U	7.2	33.3	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	11.1	33.3	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	330	U	9.6	33.3	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	330	U	13.5	33.3	330	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	82.9		31 - 132		83%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.9		39 - 123		79%	SPK: 100
1718-51-0	Terphenyl-d14	54.6		37 - 115		55%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	109520	6.93				
1146-65-2	Naphthalene-d8	369022	8.21				
15067-26-2	Acenaphthene-d10	182711	9.97				
1517-22-2	Phenanthrene-d10	389659	11.45				
1719-03-5	Chrysene-d12	421517	14.09				
1520-96-3	Perylene-d12	279483	15.57				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB85832BL	SDG No.:	G3846
Lab Sample ID:	PB85832BL	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081895.D	1	09/28/15 12:50	09/30/15 03:55	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB85832BS	SDG No.:	G3846
Lab Sample ID:	PB85832BS	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081885.D	1	09/28/15 12:50	09/29/15 17:59	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	1300		8.4	33.3	330	ug/Kg
83-32-9	Acenaphthene	1500		9.4	33.3	330	ug/Kg
86-73-7	Fluorene	1500		12.6	33.3	330	ug/Kg
85-01-8	Phenanthrene	1400		9	33.3	330	ug/Kg
120-12-7	Anthracene	1400		6.8	33.3	330	ug/Kg
206-44-0	Fluoranthene	1400		6.7	33.3	330	ug/Kg
129-00-0	Pyrene	1500		8	33.3	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		15.9	33.3	330	ug/Kg
218-01-9	Chrysene	1200		15.1	33.3	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		10.9	33.3	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		15.7	33.3	330	ug/Kg
50-32-8	Benzo(a)pyrene	1300		7.2	33.3	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		11.1	33.3	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		9.6	33.3	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		13.5	33.3	330	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	81.8		31 - 132		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.1		39 - 123		91%	SPK: 100
1718-51-0	Terphenyl-d14	100		37 - 115		104%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80524	6.93				
1146-65-2	Naphthalene-d8	336346	8.21				
15067-26-2	Acenaphthene-d10	171848	9.97				
1517-22-2	Phenanthrene-d10	358621	11.45				
1719-03-5	Chrysene-d12	332748	14.1				
1520-96-3	Perylene-d12	312625	15.57				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB85832BS	SDG No.:	G3846
Lab Sample ID:	PB85832BS	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF081885.D	1	09/28/15 12:50	09/29/15 17:59	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/23/15
Project:	121 and 123 Reynolds St.	Date Received:	09/24/15
Client Sample ID:	MGP220BR-37-38MS	SDG No.:	G3846
Lab Sample ID:	G3827-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082027.D	1	09/28/15 12:50	10/03/15 17:57	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	1600		9.6	37.9	380	ug/Kg
83-32-9	Acenaphthene	1600		10.7	37.9	380	ug/Kg
86-73-7	Fluorene	2000		14.3	37.9	380	ug/Kg
85-01-8	Phenanthrene	1700		10.2	37.9	380	ug/Kg
120-12-7	Anthracene	1800		7.7	37.9	380	ug/Kg
206-44-0	Fluoranthene	1700		7.6	37.9	380	ug/Kg
129-00-0	Pyrene	1700		9.1	37.9	380	ug/Kg
56-55-3	Benzo(a)anthracene	1600		18.1	37.9	380	ug/Kg
218-01-9	Chrysene	2400		17.2	37.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		12.4	37.9	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		17.9	37.9	380	ug/Kg
50-32-8	Benzo(a)pyrene	1800		8.2	37.9	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		12.6	37.9	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		10.9	37.9	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		15.4	37.9	380	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	96.6		31 - 132		97%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.6		39 - 123		81%	SPK: 100
1718-51-0	Terphenyl-d14	100		37 - 115		101%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91689	6.89				
1146-65-2	Naphthalene-d8	368667	8.17				
15067-26-2	Acenaphthene-d10	186031	9.93				
1517-22-2	Phenanthrene-d10	376791	11.43				
1719-03-5	Chrysene-d12	313543	14.08				
1520-96-3	Perylene-d12	255480	15.53				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/23/15
Project:	121 and 123 Reynolds St.	Date Received:	09/24/15
Client Sample ID:	MGP220BR-37-38MS	SDG No.:	G3846
Lab Sample ID:	G3827-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082027.D	1	09/28/15 12:50	10/03/15 17:57	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/23/15
Project:	121 and 123 Reynolds St.	Date Received:	09/24/15
Client Sample ID:	MGP220BR-37-38MSD	SDG No.:	G3846
Lab Sample ID:	G3827-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.2
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082028.D	1	09/28/15 12:50	10/03/15 18:27	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
208-96-8	Acenaphthylene	1500		9.5	37.8	370	ug/Kg
83-32-9	Acenaphthene	1500		10.7	37.8	370	ug/Kg
86-73-7	Fluorene	1900		14.3	37.8	370	ug/Kg
85-01-8	Phenanthrene	1600		10.2	37.8	370	ug/Kg
120-12-7	Anthracene	1700		7.7	37.8	370	ug/Kg
206-44-0	Fluoranthene	1500		7.6	37.8	370	ug/Kg
129-00-0	Pyrene	1600		9.1	37.8	370	ug/Kg
56-55-3	Benzo(a)anthracene	1500		18	37.8	370	ug/Kg
218-01-9	Chrysene	1900		17.1	37.8	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		12.4	37.8	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		17.8	37.8	370	ug/Kg
50-32-8	Benzo(a)pyrene	1700		8.2	37.8	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		12.6	37.8	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		10.9	37.8	370	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		15.3	37.8	370	ug/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	93.5		31 - 132		94%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.6		39 - 123		89%	SPK: 100
1718-51-0	Terphenyl-d14	100		37 - 115		104%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	94581	6.89				
1146-65-2	Naphthalene-d8	386276	8.17				
15067-26-2	Acenaphthene-d10	190159	9.93				
1517-22-2	Phenanthrene-d10	398655	11.43				
1719-03-5	Chrysene-d12	338671	14.08				
1520-96-3	Perylene-d12	275556	15.53				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/23/15
Project:	121 and 123 Reynolds St.	Date Received:	09/24/15
Client Sample ID:	MGP220BR-37-38MSD	SDG No.:	G3846
Lab Sample ID:	G3827-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Moisture:	12.2
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082028.D	1	09/28/15 12:50	10/03/15 18:27	PB85832

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
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CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: BNA_F Calibration Date(s): 09/28/2015 09/28/2015

Calibration Time(s): 14:29 17:33

LAB FILE ID: RRF2.5 = BF081842.D RRF010 = BF081843.D RRF025 = BF081844.D
RRF040 = BF081845.D RRF050 = BF081846.D RRF060 = BF081847.D

COMPOUND	RRF2.5	RRF010	RRF025	RRF040	RRF050	RRF060	RRF	% RSD
2-Fluorophenol	1.260	1.162	1.094	1.076	1.087	1.021	1.102	7.8
Phenol-d6	1.660	1.565	1.369	1.334	1.300	1.222	1.386	11.8
Nitrobenzene-d5	0.327	0.316	0.303	0.293	0.296	0.292	0.300	5.8
2-Fluorobiphenyl	1.643	1.447	1.254	1.238	1.172	1.074	1.262	17.5
Acenaphthylene	2.349	2.158	1.995	1.827	1.768	1.657	1.939	12.5
Acenaphthene	1.351	1.276	1.144	1.105	1.036	1.010	1.151	10.7
Fluorene	1.683	1.475	1.309	1.181	1.117	1.071	1.289	17.0
2,4,6-Tribromophenol	0.219	0.220	0.194	0.191	0.191	0.195	0.203	6.5
Phenanthrene	1.376	1.161	1.007	0.938	0.966	0.952	1.050	15.5
Anthracene	1.251	1.125	1.061	0.978	0.925	0.876	1.017	13.5
Fluoranthene	1.312	1.178	1.023	0.978	1.003	1.008	1.071	11.7
Pyrene	1.429	1.316	1.188	1.252	1.134	1.034	1.195	12.6
Terphenyl-d14	0.881	0.826	0.715	0.630	0.567	0.562	0.697	19.3
Benzo(a)anthracene	1.340	1.177	1.060	1.061	0.970	0.978	1.077	12.9
Chrysene	1.263	1.142	1.112	1.014	0.900	0.766	1.033	17.4
Benzo(b)fluoranthene	1.243	1.137	1.292	1.153	1.103	1.032	1.142	8.6
Benzo(k)fluoranthene	1.298	1.182	0.873	0.938	0.988	1.001	1.047	14.0
Benzo(a)pyrene	1.110	1.035	0.973	0.968	0.954	0.921	0.990	6.3
Indeno(1,2,3-cd)pyrene	0.950	0.890	0.836	0.853	0.785	0.765	0.842	7.5
Dibenzo(a,h)anthracene	0.938	0.845	0.819	0.810	0.798	0.780	0.831	6.2
Benzo(g,h,i)perylene	0.980	0.857	0.829	0.816	0.813	0.807	0.852	7.1

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: BNA_F Calibration Date/Time: 09/29/2015 13:20

Lab File ID: BF081876.D Init. Calib. Date(s): 09/28/2015 09/28/2015

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:29 17:33

GC Column: RTX-5 ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.102	0.871		-21.0	
Phenol-d6	1.386	1.244		-10.2	
Nitrobenzene-d5	0.300	0.304		1.3	
2-Fluorobiphenyl	1.262	1.364		8.1	
Acenaphthylene	1.939	1.967		1.4	
Acenaphthene	1.151	1.099		-4.5	20.0
Fluorene	1.289	1.256		-2.6	
2,4,6-Tribromophenol	0.203	0.213		4.9	
Phenanthrene	1.050	0.985		-6.2	
Anthracene	1.017	0.984		-3.2	
Fluoranthene	1.071	1.098		2.5	20.0
Pyrene	1.195	1.147		-4.0	
Terphenyl-d14	0.697	0.664		-4.7	
Benzo(a)anthracene	1.077	1.027		-4.6	
Chrysene	1.033	0.875		-15.3	
Benzo(b)fluoranthene	1.142	1.055		-7.7	
Benzo(k)fluoranthene	1.047	1.050		0.3	
Benzo(a)pyrene	0.990	0.938		-5.3	20.0
Indeno(1,2,3-cd)pyrene	0.842	0.891		5.8	
Dibenzo(a,h)anthracene	0.831	0.880		5.9	
Benzo(g,h,i)perylene	0.852	0.954		12.0	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: BNA_F Calibration Date/Time: 09/30/2015 03:15

Lab File ID: BF081894.D Init. Calib. Date(s): 09/28/2015 09/28/2015

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:29 17:33

GC Column: RTX-5 ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.102	1.236		12.2	
Phenol-d6	1.386	1.308		-5.6	
Nitrobenzene-d5	0.300	0.314		4.7	
2-Fluorobiphenyl	1.262	1.340		6.2	
Acenaphthylene	1.939	1.860		-4.1	
Acenaphthene	1.151	1.107		-3.8	20.0
Fluorene	1.289	1.393		8.1	
2,4,6-Tribromophenol	0.203	0.220		8.4	
Phenanthrene	1.050	0.996		-5.1	
Anthracene	1.017	0.969		-4.7	
Fluoranthene	1.071	1.454		35.8	20.0
Pyrene	1.195	1.088		-9.0	
Terphenyl-d14	0.697	0.612		-12.2	
Benzo(a)anthracene	1.077	0.970		-9.9	
Chrysene	1.033	0.968		-6.3	
Benzo(b)fluoranthene	1.142	1.114		-2.5	
Benzo(k)fluoranthene	1.047	0.939		-10.3	
Benzo(a)pyrene	0.990	0.945		-4.5	20.0
Indeno(1,2,3-cd)pyrene	0.842	0.755		-10.3	
Dibenzo(a,h)anthracene	0.831	0.841		1.2	
Benzo(g,h,i)perylene	0.852	0.805		-5.5	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: BNA_F Calibration Date/Time: 09/30/2015 19:47

Lab File ID: BF081911.D Init. Calib. Date(s): 09/28/2015 09/28/2015

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:29 17:33

GC Column: RTX-5 ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.102	1.022		-7.3	
Phenol-d6	1.386	1.303		-6.0	
Nitrobenzene-d5	0.300	0.280		-6.7	
2-Fluorobiphenyl	1.262	1.110		-12.0	
Acenaphthylene	1.939	1.835		-5.4	
Acenaphthene	1.151	1.104		-4.1	20.0
Fluorene	1.289	1.192		-7.5	
2,4,6-Tribromophenol	0.203	0.192		-5.4	
Phenanthrene	1.050	0.943		-10.2	
Anthracene	1.017	1.004		-1.3	
Fluoranthene	1.071	0.865		-19.2	20.0
Pyrene	1.195	1.275		6.7	
Terphenyl-d14	0.697	0.765		9.8	
Benzo(a)anthracene	1.077	0.996		-7.5	
Chrysene	1.033	1.062		2.8	
Benzo(b)fluoranthene	1.142	1.112		-2.6	
Benzo(k)fluoranthene	1.047	1.238		18.2	
Benzo(a)pyrene	0.990	1.043		5.4	20.0
Indeno(1,2,3-cd)pyrene	0.842	0.805		-4.4	
Dibenzo(a,h)anthracene	0.831	0.962		15.8	
Benzo(g,h,i)perylene	0.852	0.968		13.6	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: BNA_F Calibration Date/Time: 10/03/2015 14:28

Lab File ID: BF082020.D Init. Calib. Date(s): 09/28/2015 09/28/2015

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:29 17:33

GC Column: RTX-5 ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.102	1.040		-5.6	
Phenol-d6	1.386	1.253		-9.6	
Nitrobenzene-d5	0.300	0.312		4.0	
2-Fluorobiphenyl	1.262	1.187		-5.9	
Acenaphthylene	1.939	1.751		-9.7	
Acenaphthene	1.151	1.112		-3.4	20.0
Fluorene	1.289	1.280		-0.7	
2,4,6-Tribromophenol	0.203	0.207		2.0	
Phenanthrene	1.050	0.920		-12.4	
Anthracene	1.017	1.008		-0.9	
Fluoranthene	1.071	0.974		-9.1	20.0
Pyrene	1.195	1.050		-12.1	
Terphenyl-d14	0.697	0.624		-10.5	
Benzo(a)anthracene	1.077	1.025		-4.8	
Chrysene	1.033	0.897		-13.2	
Benzo(b)fluoranthene	1.142	1.252		9.6	
Benzo(k)fluoranthene	1.047	0.936		-10.6	
Benzo(a)pyrene	0.990	1.004		1.4	20.0
Indeno(1,2,3-cd)pyrene	0.842	0.846		0.5	
Dibenzo(a,h)anthracene	0.831	0.929		11.8	
Benzo(g,h,i)perylene	0.852	0.929		9.0	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3846 SAS No.: G3846 SDG No.: G3846

Instrument ID: BNA_F Calibration Date/Time: 10/05/2015 18:56

Lab File ID: BF082052.D Init. Calib. Date(s): 09/28/2015 09/28/2015

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:29 17:33

GC Column: RTX-5 ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.102	1.047		-5.0	
Phenol-d6	1.386	1.285		-7.3	
Nitrobenzene-d5	0.300	0.299		-0.3	
2-Fluorobiphenyl	1.262	1.145		-9.3	
Acenaphthylene	1.939	1.893		-2.4	
Acenaphthene	1.151	1.155		0.3	20.0
Fluorene	1.289	1.254		-2.7	
2,4,6-Tribromophenol	0.203	0.184		-9.4	
Phenanthrene	1.050	0.915		-12.9	
Anthracene	1.017	1.013		-0.4	
Fluoranthene	1.071	1.004		-6.3	20.0
Pyrene	1.195	1.103		-7.7	
Terphenyl-d14	0.697	0.726		4.2	
Benzo(a)anthracene	1.077	1.042		-3.3	
Chrysene	1.033	1.074		4.0	
Benzo(b)fluoranthene	1.142	0.989		-13.4	
Benzo(k)fluoranthene	1.047	1.197		14.3	
Benzo(a)pyrene	0.990	0.994		0.4	20.0
Indeno(1,2,3-cd)pyrene	0.842	0.820		-2.6	
Dibenzo(a,h)anthracene	0.831	0.776		-6.6	
Benzo(g,h,i)perylene	0.852	0.744		-12.7	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	G3846	**OrderDate:**	9/28/2015 9:11:53 AM
Client:	Day Environmental, Inc.	**Project:**	121 and 123 Reynolds St.
Contact:	Jeff Danzinger	**Location:**	N43

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G3846-05	**005-TB-5(4-8)**	**SOIL**			**09/24/15**			**09/26/15**
			Mercury	7471A		09/28/15	09/29/15	
			Metals ICP-Group1	6010C		09/30/15	09/30/15	
G3846-07	**007-TB-7(0-4)**	**SOIL**			**09/24/15**			**09/26/15**
			Mercury	7471A		09/28/15	09/29/15	
			Metals ICP-Group1	6010C		09/30/15	09/30/15	
G3846-09	**009-TB-8(0-4)**	**SOIL**			**09/24/15**			**09/26/15**
			Mercury	7471A		09/28/15	09/29/15	
			Metals ICP-Group1	6010C		09/30/15	09/30/15	
G3846-13	**013-TB-11(0-4)**	**SOIL**			**09/24/15**			**09/26/15**
			Mercury	7471A		09/28/15	09/29/15	
			Metals ICP-Group1	6010C		09/30/15	09/30/15	
G3846-16	**016-TB-13(4-8)**	**SOIL**			**09/24/15**			**09/26/15**
			Mercury	7471A		09/28/15	09/29/15	
			Metals ICP-Group1	6010C		09/30/15	09/30/15	
G3846-19	**019-TB-15(0-4)**	**SOIL**			**09/24/15**			**09/26/15**
			Mercury	7471A		09/28/15	09/29/15	
			Metals ICP-Group1	6010C		09/30/15	09/30/15	

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Hit Summary Sheet
SW-846

SDG No.: G3846 **Order ID:** G3846

Client: Day Environmental, Inc. **Project ID:** 121 and 123 Reynolds St.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 005-TB-5(4-8)									
G3846-05	005-TB-5(4-8)	SOIL	Arsenic	2.290		0.25	0.25	0.999	mg/Kg
G3846-05	005-TB-5(4-8)	SOIL	Barium	42.800		0.4	1.25	5	mg/Kg
G3846-05	005-TB-5(4-8)	SOIL	Cadmium	0.079	J	0.06	0.075	0.3	mg/Kg
G3846-05	005-TB-5(4-8)	SOIL	Chromium	5.710		0.125	0.125	0.5	mg/Kg
G3846-05	005-TB-5(4-8)	SOIL	Lead	9.510		0.12	0.25	0.6	mg/Kg
G3846-05	005-TB-5(4-8)	SOIL	Mercury	0.133		0.007	0.007	0.014	mg/Kg
G3846-05	005-TB-5(4-8)	SOIL	Silver	0.621		0.125	0.125	0.5	mg/Kg
Client ID : 007-TB-7(0-4)									
G3846-07	007-TB-7(0-4)	SOIL	Arsenic	3.680		0.246	0.246	0.982	mg/Kg
G3846-07	007-TB-7(0-4)	SOIL	Barium	86.900		0.393	1.23	4.91	mg/Kg
G3846-07	007-TB-7(0-4)	SOIL	Cadmium	0.335		0.059	0.074	0.295	mg/Kg
G3846-07	007-TB-7(0-4)	SOIL	Chromium	9.500		0.123	0.123	0.491	mg/Kg
G3846-07	007-TB-7(0-4)	SOIL	Lead	441.000		0.118	0.246	0.589	mg/Kg
G3846-07	007-TB-7(0-4)	SOIL	Mercury	0.659		0.007	0.007	0.015	mg/Kg
G3846-07	007-TB-7(0-4)	SOIL	Silver	0.989		0.123	0.123	0.491	mg/Kg
Client ID : 009-TB-8(0-4)									
G3846-09	009-TB-8(0-4)	SOIL	Arsenic	4.020		0.236	0.236	0.945	mg/Kg
G3846-09	009-TB-8(0-4)	SOIL	Barium	140.000		0.378	1.18	4.72	mg/Kg
G3846-09	009-TB-8(0-4)	SOIL	Cadmium	1.190		0.057	0.071	0.283	mg/Kg
G3846-09	009-TB-8(0-4)	SOIL	Chromium	6.790		0.118	0.118	0.472	mg/Kg
G3846-09	009-TB-8(0-4)	SOIL	Lead	486.000		0.113	0.236	0.567	mg/Kg
G3846-09	009-TB-8(0-4)	SOIL	Mercury	0.714		0.007	0.007	0.014	mg/Kg
G3846-09	009-TB-8(0-4)	SOIL	Silver	0.796		0.118	0.118	0.472	mg/Kg
Client ID : 013-TB-11(0-4)									
G3846-13	013-TB-11(0-4)	SOIL	Arsenic	1.570		0.236	0.236	0.946	mg/Kg
G3846-13	013-TB-11(0-4)	SOIL	Barium	24.500		0.378	1.18	4.73	mg/Kg
G3846-13	013-TB-11(0-4)	SOIL	Chromium	4.830		0.118	0.118	0.473	mg/Kg
G3846-13	013-TB-11(0-4)	SOIL	Lead	5.500		0.114	0.236	0.568	mg/Kg
G3846-13	013-TB-11(0-4)	SOIL	Mercury	0.166		0.008	0.008	0.016	mg/Kg
G3846-13	013-TB-11(0-4)	SOIL	Silver	0.536		0.118	0.118	0.473	mg/Kg
Client ID : 016-TB-13(4-8)									
G3846-16	016-TB-13(4-8)	SOIL	Arsenic	2.200		0.234	0.234	0.934	mg/Kg
G3846-16	016-TB-13(4-8)	SOIL	Barium	45.100		0.374	1.17	4.67	mg/Kg
G3846-16	016-TB-13(4-8)	SOIL	Cadmium	0.104	J	0.056	0.07	0.28	mg/Kg
G3846-16	016-TB-13(4-8)	SOIL	Chromium	7.280		0.117	0.117	0.467	mg/Kg
G3846-16	016-TB-13(4-8)	SOIL	Lead	90.800		0.112	0.234	0.561	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: G3846 **Order ID:** G3846

Client: Day Environmental, Inc. **Project ID:** 121 and 123 Reynolds St.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
G3846-16	016-TB-13(4-8)	SOIL	Mercury	0.013	J	0.007	0.007	0.013	mg/Kg
G3846-16	016-TB-13(4-8)	SOIL	Silver	0.769		0.117	0.117	0.467	mg/Kg
Client ID : 019-TB-15(0-4)									
G3846-19	019-TB-15(0-4)	SOIL	Arsenic	1.760		0.219	0.219	0.877	mg/Kg
G3846-19	019-TB-15(0-4)	SOIL	Barium	32.900		0.351	1.1	4.39	mg/Kg
G3846-19	019-TB-15(0-4)	SOIL	Chromium	6.500		0.11	0.11	0.439	mg/Kg
G3846-19	019-TB-15(0-4)	SOIL	Lead	12.600		0.105	0.219	0.526	mg/Kg
G3846-19	019-TB-15(0-4)	SOIL	Mercury	0.042		0.007	0.007	0.014	mg/Kg
G3846-19	019-TB-15(0-4)	SOIL	Silver	0.680		0.11	0.11	0.439	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	005-TB-5(4-8)	SDG No.:	G3846
Lab Sample ID:	G3846-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.29		1	0.25	0.25	0.999	mg/Kg	09/30/15 09:30	09/30/15 12:49	SW6010
7440-39-3	Barium	42.8	N	1	0.4	1.25	5	mg/Kg	09/30/15 09:30	09/30/15 12:49	SW6010
7440-43-9	Cadmium	0.079	J	1	0.06	0.075	0.3	mg/Kg	09/30/15 09:30	09/30/15 12:49	SW6010
7440-47-3	Chromium	5.71		1	0.125	0.125	0.5	mg/Kg	09/30/15 09:30	09/30/15 12:49	SW6010
7439-92-1	Lead	9.51		1	0.12	0.25	0.6	mg/Kg	09/30/15 09:30	09/30/15 12:49	SW6010
7439-97-6	Mercury	0.133		1	0.007	0.007	0.014	mg/Kg	09/28/15 16:30	09/29/15 15:21	SW7471A
7782-49-2	Selenium	0.999	UN	1	0.25	0.25	0.999	mg/Kg	09/30/15 09:30	09/30/15 12:49	SW6010
7440-22-4	Silver	0.621		1	0.125	0.125	0.5	mg/Kg	09/30/15 09:30	09/30/15 12:49	SW6010

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group1				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	007-TB-7(0-4)	SDG No.:	G3846
Lab Sample ID:	G3846-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	3.68		1	0.246	0.246	0.982	mg/Kg	09/30/15 09:30	09/30/15 12:54	SW6010
7440-39-3	Barium	86.9	N	1	0.393	1.23	4.91	mg/Kg	09/30/15 09:30	09/30/15 12:54	SW6010
7440-43-9	Cadmium	0.335		1	0.059	0.074	0.295	mg/Kg	09/30/15 09:30	09/30/15 12:54	SW6010
7440-47-3	Chromium	9.5		1	0.123	0.123	0.491	mg/Kg	09/30/15 09:30	09/30/15 12:54	SW6010
7439-92-1	Lead	441		1	0.118	0.246	0.589	mg/Kg	09/30/15 09:30	09/30/15 12:54	SW6010
7439-97-6	Mercury	0.659		1	0.007	0.007	0.015	mg/Kg	09/28/15 16:30	09/29/15 15:23	SW7471A
7782-49-2	Selenium	0.982	UN	1	0.246	0.246	0.982	mg/Kg	09/30/15 09:30	09/30/15 12:54	SW6010
7440-22-4	Silver	0.989		1	0.123	0.123	0.491	mg/Kg	09/30/15 09:30	09/30/15 12:54	SW6010

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group1				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	009-TB-8(0-4)	SDG No.:	G3846
Lab Sample ID:	G3846-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	4.02		1	0.236	0.236	0.945	mg/Kg	09/30/15 09:30	09/30/15 12:58	SW6010
7440-39-3	Barium	140	N	1	0.378	1.18	4.72	mg/Kg	09/30/15 09:30	09/30/15 12:58	SW6010
7440-43-9	Cadmium	1.19		1	0.057	0.071	0.283	mg/Kg	09/30/15 09:30	09/30/15 12:58	SW6010
7440-47-3	Chromium	6.79		1	0.118	0.118	0.472	mg/Kg	09/30/15 09:30	09/30/15 12:58	SW6010
7439-92-1	Lead	486		1	0.113	0.236	0.567	mg/Kg	09/30/15 09:30	09/30/15 12:58	SW6010
7439-97-6	Mercury	0.714		1	0.007	0.007	0.014	mg/Kg	09/28/15 16:30	09/29/15 15:26	SW7471A
7782-49-2	Selenium	0.945	UN	1	0.236	0.236	0.945	mg/Kg	09/30/15 09:30	09/30/15 12:58	SW6010
7440-22-4	Silver	0.796		1	0.118	0.118	0.472	mg/Kg	09/30/15 09:30	09/30/15 12:58	SW6010

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group1				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	013-TB-11(0-4)	SDG No.:	G3846
Lab Sample ID:	G3846-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	1.57		1	0.236	0.236	0.946	mg/Kg	09/30/15 09:30	09/30/15 13:11	SW6010
7440-39-3	Barium	24.5	N	1	0.378	1.18	4.73	mg/Kg	09/30/15 09:30	09/30/15 13:11	SW6010
7440-43-9	Cadmium	0.284	U	1	0.057	0.071	0.284	mg/Kg	09/30/15 09:30	09/30/15 13:11	SW6010
7440-47-3	Chromium	4.83		1	0.118	0.118	0.473	mg/Kg	09/30/15 09:30	09/30/15 13:11	SW6010
7439-92-1	Lead	5.5		1	0.114	0.236	0.568	mg/Kg	09/30/15 09:30	09/30/15 13:11	SW6010
7439-97-6	Mercury	0.166		1	0.008	0.008	0.016	mg/Kg	09/28/15 16:30	09/29/15 15:28	SW7471A
7782-49-2	Selenium	0.946	UN	1	0.236	0.236	0.946	mg/Kg	09/30/15 09:30	09/30/15 13:11	SW6010
7440-22-4	Silver	0.536		1	0.118	0.118	0.473	mg/Kg	09/30/15 09:30	09/30/15 13:11	SW6010

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group1				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	016-TB-13(4-8)	SDG No.:	G3846
Lab Sample ID:	G3846-16	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	2.2		1	0.234	0.234	0.934	mg/Kg	09/30/15 09:30	09/30/15 13:15	SW6010
7440-39-3	Barium	45.1	N	1	0.374	1.17	4.67	mg/Kg	09/30/15 09:30	09/30/15 13:15	SW6010
7440-43-9	Cadmium	0.104	J	1	0.056	0.07	0.28	mg/Kg	09/30/15 09:30	09/30/15 13:15	SW6010
7440-47-3	Chromium	7.28		1	0.117	0.117	0.467	mg/Kg	09/30/15 09:30	09/30/15 13:15	SW6010
7439-92-1	Lead	90.8		1	0.112	0.234	0.561	mg/Kg	09/30/15 09:30	09/30/15 13:15	SW6010
7439-97-6	Mercury	0.013	J	1	0.007	0.007	0.013	mg/Kg	09/28/15 16:30	09/29/15 15:31	SW7471A
7782-49-2	Selenium	0.934	UN	1	0.234	0.234	0.934	mg/Kg	09/30/15 09:30	09/30/15 13:15	SW6010
7440-22-4	Silver	0.769		1	0.117	0.117	0.467	mg/Kg	09/30/15 09:30	09/30/15 13:15	SW6010

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group1				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	019-TB-15(0-4)	SDG No.:	G3846
Lab Sample ID:	G3846-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	95

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	1.76		1	0.219	0.219	0.877	mg/Kg	09/30/15 09:30	09/30/15 13:19	SW6010
7440-39-3	Barium	32.9	N	1	0.351	1.1	4.39	mg/Kg	09/30/15 09:30	09/30/15 13:19	SW6010
7440-43-9	Cadmium	0.263	U	1	0.053	0.066	0.263	mg/Kg	09/30/15 09:30	09/30/15 13:19	SW6010
7440-47-3	Chromium	6.5		1	0.11	0.11	0.439	mg/Kg	09/30/15 09:30	09/30/15 13:19	SW6010
7439-92-1	Lead	12.6		1	0.105	0.219	0.526	mg/Kg	09/30/15 09:30	09/30/15 13:19	SW6010
7439-97-6	Mercury	0.042		1	0.007	0.007	0.014	mg/Kg	09/28/15 16:30	09/29/15 15:40	SW7471A
7782-49-2	Selenium	0.877	UN	1	0.219	0.219	0.877	mg/Kg	09/30/15 09:30	09/30/15 13:19	SW6010
7440-22-4	Silver	0.68		1	0.11	0.11	0.439	mg/Kg	09/30/15 09:30	09/30/15 13:19	SW6010

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	Metals Group1				

U = Not Detected
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METAL CALIBRATION DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV44	Mercury	4.0659	4.0	101.6	90 - 110	CV	09/29/2015	15:00	LB78084

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV48	Mercury	5.0741	5.0	101.5	90 - 110	CV	09/29/2015	15:05	LB78084
CCV49	Mercury	4.5507	5.0	91	90 - 110	CV	09/29/2015	15:33	LB78084
CCV50	Mercury	4.6627	5.0	93.3	90 - 110	CV	09/29/2015	15:57	LB78084

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	990.77	999	99.2	90 - 110	P	09/30/2015	10:52	LB78112
	Barium	525.71	503	104.5	90 - 110	P	09/30/2015	10:52	LB78112
	Cadmium	487.77	496	98.3	90 - 110	P	09/30/2015	10:52	LB78112
	Chromium	489.78	490	100	90 - 110	P	09/30/2015	10:52	LB78112
	Lead	985.61	1002	98.4	90 - 110	P	09/30/2015	10:52	LB78112
	Selenium	995.97	1029	96.8	90 - 110	P	09/30/2015	10:52	LB78112
	Silver	466.53	501	93.1	90 - 110	P	09/30/2015	10:52	LB78112

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	22.27	20.0	111.4	70 - 130	P	09/30/2015	10:56	LB78112
	Barium	98.58	100	98.6	70 - 130	P	09/30/2015	10:56	LB78112
	Cadmium	5.64	6.0	94	70 - 130	P	09/30/2015	10:56	LB78112
	Chromium	9.62	10.0	96.2	70 - 130	P	09/30/2015	10:56	LB78112
	Lead	11.54	12.0	96.2	70 - 130	P	09/30/2015	10:56	LB78112
	Selenium	20.72	20.0	103.6	70 - 130	P	09/30/2015	10:56	LB78112
	Silver	9.39	10.0	93.9	70 - 130	P	09/30/2015	10:56	LB78112

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4968.9	5000	99.4	90 - 110	P	09/30/2015	11:17	LB78112
	Barium	9958.6	10000	99.6	90 - 110	P	09/30/2015	11:17	LB78112
	Cadmium	2460.4	2500	98.4	90 - 110	P	09/30/2015	11:17	LB78112
	Chromium	976.16	1000	97.6	90 - 110	P	09/30/2015	11:17	LB78112
	Lead	4902	5000	98	90 - 110	P	09/30/2015	11:17	LB78112
	Selenium	4983.9	5000	99.7	90 - 110	P	09/30/2015	11:17	LB78112
	Silver	1216	1250	97.3	90 - 110	P	09/30/2015	11:17	LB78112

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Arsenic	21.8	20.0	109	70 - 130	P	09/30/2015	11:21	LB78112
	Barium	101.94	100	101.9	70 - 130	P	09/30/2015	11:21	LB78112
	Cadmium	5.48	6.0	91.3	70 - 130	P	09/30/2015	11:21	LB78112
	Chromium	9.53	10.0	95.3	70 - 130	P	09/30/2015	11:21	LB78112
	Lead	10.48	12.0	87.3	70 - 130	P	09/30/2015	11:21	LB78112
	Selenium	20.25	20.0	101.3	70 - 130	P	09/30/2015	11:21	LB78112
	Silver	9.8	10.0	98	70 - 130	P	09/30/2015	11:21	LB78112

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Arsenic	4884	5000	97.7	90 - 110	P	09/30/2015	13:02	LB78112
	Barium	9884.1	10000	98.8	90 - 110	P	09/30/2015	13:02	LB78112
	Cadmium	2450.3	2500	98	90 - 110	P	09/30/2015	13:02	LB78112
	Chromium	967.51	1000	96.8	90 - 110	P	09/30/2015	13:02	LB78112
	Lead	4841.9	5000	96.8	90 - 110	P	09/30/2015	13:02	LB78112
	Selenium	4952.9	5000	99.1	90 - 110	P	09/30/2015	13:02	LB78112
	Silver	1207	1250	96.6	90 - 110	P	09/30/2015	13:02	LB78112
CCV03	Arsenic	4769.7	5000	95.4	90 - 110	P	09/30/2015	13:55	LB78112
	Barium	9814.7	10000	98.1	90 - 110	P	09/30/2015	13:55	LB78112
	Cadmium	2456	2500	98.2	90 - 110	P	09/30/2015	13:55	LB78112
	Chromium	966.48	1000	96.6	90 - 110	P	09/30/2015	13:55	LB78112
	Lead	4800.2	5000	96	90 - 110	P	09/30/2015	13:55	LB78112
	Selenium	4888.6	5000	97.8	90 - 110	P	09/30/2015	13:55	LB78112
	Silver	1193.8	1250	95.5	90 - 110	P	09/30/2015	13:55	LB78112
CCV04	Arsenic	4709.3	5000	94.2	90 - 110	P	09/30/2015	15:10	LB78112
	Barium	9697.1	10000	97	90 - 110	P	09/30/2015	15:10	LB78112
	Cadmium	2417.1	2500	96.7	90 - 110	P	09/30/2015	15:10	LB78112
	Chromium	948.63	1000	94.9	90 - 110	P	09/30/2015	15:10	LB78112
	Lead	4713.6	5000	94.3	90 - 110	P	09/30/2015	15:10	LB78112
	Selenium	4884.7	5000	97.7	90 - 110	P	09/30/2015	15:10	LB78112
	Silver	1184.4	1250	94.8	90 - 110	P	09/30/2015	15:10	LB78112
CCV05	Arsenic	4634.5	5000	92.7	90 - 110	P	09/30/2015	17:01	LB78112
	Barium	9661.5	10000	96.6	90 - 110	P	09/30/2015	17:01	LB78112
	Cadmium	2421.4	2500	96.9	90 - 110	P	09/30/2015	17:01	LB78112
	Chromium	939.77	1000	94	90 - 110	P	09/30/2015	17:01	LB78112
	Lead	4700.5	5000	94	90 - 110	P	09/30/2015	17:01	LB78112
	Selenium	4827.7	5000	96.6	90 - 110	P	09/30/2015	17:01	LB78112
	Silver	1167.9	1250	93.4	90 - 110	P	09/30/2015	17:01	LB78112
CCV06	Arsenic	4892.9	5000	97.9	90 - 110	P	09/30/2015	17:23	LB78112
	Barium	10005	10000	100.1	90 - 110	P	09/30/2015	17:23	LB78112
	Cadmium	2558.3	2500	102.3	90 - 110	P	09/30/2015	17:23	LB78112
	Chromium	1006.9	1000	100.7	90 - 110	P	09/30/2015	17:23	LB78112
	Lead	4957.4	5000	99.1	90 - 110	P	09/30/2015	17:23	LB78112
	Selenium	5082.8	5000	101.7	90 - 110	P	09/30/2015	17:23	LB78112

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Silver	1253.9	1250	100.3	90 - 110	P	09/30/2015	17:23	LB78112

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV02	Arsenic	16.19	20.0	81	70 - 130	P	09/30/2015	17:27	LB78112
	Barium	100.35	100	100.4	70 - 130	P	09/30/2015	17:27	LB78112
	Cadmium	5.62	6.0	93.7	70 - 130	P	09/30/2015	17:27	LB78112
	Chromium	9.01	10.0	90.1	70 - 130	P	09/30/2015	17:27	LB78112
	Lead	11.39	12.0	94.9	70 - 130	P	09/30/2015	17:27	LB78112
	Selenium	16.77	20.0	83.9	70 - 130	P	09/30/2015	17:27	LB78112
	Silver	9.42	10.0	94.2	70 - 130	P	09/30/2015	17:27	LB78112

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.1986	0.2	99.3	40 - 160	CV	09/29/2015	15:10	LB78084
CRI01	Arsenic	17.67	20.0	88.4	40 - 160	P	09/30/2015	11:05	LB78112
	Barium	100.45	100	100.5	40 - 160	P	09/30/2015	11:05	LB78112
	Cadmium	5.62	6.0	93.7	40 - 160	P	09/30/2015	11:05	LB78112
	Chromium	9.67	10.0	96.7	40 - 160	P	09/30/2015	11:05	LB78112
	Lead	10.86	12.0	90.5	40 - 160	P	09/30/2015	11:05	LB78112
	Selenium	17.48	20.0	87.4	40 - 160	P	09/30/2015	11:05	LB78112
	Silver	9.38	10.0	93.8	40 - 160	P	09/30/2015	11:05	LB78112

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB44	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	09/29/2015	15:03	LB78084

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB48	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	09/29/2015	15:07	LB78084
CCB49	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	09/29/2015	15:35	LB78084
CCB50	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	09/29/2015	16:00	LB78084

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	09/30/2015	11:00	LB78112
	Barium	100	+/-100	U	25.0	100	P	09/30/2015	11:00	LB78112
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	09/30/2015	11:00	LB78112
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	11:00	LB78112
	Lead	12.0	+/-12.0	U	3.0	12.0	P	09/30/2015	11:00	LB78112
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	09/30/2015	11:00	LB78112
	Silver	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	11:00	LB78112

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	09/30/2015	11:26	LB78112
	Barium	100	+/-100	U	25.0	100	P	09/30/2015	11:26	LB78112
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	09/30/2015	11:26	LB78112
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	11:26	LB78112
	Lead	12.0	+/-12.0	U	3.0	12.0	P	09/30/2015	11:26	LB78112
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	09/30/2015	11:26	LB78112
	Silver	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	11:26	LB78112
CCB02	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	09/30/2015	13:07	LB78112
	Barium	100	+/-100	U	25.0	100	P	09/30/2015	13:07	LB78112
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	09/30/2015	13:07	LB78112
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	13:07	LB78112
	Lead	12.0	+/-12.0	U	3.0	12.0	P	09/30/2015	13:07	LB78112
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	09/30/2015	13:07	LB78112
	Silver	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	13:07	LB78112
CCB03	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	09/30/2015	14:20	LB78112
	Barium	100	+/-100	U	25.0	100	P	09/30/2015	14:20	LB78112
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	09/30/2015	14:20	LB78112
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	14:20	LB78112
	Lead	12.0	+/-12.0	U	3.0	12.0	P	09/30/2015	14:20	LB78112
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	09/30/2015	14:20	LB78112
	Silver	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	14:20	LB78112
CCB04	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	09/30/2015	15:14	LB78112
	Barium	100	+/-100	U	25.0	100	P	09/30/2015	15:14	LB78112
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	09/30/2015	15:14	LB78112
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	15:14	LB78112
	Lead	12.0	+/-12.0	U	3.0	12.0	P	09/30/2015	15:14	LB78112
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	09/30/2015	15:14	LB78112
	Silver	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	15:14	LB78112
CCB05	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	09/30/2015	17:09	LB78112
	Barium	100	+/-100	U	25.0	100	P	09/30/2015	17:09	LB78112
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	09/30/2015	17:09	LB78112
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	17:09	LB78112
	Lead	12.0	+/-12.0	U	3.0	12.0	P	09/30/2015	17:09	LB78112
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	09/30/2015	17:09	LB78112
	Silver	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	17:09	LB78112
CCB06	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	09/30/2015	17:31	LB78112
	Barium	100	+/-100	U	25.0	100	P	09/30/2015	17:31	LB78112
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	09/30/2015	17:31	LB78112
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	17:31	LB78112
	Lead	12.0	+/-12.0	U	3.0	12.0	P	09/30/2015	17:31	LB78112

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Selenium	20.0	+/-20.0	U	10.0	20.0	P	09/30/2015	17:31	LB78112
	Silver	10.0	+/-10.0	U	2.5	10.0	P	09/30/2015	17:31	LB78112

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number

Metals
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PREPARATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB85835BL		**SOLID**		**Batch Number:**		**PB85835**		**Prep Date:**	**09/28/2015**	
	Mercury	0.014	<0.014	U	0.007	0.014	CV	09/29/2015	15:16	LB78084

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB85854BL		**SOLID**		**Batch Number:**		**PB85854**		**Prep Date:**	**09/30/2015**	
	Arsenic	1.0	<1.0	U	0.25	1.0	P	09/30/2015	12:41	LB78112
	Barium	5.0	<5.0	U	1.25	5.0	P	09/30/2015	12:41	LB78112
	Cadmium	0.3	<0.3	U	0.075	0.3	P	09/30/2015	12:41	LB78112
	Chromium	0.5	<0.5	U	0.125	0.5	P	09/30/2015	12:41	LB78112
	Lead	0.6	<0.6	U	0.25	0.6	P	09/30/2015	12:41	LB78112
	Selenium	1.0	<1.0	U	0.25	1.0	P	09/30/2015	12:41	LB78112
	Silver	0.5	<0.5	U	0.125	0.5	P	09/30/2015	12:41	LB78112

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Metals
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INTERFERENCE CHECK SAMPLE

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	0.95			-20	20	09/30/2015	11:09	LB78112
	Barium	7.32	6.0	122	-94	106	09/30/2015	11:09	LB78112
	Cadmium	-0.07	1.0	7	-5	7	09/30/2015	11:09	LB78112
	Chromium	54.1	52.0	104	42	62	09/30/2015	11:09	LB78112
	Lead	-1.59			-12	12	09/30/2015	11:09	LB78112
	Selenium	3.06			-20	20	09/30/2015	11:09	LB78112
	Silver	4.55			-10	10	09/30/2015	11:09	LB78112
ICSAB01	Arsenic	98.4	104	94.6	83	125	09/30/2015	11:13	LB78112
	Barium	547	537	101.9	337	737	09/30/2015	11:13	LB78112
	Cadmium	1020	972	104.9	778	1166	09/30/2015	11:13	LB78112
	Chromium	549	542	101.3	434	650	09/30/2015	11:13	LB78112
	Lead	48.7	49.0	99.4	39	59	09/30/2015	11:13	LB78112
	Selenium	51.5	46.0	112	11	81	09/30/2015	11:13	LB78112
	Silver	205	201	102	161	241	09/30/2015	11:13	LB78112

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Day Environmental, Inc. **level:** low **sdg no.:** G3846

contract: DAYE01 **lab code:** CHEM **case no.:** G3846 **sas no.:** G3846

matrix: Solid **sample id:** G3846-19 **client id:** 019-TB-15(0-4)MS

Percent Solids for Sample: 95 **Spiked ID:** G3846-19MS **Percent Solids for Spike Sample:** 95

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	75 - 125	27.9		1.76		34.7	75		P
Barium	mg/Kg	75 - 125	36.8		32.9		8.7	45	N	P
Cadmium	mg/Kg	75 - 125	8.58		0.263	U	8.7	98.6		P
Chromium	mg/Kg	75 - 125	20.6		6.5		17.3	82		P
Lead	mg/Kg	75 - 125	53		12.6		43.3	93		P
Mercury	mg/Kg	75 - 125	0.279		0.042		0.27	88		CV
Selenium	mg/Kg	75 - 125	62.9		0.877	U	86.6	72.6	N	P
Silver	mg/Kg	75 - 125	3.26		0.68		3.2	81		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Day Environmental, Inc. **level:** low **sdg no.:** G3846

contract: DAYE01 **lab code:** CHEM **case no.:** G3846 **sas no.:** G3846

matrix: Solid **sample id:** G3846-19 **client id:** 019-TB-15(0-4)MSD

Percent Solids for Sample: 95 **Spiked ID:** G3846-19MSD **Percent Solids for Spike Sample:** 95

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	mg/Kg	75 - 125	27.7		1.76		34.5	75		P
Barium	mg/Kg	75 - 125	36.8		32.9		8.6	45	N	P
Cadmium	mg/Kg	75 - 125	8.55		0.263	U	8.6	99.4		P
Chromium	mg/Kg	75 - 125	20.5		6.5		17.3	81		P
Lead	mg/Kg	75 - 125	52.6		12.6		43.1	93		P
Mercury	mg/Kg	75 - 125	0.289		0.042		0.28	88		CV
Selenium	mg/Kg	75 - 125	62.6		0.877	U	86.3	72.5	N	P
Silver	mg/Kg	75 - 125	3.21		0.68		3.2	79		P

CHEMTECH

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Matrix: Solid **Level:** LOW **Client ID:** 019-TB-15(0-4)A

Sample ID: G3846-19 **Spiked ID:** G3846-19A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	mg/Kg	75 - 125	39.6		32.9		8.8	76		P
Selenium	mg/Kg	75 - 125	61.4		0.877	U	87.7	70		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Day Environmental, Inc. **Level:** LOW **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Matrix: Solid **Sample ID:** G3846-19 **Client ID:** 019-TB-15(0-4)DUP

Percent Solids for Sample: 95 **Duplicate ID** G3846-19DUP **Percent Solids for Spike Sample:** 95

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	mg/Kg	20	1.76		1.73		2		P
Barium	mg/Kg	20	32.9		31.8		3		P
Cadmium	mg/Kg	20	0.263	U	0.261	U			P
Chromium	mg/Kg	20	6.5		6.56		1		P
Lead	mg/Kg	20	12.6		12.3		2		P
Mercury	mg/Kg	20	0.042		0.046		9		CV
Selenium	mg/Kg	20	0.877	U	0.87	U			P
Silver	mg/Kg	20	0.68		0.656		4		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Day Environmental, Inc. **Level:** LOW **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Matrix: Solid **Sample ID:** G3846-19MS **Client ID:** 019-TB-15(0-4)MSD

Percent Solids for Sample: 95 **Duplicate ID** G3846-19MSD **Percent Solids for Spike Sample:** 95

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	mg/Kg	20	27.9		27.7		1		P
Barium	mg/Kg	20	36.8		36.8		0		P
Cadmium	mg/Kg	20	8.58		8.55		0		P
Chromium	mg/Kg	20	20.6		20.5		0		P
Lead	mg/Kg	20	53		52.6		1		P
Mercury	mg/Kg	20	0.279		0.289		4		CV
Selenium	mg/Kg	20	62.9		62.6		0		P
Silver	mg/Kg	20	3.26		3.21		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB85835BS							
Mercury	mg/Kg	0.26	0.236		90.8	70 - 130	CV

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Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB85854BS							
Arsenic	mg/Kg	40.0	37.5		93.8	70 - 130	P
Barium	mg/Kg	10.0	10.45		104.5	70 - 130	P
Cadmium	mg/Kg	10.0	9.42		94.2	70 - 130	P
Chromium	mg/Kg	20.0	19.1		95.5	70 - 130	P
Lead	mg/Kg	50.0	46.8		93.6	70 - 130	P
Selenium	mg/Kg	100	95.8		95.8	70 - 130	P
Silver	mg/Kg	3.8	3.29		86.6	70 - 130	P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

019-TB-15(0-4)L

Lab Name: Chemtech Consulting Group **Contract:** DAYE01

Lab Code: CHEM **Lb No.:** lb78112 **Lab Sample ID :** G3846-19L **SDG No.:** G3846

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	1.76		2.48	J	41		P
Barium	32.9		39.7		21		P
Cadmium	0.263	U	1.32	U			P
Chromium	6.5		8.12		25		P
Lead	12.6		13		3		P
Mercury	0.042		0.037	J	12		CV
Selenium	0.877	U	4.39	U			P
Silver	0.68		0.649	J	5		P

METAL PREPARATION & INSTRUMENT DATA

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Metals

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Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Instrument ID: P4 **Preparation Method:**

Analyte	Wave- length (nm)	MDL	LOD	PQL	Date:
SOLIDS					
Method:	**6010C**				
Arsenic	189.04	0.25	0.25	1	
Barium	493.41	0.4	1.25	5	
Cadmium	226.50	0.06	0.075	0.3	
Chromium	267.72	0.125	0.125	0.5	
Lead	220.35	0.12	0.25	0.6	
Selenium	196.02	0.25	0.25	1	
Silver	328.07	0.125	0.125	0.5	

Metals

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Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Instrument ID: CV1 **Preparation Method:**

Analyte	Wave- length (nm)	MDL	LOD	PQL	Date:
SOLIDS					
Method:	**7471A**				
Mercury	253.70	0.005	0.005	0.01	

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0001030	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000840	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0001070	0.0000000	0.0000280	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001280	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001170	0.0000000	0.0000000

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0002660
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0011220	0.0000000	0.0000000	0.0000000	0.0015300
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000600
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0002280	0.0000000
Lead	220.353	-0.0003060	0.0000000	0.0000000	0.0001250	-0.0013650
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0006680	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	-0.0000930	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0002444	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	-0.0040370	0.0000000

Metals

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LINEAR RANGES

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3846 **SAS No.:** G3846

Instrument ID: P4 **Date:** 02/20/2015

Analyte	Integration Time (sec)	LDR ug/L
Arsenic	10	90000
Barium	10	100000
Cadmium	10	10000
Chromium	10	85000
Lead	10	280000
Selenium	10	45000
Silver	10	8500

METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Method:**

Case No.: G3846 **SAS No.:** G3846

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB85835**						
G3846-05	005-TB-5(4-8)	SAM	SOLID	09/28/2015	0.57	35.0	84.80
G3846-07	007-TB-7(0-4)	SAM	SOLID	09/28/2015	0.55	35.0	85.90
G3846-09	009-TB-8(0-4)	SAM	SOLID	09/28/2015	0.56	35.0	87.50
G3846-13	013-TB-11(0-4)	SAM	SOLID	09/28/2015	0.52	35.0	86.30
G3846-16	016-TB-13(4-8)	SAM	SOLID	09/28/2015	0.59	35.0	89.20
G3846-19	019-TB-15(0-4)	SAM	SOLID	09/28/2015	0.52	35.0	95.00
G3846-19DUP	019-TB-15(0-4)DUP	DUP	SOLID	09/28/2015	0.52	35.0	95.00
G3846-19MS	019-TB-15(0-4)MS	MS	SOLID	09/28/2015	0.55	35.0	95.00
G3846-19MSD	019-TB-15(0-4)MSD	MSD	SOLID	09/28/2015	0.53	35.0	95.00
PB85835BL	PB85835BL	MB	SOLID	09/28/2015	0.50	35.0	100.00
PB85835BS	PB85835BS	LCS	SOLID	09/28/2015	0.54	35.0	100.00

Metals
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SAMPLE PREPARATION SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3846

Contract: DAYE01 **Lab Code:** CHEM **Method:**

Case No.: G3846 **SAS No.:** G3846

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB85854**						
G3846-05	005-TB-5(4-8)	SAM	SOLID	09/30/2015	2.36	100.0	84.80
G3846-07	007-TB-7(0-4)	SAM	SOLID	09/30/2015	2.37	100.0	85.90
G3846-09	009-TB-8(0-4)	SAM	SOLID	09/30/2015	2.42	100.0	87.50
G3846-13	013-TB-11(0-4)	SAM	SOLID	09/30/2015	2.45	100.0	86.30
G3846-16	016-TB-13(4-8)	SAM	SOLID	09/30/2015	2.40	100.0	89.20
G3846-19	019-TB-15(0-4)	SAM	SOLID	09/30/2015	2.40	100.0	95.00
G3846-19DUP	019-TB-15(0-4)DUP	DUP	SOLID	09/30/2015	2.42	100.0	95.00
G3846-19MS	019-TB-15(0-4)MS	MS	SOLID	09/30/2015	2.43	100.0	95.00
G3846-19MSD	019-TB-15(0-4)MSD	MSD	SOLID	09/30/2015	2.44	100.0	95.00
PB85854BL	PB85854BL	MB	SOLID	09/30/2015	2.00	100.0	100.00
PB85854BS	PB85854BS	LCS	SOLID	09/30/2015	2.00	100.0	100.00

metals
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ANALYSIS RUN LOG

Client: Day Environmental, Inc. **Contract:** DAYE01

Lab code: CHEM **Case no.:** G3846 **Sas no.:** G3846 **Sdg no.:** G3846

Instrument id number: **Method:** **Run number:** LB78084

Start date: 09/29/2015 **End date:** 09/29/2015

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1441	HG
S0.2	S0.2	1	1443	HG
S2.5	S2.5	1	1445	HG
S5	S5	1	1447	HG
S7.5	S7.5	1	1450	HG
S10	S10	1	1455	HG
ICV44	ICV44	1	1500	HG
ICB44	ICB44	1	1503	HG
CCV48	CCV48	1	1505	HG
CCB48	CCB48	1	1507	HG
CRA	CRA	1	1510	HG
PB85835BL	PB85835BL	1	1516	HG
PB85835BS	PB85835BS	1	1519	HG
G3846-05	005-TB-5(4-8)	1	1521	HG
G3846-07	007-TB-7(0-4)	1	1523	HG
G3846-09	009-TB-8(0-4)	1	1526	HG
G3846-13	013-TB-11(0-4)	1	1528	HG
G3846-16	016-TB-13(4-8)	1	1531	HG
CCV49	CCV49	1	1533	HG
CCB49	CCB49	1	1535	HG
G3846-19	019-TB-15(0-4)	1	1540	HG
G3846-19DUP	019-TB-15(0-4)DUP	1	1542	HG
G3846-19MS	019-TB-15(0-4)MS	1	1545	HG
G3846-19MSD	019-TB-15(0-4)MSD	1	1547	HG
G3846-19L	019-TB-15(0-4)L	5	1553	HG
CCV50	CCV50	1	1557	HG
CCB50	CCB50	1	1600	HG

metals
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ANALYSIS RUN LOG

Client: Day Environmental, Inc. **Contract:** DAYE01

Lab code: CHEM **Case no.:** G3846 **Sas no.:** G3846 **Sdg no.:** G3846

Instrument id number: **Method:** **Run number:** LB78112

Start date: 09/30/2015 **End date:** 09/30/2015

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1026	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1031	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1035	,
S3	S3	1	1039	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1043	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1047	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1052	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1056	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1100	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1105	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1109	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1113	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1117	Ag,As,Ba,Cd,Cr,Pb,Se
LLCCV01	LLCCV01	1	1121	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1126	Ag,As,Ba,Cd,Cr,Pb,Se
PB85854BL	PB85854BL	1	1241	Ag,As,Ba,Cd,Cr,Pb,Se
PB85854BS	PB85854BS	1	1245	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-05	005-TB-5(4-8)	1	1249	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-07	007-TB-7(0-4)	1	1254	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-09	009-TB-8(0-4)	1	1258	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1302	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1307	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-13	013-TB-11(0-4)	1	1311	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-16	016-TB-13(4-8)	1	1315	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-19	019-TB-15(0-4)	1	1319	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-19DUP	019-TB-15(0-4)DUP	1	1340	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-19L	019-TB-15(0-4)L	5	1344	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-19MS	019-TB-15(0-4)MS	1	1351	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1355	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1420	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-19MSD	019-TB-15(0-4)MSD	1	1424	Ag,As,Ba,Cd,Cr,Pb,Se
G3846-19A	019-TB-15(0-4)A	1	1505	Ba,Se
CCV04	CCV04	1	1510	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1514	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1701	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1709	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1723	Ag,As,Ba,Cd,Cr,Pb,Se
LLCCV02	LLCCV02	1	1727	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1731	Ag,As,Ba,Cd,Cr,Pb,Se

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G3846
QUOTE NO. Q1506120 G3846
COC Number 034963

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT PROJECT INFORMATION

PROJECT NAME: 121-123 Reynolds Street
PROJECT NO.: 5136.5-15 LOCATION: Rochester, NY
PROJECT MANAGER: Jeff Danzinger
e-mail: jdanzinger@daymail.net
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT BILLING INFORMATION

BILL TO: Day Environmental, Inc. PO#: 5136.5-15
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION

FAX: Std 10 DAYS*
HARD COPY: Std 10 DAYS*
EDD: Std 10 DAYS*
PREAPPROVED TAT: ☒ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☒ EDD Format: NYSDEC Equis Excel
☒ Others NYSDEC ASP Category B

ANALYSIS

1 TAL Pb (CP-51) VOCs 8260
2 TAL Pb (CP-51) SVOCs 8270
3 RCRA Metals 6010/7471
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	001-TB-1(5-B)	Soil		X	9-24-15	1323	2	X									
2.	002-TB-2(5-B.2)	Soil		X	9-24-15	1313	1	X	X								
3.	003-TB-3(5-B.5)	Soil		X	9-24-15	1300	1	X									
4.	004-TB-4(5-9)	Soil		X	9-24-15	1250	1	X									
5.	005-TB-5(4-B)	Soil		X	9-24-15	1200	2	X	X	X							
6.	006-TB-6(6-B.B)	Soil		X	9-24-15	1147	1	X									
7.	007-TB-7(0-4)	Soil		X	9-24-15	947	1			X							
8.	008-TB-7(B-9.7)	Soil		X	9-24-15	952	1	X	X								
9.	009-TB-B(0-4)	Soil		X	9-24-15	922	2		X	X							
10.	010-TB-B(B-9.7)	Soil		X	9-24-15	930	1	X									

PRESERVATIVES: E E E
COMMENTS: ← Specify Preservatives
A-HCl B-HNO_3 C-H_2SO_4 D-NaOH E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	9-25-15/1430	1. Fedex
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. Fedex	9/26/15 11:10	3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Cooler Temp. 5°c
Ice in Cooler?: ✓

Page 1 of 3

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT
Shipment Complete: ☒ YES ☐ NO

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G3846
QUOTE NO. Q1506120
COC Number 034964

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT PROJECT INFORMATION

PROJECT NAME: 121-123 Reynolds Street
PROJECT NO.: 5136.5-15 LOCATION: Rochester, NY
PROJECT MANAGER: Jeff Danzinger
e-mail: jdanzinger@daymail.net
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT BILLING INFORMATION

BILL TO: Day Environmental, Inc. PO#: 5136.5-15
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION

FAX: Std 10 DAYS *
HARD COPY: Std 10 DAYS *
EDD: Std. 10 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☒ EDD Format: NYSDEC Equis Excel
☒ Others NYSDEC ASP Category B

ANALYSIS

1 STARS/CP-51 VOCs 8260
2 STARS/CP-51 SVOCs 8270
3 Total BCRA Metals 6010/7471
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	D11-TB-9 (B-9.7)	Soil		X	9-24-15	1022	1	X									
2.	D12-TB-10 (B-9.5)	Soil		X	9-24-15	916	1	X									
3.	D13-TB-11 (0-4)	Soil		X	9-24-15	1026	2		X	X							
4.	D14-TB-11 (B-9.2)	Soil		X	9-24-15	1034	1	X									
5.	D15-TB-12 (B-B.B)	Soil		X	9-24-15	1132	1	X									
6.	D16-TB-13 (4-B)	Soil		X	9-24-15	1043	2		X	X							
7.	D17-TB-13 (B-9.2)	Soil		X	9-24-15	1048	1	X									
8.	D18-TB-14 (B.-9.4)	Soil		X	9-24-15	900	1	X									
9.	D19-TB-15 (0-4)	Soil		X	9-24-15	1106	1			X							
10.	D20-TB-15 (4-B)	Soil		X	9-24-15	1109	1	X									

PRESERVATIVES: ← Specify Preservatives
A – HCl B – HNO_3 C – H_2SO_4 D – NaOH E – ICE F – Other

COMMENTS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	9-25-15/1430	1. Fedex
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. Fedex	9/26/15 11:10	3. Corey Pettitt

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
Cooler Temp. 5°C
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Ice in Cooler?: ✓

Page 2 of 3

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G3846
QUOTE NO. Q1506120
COC Number 034965

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT PROJECT INFORMATION

PROJECT NAME: 121-123 Reynolds Street
PROJECT NO.: 5136$-15 LOCATION: Rochester, NY
PROJECT MANAGER: Jeff Danzinger
e-mail: jdanzinger@daymail.net
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT BILLING INFORMATION

BILL TO: Day Environmental, Inc. PO#: 5136$-15
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger PHONE: 585-454-0210

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☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☒ EDD Format: NYSDEC Equis Excel
☒ Others NYSDEC ASP Category B

ANALYSIS

1 STARS (8260 VOCs) 2 3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	021-TB-16(8-9.8)	Soil		X	9-24-15	845	1	X									
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Specify Preservatives: A – HCl B – HNO_3 C – H_2SO_4 D – NaOH E – ICE F – Other

9-25-15

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	9-25-15/1430	1. Fedex
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. Fedex	9/26/15 11:10	3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
Cooler Temp. 5°C
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Ice in Cooler?: ✓

Page 3 of 3

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Louisiana	5035
Maryland	296
Massachusetts	M-NJ503
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other :

DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

ANALYTICAL RESULTS SUMMARY

METALS

PROJECT NAME : 121 AND 123 REYNOLDS ST.

DAY ENVIRONMENTAL, INC.

Canalside Business Center, 1563 Lyell Avenue

Rochester, NY - 14606

Phone No: 585-454-0210

ORDER ID : G4091

ATTENTION : Jeff Danzinger

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

Table Of Contents for G4091

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6) Shipping Document 55

6.1) CHAIN OF CUSTODY 56

6.2) ROC 57

6.3) Lab Certificate 59

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : G4091

Project ID : 121 and 123 Reynolds St.

Client : Day Environmental, Inc.

Lab Sample Number	Client Sample Number
G4091-01	007-TB-7(0-4)
G4091-02	009-TB-8(0-4)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

Date: 10/29/2015

By Mildred V Reyes, QAQC Supervisor at 10:44 am, Oct 29, 2015

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
007-TB-7(0-4)	G4091-01					6010B, 7470A	
009-TB-8(0-4)	G4091-02					6010B, 7470A	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
G4091-01	TCLP	TCLP ICP Metals	09/26/15	10/20/15	10/20/15
G4091-02	TCLP	TCLP ICP Metals	09/26/15	10/20/15	10/20/15

* Details For Test :TCLP ICP Metals

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
G4091-01	TCLP	TCLP Mercury	09/26/15	10/20/15	10/21/15
G4091-02	TCLP	TCLP Mercury	09/26/15	10/20/15	10/21/15

* Details For Test :TCLP Mercury

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Day Environmental, Inc.
Project Name: 121 and 123 Reynolds St.
Project # N/A
Chemtech Project # G4091
Test Name: TCLP Mercury,TCLP ICP Metals

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 09/26/2015.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: TCLP Extraction, TCLP ICP Metals, TCLP Mercury and TCLP METALS. This data package contains results for TCLP Mercury,TCLP ICP Metals.

C. Analytical Techniques:
The analysis of TCLP ICP Metals was based on method 6010B, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis except for G4091-02----009-TB-8(0-4) and G4091-01----007-TB-7(0-4)For Mercury.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
LLICV and LLCCV is not required for 6010B Analytical Method.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____ Mildred V Reyes __

APPROVED
By Mildred V Reyes, QAQC Supervisor at 10:44 am, Oct 29, 2015

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: G4091

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: UPENDRA VIRRURA REVIEWED By kalpana, Data Reviewer at 8:39 am, Oct 29, 2015 **Date:** 10/29/2015

2nd Level QA Review Signature: _____ **Date:** _____

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

LAB CHRONICLE

OrderID:	G4091	**OrderDate:**	10/19/2015 9:21:00 AM
Client:	Day Environmental, Inc.	**Project:**	121 and 123 Reynolds St.
Contact:	Jeff Danzinger	**Location:**	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G4091-01	**007-TB-7(0-4)**	**TCLP**			**09/24/15**			**09/26/15**
			TCLP ICP Metals	6010B		10/20/15	10/20/15	
			TCLP Mercury	7470A		10/20/15	10/21/15	
G4091-02	**009-TB-8(0-4)**	**TCLP**			**09/24/15**			**09/26/15**
			TCLP ICP Metals	6010B		10/20/15	10/20/15	
			TCLP Mercury	7470A		10/20/15	10/21/15	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: G4091 **Order ID:** G4091

Client: Day Environmental, Inc. **Project ID:** 121 and 123 Reynolds St.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 007-TB-7(0-4)									
G4091-01	007-TB-7(0-4)	TCLP	Barium	1,610.000		40	125	500	ug/L
G4091-01	007-TB-7(0-4)	TCLP	Cadmium	5.200	J	5	7.5	30	ug/L
G4091-01	007-TB-7(0-4)	TCLP	Chromium	27.000	J	11	12.5	50	ug/L
G4091-01	007-TB-7(0-4)	TCLP	Lead	269.000		15	15.0	60	ug/L
G4091-01	007-TB-7(0-4)	TCLP	Selenium	125.000		48	50.0	100	ug/L
Client ID : 009-TB-8(0-4)									
G4091-02	009-TB-8(0-4)	TCLP	Barium	1,260.000		40	125	500	ug/L
G4091-02	009-TB-8(0-4)	TCLP	Cadmium	20.500	J	5	7.5	30	ug/L
G4091-02	009-TB-8(0-4)	TCLP	Chromium	21.700	J	11	12.5	50	ug/L
G4091-02	009-TB-8(0-4)	TCLP	Lead	239.000		15	15.0	60	ug/L
G4091-02	009-TB-8(0-4)	TCLP	Selenium	142.000		48	50.0	100	ug/L

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	007-TB-7(0-4)	SDG No.:	G4091
Lab Sample ID:	G4091-01	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	100	U	1	25	25.0	100	ug/L	10/20/15 11:00	10/20/15 13:49	SW6010
7440-39-3	Barium	1610		1	40	125	500	ug/L	10/20/15 11:00	10/20/15 13:49	SW6010
7440-43-9	Cadmium	5.2	J	1	5	7.5	30	ug/L	10/20/15 11:00	10/20/15 13:49	SW6010
7440-47-3	Chromium	27	J	1	11	12.5	50	ug/L	10/20/15 11:00	10/20/15 13:49	SW6010
7439-92-1	Lead	269		1	15	15.0	60	ug/L	10/20/15 11:00	10/20/15 13:49	SW6010
7439-97-6	Mercury	2	U	1	1	1.0	2	ug/L	10/20/15 15:23	10/21/15 11:06	SW7470A
7782-49-2	Selenium	125		1	48	50.0	100	ug/L	10/20/15 11:00	10/20/15 13:49	SW6010
7440-22-4	Silver	50	U	1	12.5	12.5	50	ug/L	10/20/15 11:00	10/20/15 13:49	SW6010

Color Before:	Colorless	Clarity Before:		Texture:	Clear
Color After:	Colorless	Clarity After:		Artifacts:	Clear
Comments:	TCLP METALS				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/24/15
Project:	121 and 123 Reynolds St.	Date Received:	09/26/15
Client Sample ID:	009-TB-8(0-4)	SDG No.:	G4091
Lab Sample ID:	G4091-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	100	U	1	25	25.0	100	ug/L	10/20/15 11:00	10/20/15 14:23	SW6010
7440-39-3	Barium	1260		1	40	125	500	ug/L	10/20/15 11:00	10/20/15 14:23	SW6010
7440-43-9	Cadmium	20.5	J	1	5	7.5	30	ug/L	10/20/15 11:00	10/20/15 14:23	SW6010
7440-47-3	Chromium	21.7	J	1	11	12.5	50	ug/L	10/20/15 11:00	10/20/15 14:23	SW6010
7439-92-1	Lead	239		1	15	15.0	60	ug/L	10/20/15 11:00	10/20/15 14:23	SW6010
7439-97-6	Mercury	2	U	1	1	1.0	2	ug/L	10/20/15 15:23	10/21/15 11:19	SW7470A
7782-49-2	Selenium	142		1	48	50.0	100	ug/L	10/20/15 11:00	10/20/15 14:23	SW6010
7440-22-4	Silver	50	U	1	12.5	12.5	50	ug/L	10/20/15 11:00	10/20/15 14:23	SW6010

Color Before:	Colorless	Clarity Before:		Texture:	Clear
Color After:	Colorless	Clarity After:		Artifacts:	Clear
Comments:	TCLP METALS				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV17	Mercury	3.9642	4.0	99.1	90 - 110	CV	10/21/2015	10:45	LB78378

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Mercury	5.0936	5.0	101.9	90 - 110	CV	10/21/2015	10:49	LB78378
CCV11	Mercury	5.1282	5.0	102.6	90 - 110	CV	10/21/2015	11:15	LB78378
CCV12	Mercury	5.1484	5.0	103	90 - 110	CV	10/21/2015	11:32	LB78378

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	1000.9	999	100.2	90 - 110	P	10/20/2015	12:22	LB78376
	Barium	541.67	503	107.7	90 - 110	P	10/20/2015	12:22	LB78376
	Cadmium	492.45	496	99.3	90 - 110	P	10/20/2015	12:22	LB78376
	Chromium	484.19	490	98.8	90 - 110	P	10/20/2015	12:22	LB78376
	Lead	986.55	1002	98.5	90 - 110	P	10/20/2015	12:22	LB78376
	Selenium	1016.3	1029	98.8	90 - 110	P	10/20/2015	12:22	LB78376
	Silver	513.56	501	102.5	90 - 110	P	10/20/2015	12:22	LB78376

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	18.12	20.0	90.6	70 - 130	P	10/20/2015	12:26	LB78376
	Barium	108.91	100	108.9	70 - 130	P	10/20/2015	12:26	LB78376
	Cadmium	5.77	6.0	96.2	70 - 130	P	10/20/2015	12:26	LB78376
	Chromium	9.3	10.0	93	70 - 130	P	10/20/2015	12:26	LB78376
	Lead	11.48	12.0	95.7	70 - 130	P	10/20/2015	12:26	LB78376
	Selenium	20.14	20.0	100.7	70 - 130	P	10/20/2015	12:26	LB78376
	Silver	9.21	10.0	92.1	70 - 130	P	10/20/2015	12:26	LB78376

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5134.3	5000	102.7	90 - 110	P	10/20/2015	12:54	LB78376
	Barium	10909	10000	109.1	90 - 110	P	10/20/2015	12:54	LB78376
	Cadmium	2572	2500	102.9	90 - 110	P	10/20/2015	12:54	LB78376
	Chromium	971.83	1000	97.2	90 - 110	P	10/20/2015	12:54	LB78376
	Lead	5021.3	5000	100.4	90 - 110	P	10/20/2015	12:54	LB78376
	Selenium	5149.9	5000	103	90 - 110	P	10/20/2015	12:54	LB78376
	Silver	1231.9	1250	98.6	90 - 110	P	10/20/2015	12:54	LB78376

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Arsenic	20.85	20.0	104.3	70 - 130	P	10/20/2015	12:58	LB78376
	Barium	112.72	100	112.7	70 - 130	P	10/20/2015	12:58	LB78376
	Cadmium	5.83	6.0	97.2	70 - 130	P	10/20/2015	12:58	LB78376
	Chromium	9.09	10.0	90.9	70 - 130	P	10/20/2015	12:58	LB78376
	Lead	10.8	12.0	90	70 - 130	P	10/20/2015	12:58	LB78376
	Selenium	21	20.0	105	70 - 130	P	10/20/2015	12:58	LB78376
	Silver	9.08	10.0	90.8	70 - 130	P	10/20/2015	12:58	LB78376

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Arsenic	5083.4	5000	101.7	90 - 110	P	10/20/2015	14:14	LB78376
	Barium	10846	10000	108.5	90 - 110	P	10/20/2015	14:14	LB78376
	Cadmium	2531.5	2500	101.3	90 - 110	P	10/20/2015	14:14	LB78376
	Chromium	950.74	1000	95.1	90 - 110	P	10/20/2015	14:14	LB78376
	Lead	4937.1	5000	98.7	90 - 110	P	10/20/2015	14:14	LB78376
	Selenium	5106.3	5000	102.1	90 - 110	P	10/20/2015	14:14	LB78376
	Silver	1215	1250	97.2	90 - 110	P	10/20/2015	14:14	LB78376
CCV03	Arsenic	5130.9	5000	102.6	90 - 110	P	10/20/2015	15:24	LB78376
	Barium	10827	10000	108.3	90 - 110	P	10/20/2015	15:24	LB78376
	Cadmium	2566.8	2500	102.7	90 - 110	P	10/20/2015	15:24	LB78376
	Chromium	967.68	1000	96.8	90 - 110	P	10/20/2015	15:24	LB78376
	Lead	5002.9	5000	100.1	90 - 110	P	10/20/2015	15:24	LB78376
	Selenium	5124.5	5000	102.5	90 - 110	P	10/20/2015	15:24	LB78376
	Silver	1228.9	1250	98.3	90 - 110	P	10/20/2015	15:24	LB78376

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV02	Arsenic	18.63	20.0	93.2	70 - 130	P	10/20/2015	15:28	LB78376
	Barium	110.47	100	110.5	70 - 130	P	10/20/2015	15:28	LB78376
	Cadmium	5.69	6.0	94.8	70 - 130	P	10/20/2015	15:28	LB78376
	Chromium	9.03	10.0	90.3	70 - 130	P	10/20/2015	15:28	LB78376
	Lead	10.94	12.0	91.2	70 - 130	P	10/20/2015	15:28	LB78376
	Selenium	22.4	20.0	112	70 - 130	P	10/20/2015	15:28	LB78376
	Silver	8.83	10.0	88.3	70 - 130	P	10/20/2015	15:28	LB78376

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	18.91	20.0	94.6	40 - 160	P	10/20/2015	12:34	LB78376
	Barium	109.61	100	109.6	40 - 160	P	10/20/2015	12:34	LB78376
	Cadmium	5.77	6.0	96.2	40 - 160	P	10/20/2015	12:34	LB78376
	Chromium	9.29	10.0	92.9	40 - 160	P	10/20/2015	12:34	LB78376
	Lead	12.06	12.0	100.5	40 - 160	P	10/20/2015	12:34	LB78376
	Selenium	19.8	20.0	99	40 - 160	P	10/20/2015	12:34	LB78376
	Silver	9.48	10.0	94.8	40 - 160	P	10/20/2015	12:34	LB78376
CRA	Mercury	0.1963	0.2	98.2	40 - 160	CV	10/21/2015	10:53	LB78378

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB17	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	10/21/2015	10:47	LB78378

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	10/21/2015	10:51	LB78378
CCB11	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	10/21/2015	11:17	LB78378
CCB12	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	10/21/2015	11:34	LB78378

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	10/20/2015	12:30	LB78376
	Barium	100	+/-100	U	25.0	100	P	10/20/2015	12:30	LB78376
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	10/20/2015	12:30	LB78376
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	10/20/2015	12:30	LB78376
	Lead	12.0	+/-12.0	U	3.0	12.0	P	10/20/2015	12:30	LB78376
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/20/2015	12:30	LB78376
	Silver	10.0	+/-10.0	U	2.5	10.0	P	10/20/2015	12:30	LB78376

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	10/20/2015	13:02	LB78376
	Barium	100	+/-100	U	25.0	100	P	10/20/2015	13:02	LB78376
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	10/20/2015	13:02	LB78376
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	10/20/2015	13:02	LB78376
	Lead	12.0	+/-12.0	U	3.0	12.0	P	10/20/2015	13:02	LB78376
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/20/2015	13:02	LB78376
	Silver	10.0	+/-10.0	U	2.5	10.0	P	10/20/2015	13:02	LB78376
CCB02	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	10/20/2015	14:18	LB78376
	Barium	100	+/-100	U	25.0	100	P	10/20/2015	14:18	LB78376
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	10/20/2015	14:18	LB78376
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	10/20/2015	14:18	LB78376
	Lead	12.0	+/-12.0	U	3.0	12.0	P	10/20/2015	14:18	LB78376
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/20/2015	14:18	LB78376
	Silver	10.0	+/-10.0	U	2.5	10.0	P	10/20/2015	14:18	LB78376
CCB03	Arsenic	20.0	+/-20.0	U	5.0	20.0	P	10/20/2015	15:32	LB78376
	Barium	100	+/-100	U	25.0	100	P	10/20/2015	15:32	LB78376
	Cadmium	6.0	+/-6.0	U	1.5	6.0	P	10/20/2015	15:32	LB78376
	Chromium	10.0	+/-10.0	U	2.5	10.0	P	10/20/2015	15:32	LB78376
	Lead	12.0	+/-12.0	U	3.0	12.0	P	10/20/2015	15:32	LB78376
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/20/2015	15:32	LB78376
	Silver	10.0	+/-10.0	U	2.5	10.0	P	10/20/2015	15:32	LB78376

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G4091

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB86200BL		**WATER**		**Batch Number:**		**PB86200**		**Prep Date:**	**10/20/2015**	
	Mercury	0.2	<0.2	U	0.1	0.2	CV	10/21/2015	11:00	LB78378

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB86200TB		**WATER**		**Batch Number:**		**PB86200**		**Prep Date:**	**10/20/2015**	
	Mercury	2.0	<2.0	U	1.0	2.0	CV	10/21/2015	11:04	LB78378

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G4091

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB86191BL		**WATER**		**Batch Number:**		**PB86191**		**Prep Date:**	**10/20/2015**	
	Arsenic	100	<100	U	25.0	100	P	10/20/2015	13:37	LB78376
	Barium	500	<500	U	125	500	P	10/20/2015	13:37	LB78376
	Cadmium	30.0	<30.0	U	7.5	30.0	P	10/20/2015	13:37	LB78376
	Chromium	50.0	<50.0	U	12.5	50.0	P	10/20/2015	13:37	LB78376
	Lead	60.0	<60.0	U	15.0	60.0	P	10/20/2015	13:37	LB78376
	Selenium	100	<100	U	50.0	100	P	10/20/2015	13:37	LB78376
	Silver	50.0	<50.0	U	12.5	50.0	P	10/20/2015	13:37	LB78376

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB86191TB		**WATER**		**Batch Number:**		**PB86191**		**Prep Date:**	**10/20/2015**	
	Arsenic	100	<100	U	25.0	100	P	10/20/2015	14:35	LB78376
	Barium	500	<500	U	125	500	P	10/20/2015	14:35	LB78376
	Cadmium	30.0	<30.0	U	7.5	30.0	P	10/20/2015	14:35	LB78376
	Chromium	18.2	<50.0	J	12.5	50.0	P	10/20/2015	14:35	LB78376
	Lead	60.0	<60.0	U	15.0	60.0	P	10/20/2015	14:35	LB78376
	Selenium	100	<100	U	50.0	100	P	10/20/2015	14:35	LB78376
	Silver	50.0	<50.0	U	12.5	50.0	P	10/20/2015	14:35	LB78376

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	17.4			-20	20	10/20/2015	12:45	LB78376
	Barium	12.9	6.0	215	-94	106	10/20/2015	12:45	LB78376
	Cadmium	0.53	1.0	53	-5	7	10/20/2015	12:45	LB78376
	Chromium	52.2	52.0	100.4	42	62	10/20/2015	12:45	LB78376
	Lead	-8.23			-12	12	10/20/2015	12:45	LB78376
	Selenium	8.19			-20	20	10/20/2015	12:45	LB78376
	Silver	-6.89			-10	10	10/20/2015	12:45	LB78376
ICSAB01	Arsenic	115	104	110.6	83	125	10/20/2015	12:50	LB78376
	Barium	587	537	109.3	337	737	10/20/2015	12:50	LB78376
	Cadmium	1070	972	110.1	778	1166	10/20/2015	12:50	LB78376
	Chromium	546	542	100.7	434	650	10/20/2015	12:50	LB78376
	Lead	45.4	49.0	92.7	39	59	10/20/2015	12:50	LB78376
	Selenium	56.4	46.0	122.6	11	81	10/20/2015	12:50	LB78376
	Silver	220	201	109.5	161	241	10/20/2015	12:50	LB78376

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Day Environmental, Inc. **level:** low **sdg no.:** G4091

contract: DAYE01 **lab code:** CHEM **case no.:** G4091 **sas no.:** G4091

matrix: WATER **sample id:** G4091-01 **client id:** 007-TB-7(0-4)MS

Percent Solids for Sample: NA **Spiked ID:** G4091-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4280		100	U	4000	107		P
Barium	ug/L	75 - 125	2840		1610		1000	123		P
Cadmium	ug/L	75 - 125	1070		5.2	J	1000	106		P
Chromium	ug/L	75 - 125	2070		27	J	2000	102		P
Lead	ug/L	75 - 125	5360		269		5000	102		P
Mercury	ug/L	75 - 125	38.6		2.0	U	40.0	96.5		CV
Selenium	ug/L	75 - 125	10700		125		10000	106		P
Silver	ug/L	75 - 125	329		50.0	U	380	86.6		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Day Environmental, Inc. **level:** low **sdg no.:** G4091

contract: DAYE01 **lab code:** CHEM **case no.:** G4091 **sas no.:** G4091

matrix: WATER **sample id:** G4091-01 **client id:** 007-TB-7(0-4)MSD

Percent Solids for Sample: NA **Spiked ID:** G4091-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4280		100	U	4000	107		P
Barium	ug/L	75 - 125	2810		1610		1000	120		P
Cadmium	ug/L	75 - 125	1060		5.2	J	1000	105		P
Chromium	ug/L	75 - 125	2080		27	J	2000	103		P
Lead	ug/L	75 - 125	5350		269		5000	102		P
Mercury	ug/L	75 - 125	37.9		2.0	U	40.0	94.8		CV
Selenium	ug/L	75 - 125	10700		125		10000	106		P
Silver	ug/L	75 - 125	329		50.0	U	380	86.6		P

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Metals
- 5b -

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Day Environmental, Inc. **Level:** LOW **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Matrix: WATER **Sample ID:** G4091-01 **Client ID:** 007-TB-7(0-4)DUP

Percent Solids for Sample: NA **Duplicate ID** G4091-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	1610		1610		0		P
Cadmium	ug/L	20	5.2	J	30.0	U	200.0		P
Chromium	ug/L	20	27	J	28.4	J	5		P
Lead	ug/L	20	269		257		5		P
Mercury	ug/L	20	2.0	U	2.0	U			CV
Selenium	ug/L	20	125		130		4		P
Silver	ug/L	20	50.0	U	50.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Day Environmental, Inc. **Level:** LOW **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Matrix: WATER **Sample ID:** G4091-01MS **Client ID:** 007-TB-7(0-4)MSD

Percent Solids for Sample: NA **Duplicate ID** G4091-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4280		4280		0		P
Barium	ug/L	20	2840		2810		1		P
Cadmium	ug/L	20	1070		1060		1		P
Chromium	ug/L	20	2070		2080		0		P
Lead	ug/L	20	5360		5350		0		P
Mercury	ug/L	20	38.6		37.9		2		CV
Selenium	ug/L	20	10700		10700		0		P
Silver	ug/L	20	329		329		0		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB86191BS							
Arsenic	ug/L	4000	3950		98.8	80 - 120	P
Barium	ug/L	1000	1130		113	80 - 120	P
Cadmium	ug/L	1000	988		98.8	80 - 120	P
Chromium	ug/L	2000	1930		96.5	80 - 120	P
Lead	ug/L	5000	4850		97	80 - 120	P
Selenium	ug/L	10000	9870		98.7	80 - 120	P
Silver	ug/L	380	338		88.9	80 - 120	P

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Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB86200BS							
Mercury	ug/L	4.0	3.82		95.5	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

007-TB-7(0-4)L

Lab Name: Chemtech Consulting Group **Contract:** DAYE01

Lab Code: CHEM **Lb No.:** lb78376 **Lab Sample ID :** G4091-01L **SDG No.:** G4091

Matrix (soil/water): WATER **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	1610		1990	J	24		P
Cadmium	5.2	J	150	U	100.0		P
Chromium	27	J	250	U	100.0		P
Lead	269		320		19		P
Mercury	2.0	U	10.0	U			CV
Selenium	125		264	J	111		P
Silver	50.0	U	250	U			P

METAL PREPARATION & INSTRUMENT DATA

Metals

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Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Instrument ID: P4 **Preparation Method:**

Analyte	Wave- length (nm)	MDL	LOD	PQL	Date:
LIQUID					
Method:	**6010B**				
Arsenic	189.04	2.5	2.5	10	
Barium	493.41	4	12.5	50	
Cadmium	226.50	0.5	0.75	3	
Chromium	267.72	1.1	1.25	5	
Lead	220.35	1.5	1.5	6	
Selenium	196.02	4.8	5.0	10	
Silver	328.07	1.25	1.25	5	

Metals

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Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Instrument ID: CV1 **Preparation Method:**

Analyte	Wave- length (nm)	MDL	LOD	PQL	Date:
LIQUID					
Method:	**7470A**				
Mercury	253.70	0.1	0.1	0.2	

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0001030	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000840	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0001070	0.0000000	0.0000280	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001280	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001170	0.0000000	0.0000000

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0002660
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0011220	0.0000000	0.0000000	0.0000000	0.0015300
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000600
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0002280	0.0000000
Lead	220.353	-0.0003060	0.0000000	0.0000000	0.0001250	-0.0013650
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0006680	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	-0.0000930	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0002444	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	-0.0040370	0.0000000

Metals

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LINEAR RANGES

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G4091 **SAS No.:** G4091

Instrument ID: P4 **Date:** 02/20/2015

Analyte	Integration Time (sec)	LDR ug/L
Arsenic	10	90000
Barium	10	100000
Cadmium	10	10000
Chromium	10	85000
Lead	10	280000
Selenium	10	45000
Silver	10	8500

METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Method:**

Case No.: G4091 **SAS No.:** G4091

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB86191**						
G4091-01	007-TB-7(0-4)	SAM	WATER	10/20/2015	5.0	25.0	
G4091-01DUP	007-TB-7(0-4)DUP	DUP	WATER	10/20/2015	5.0	25.0	
G4091-01MS	007-TB-7(0-4)MS	MS	WATER	10/20/2015	5.0	25.0	
G4091-01MSD	007-TB-7(0-4)MSD	MSD	WATER	10/20/2015	5.0	25.0	
G4091-02	009-TB-8(0-4)	SAM	WATER	10/20/2015	5.0	25.0	
PB86191BL	PB86191BL	MB	WATER	10/20/2015	5.0	25.0	
PB86191BS	PB86191BS	LCS	WATER	10/20/2015	5.0	25.0	
PB86191TB	PB86191TB	MB	WATER	10/20/2015	5.0	25.0	

Metals
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SAMPLE PREPARATION SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G4091

Contract: DAYE01 **Lab Code:** CHEM **Method:**

Case No.: G4091 **SAS No.:** G4091

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB86200**						
G4091-01	007-TB-7(0-4)	SAM	WATER	10/20/2015	3.0	30.0	
G4091-01DUP	007-TB-7(0-4)DUP	DUP	WATER	10/20/2015	3.0	30.0	
G4091-01MS	007-TB-7(0-4)MS	MS	WATER	10/20/2015	3.0	30.0	
G4091-01MSD	007-TB-7(0-4)MSD	MSD	WATER	10/20/2015	3.0	30.0	
G4091-02	009-TB-8(0-4)	SAM	WATER	10/20/2015	3.0	30.0	
PB86200BL	PB86200BL	MB	WATER	10/20/2015	30.0	30.0	
PB86200BS	PB86200BS	LCS	WATER	10/20/2015	30.0	30.0	
PB86200TB	PB86200TB	MB	WATER	10/20/2015	3.0	30.0	

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metals
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ANALYSIS RUN LOG

Client: Day Environmental, Inc. **Contract:** DAYE01

Lab code: CHEM **Case no.:** G4091 **Sas no.:** G4091 **Sdg no.:** G4091

Instrument id number: **Method:** **Run number:** LB78376

Start date: 10/20/2015 **End date:** 10/20/2015

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1149	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1153	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1157	,
S3	S3	1	1201	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1205	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1209	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1222	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1226	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1230	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1234	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1245	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1250	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1254	Ag,As,Ba,Cd,Cr,Pb,Se
LLCCV01	LLCCV01	1	1258	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1302	Ag,As,Ba,Cd,Cr,Pb,Se
PB86191BL	PB86191BL	1	1337	Ag,As,Ba,Cd,Cr,Pb,Se
PB86191BS	PB86191BS	1	1341	Ag,As,Ba,Cd,Cr,Pb,Se
G4091-01	007-TB-7(0-4)	1	1349	Ag,As,Ba,Cd,Cr,Pb,Se
G4091-01DUP	007-TB-7(0-4)DUP	1	1354	Ag,As,Ba,Cd,Cr,Pb,Se
G4091-01L	007-TB-7(0-4)L	5	1358	Ag,As,Ba,Cd,Cr,Pb,Se
G4091-01MS	007-TB-7(0-4)MS	1	1402	Ag,As,Ba,Cd,Cr,Pb,Se
G4091-01MSD	007-TB-7(0-4)MSD	1	1406	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1414	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1418	Ag,As,Ba,Cd,Cr,Pb,Se
G4091-02	009-TB-8(0-4)	1	1423	Ag,As,Ba,Cd,Cr,Pb,Se
PB86191TB	PB86191TB	1	1435	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1524	Ag,As,Ba,Cd,Cr,Pb,Se
LLCCV02	LLCCV02	1	1528	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1532	Ag,As,Ba,Cd,Cr,Pb,Se

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metals
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ANALYSIS RUN LOG

Client: Day Environmental, Inc. **Contract:** DAYE01

Lab code: CHEM **Case no.:** G4091 **Sas no.:** G4091 **Sdg no.:** G4091

Instrument id number: **Method:** **Run number:** LB78378

Start date: 10/21/2015 **End date:** 10/21/2015

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1031	HG
S0.2	S0.2	1	1034	HG
S2.5	S2.5	1	1036	HG
S5	S5	1	1038	HG
S7.5	S7.5	1	1040	HG
S10	S10	1	1042	HG
ICV17	ICV17	1	1045	HG
ICB17	ICB17	1	1047	HG
CCV10	CCV10	1	1049	HG
CCB10	CCB10	1	1051	HG
CRA	CRA	1	1053	HG
PB86200BL	PB86200BL	1	1100	HG
PB86200BS	PB86200BS	1	1102	HG
PB86200TB	PB86200TB	1	1104	HG
G4091-01	007-TB-7(0-4)	1	1106	HG
G4091-01DUP	007-TB-7(0-4)DUP	1	1108	HG
G4091-01MS	007-TB-7(0-4)MS	1	1111	HG
G4091-01MSD	007-TB-7(0-4)MSD	1	1113	HG
CCV11	CCV11	1	1115	HG
CCB11	CCB11	1	1117	HG
G4091-02	009-TB-8(0-4)	1	1119	HG
G4091-01L	007-TB-7(0-4)L	5	1128	HG
CCV12	CCV12	1	1132	HG
CCB12	CCB12	1	1134	HG

SHIPPING DOCUMENTS

G4091

6.1

CHEMTECH

CHAIN OF CUSTODY RECORD

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www.chemtech.net

CHEMTECH PROJECT NO. G4091
QUOTE NO. Q150512D G3846
COC Number 034963 (2)

10/19/15

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Day Environmental Inc.
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger
PHONE: 585-454-0210 FAX: 585-454-0325

CLIENT PROJECT INFORMATION

PROJECT NAME: 121-123 Reynolds Street
PROJECT NO: 5136S-15 LOCATION: Rochester, NY
PROJECT MANAGER: Jeff Danzinger
e-mail: jdanzinger@daymail.net
PHONE: 585-454-0210 FAX: 585-454-0325

CLIENT BILLING INFORMATION

BILL TO: Day Environmental Inc. PO#: 5136S-15
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION

FAX: std 10 DAYS *
HARD COPY: std 10 DAYS *
EDD: std 10 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☒ EDD Format: NYSDEC EQuIS Excel
☒ Others NYSDEC ASP Category B

ANALYSIS

1 TCL VOCs (CLP) + STARS (CLP) + TICs
2 TCL SVOCs (CLP) + STARS (CLP) + TICs
3 RCRA 8 Metals (Ag, As, Ba, Cd, Cr, Pb, Hg, Se)
4 TCLP Metals (Ag, As, Ba, Cd, Cr, Pb, Hg, Se)
5 TCLP VOCs
6 TCLP SVOCs
7 TCLP Pesticides
8 TCLP Herbicides
9 TCLP TAL Metals

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	001-TB-1(5-5)	Soil		X	9-24-15	1323	2	X									
2.	002-TB-2(5-8.2)	Soil		X	9-24-15	1313	1	X	X								
3.	003-TB-3(5-9.5)	Soil		X	9-24-15	1305	1	X									
4.	004-TB-4(5-9)	Soil		X	9-24-15	1250	1	X									
5.	005-TB-5(4-8)	Soil		X	9-24-15	1200	2	X	X	X							
6.	006-TB-6(8-8.8)	Soil		X	9-24-15	1147	1	X									
7.	007-TB-7(0-4)	Soil		X	9-24-15	947	1			X		X					
8.	008-TB-7(8-9.7)	Soil		X	9-24-15	952	1	X	X								
9.	009-TB-8(0-4)	Soil		X	9-24-15	922	2		X	X		X					
10.	010-TB-8(8-9.7)	Soil		X	9-24-15	930	1	X									

COMMENTS

Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

Please run TCLP metals on soil Dup-1
10/19/15
G3846
Copy
Original Documents are included in CSF
Signature
10-19-15
Date

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	
1.	9-25-15 1430	1. Fedex	
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3. Fedex	9/26/15 11:10	3. Anna Pistatti	

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 5°c
Ice in Cooler?: ✓

Page 1 of 3

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007
G3846

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

202 of 205

From: Jeff Danzinger <JDanzinger@daymail.net>
Sent: Monday, October 19, 2015 09:35
To: 'Snehal Mehta'
Cc: 'Steven Kim'
Subject: RE: 121-123 Reynolds Street, Rochester, NY

Snehal,

Std TAT 10 BD is fine.

Thanks,

Jeff

From: Snehal Mehta [mailto:Snehal@chemtech.net]
Sent: Monday, October 19, 2015 9:35 AM
To: Jeff Danzinger
Cc: 'Steven Kim'
Subject: RE: 121-123 Reynolds Street, Rochester, NY

Good Morning,

We have assigned work order as per your request. Please let us know if STD TAT (10-Business days) is fine.

Regards,

Snehal Mehta

Tel. 908 728 3149
Fax: 908-789-8514



From: Jeff Danzinger [mailto:JDanzinger@daymail.net]
Sent: Monday, October 19, 2015 9:11 AM
To: 'Snehal Mehta'
Cc: 'Steven Kim'
Subject: 121-123 Reynolds Street, Rochester, NY

Hi Snehal,

We would like to have Chemtech analyze DAY soil samples 007-TB-7(0-4) and 009-TB-8(0-4) analyzed for TCLP Metals (1311, 6010, 7470).

See attached Chain-Of-Custody

Please provide a response concerning this request.

Thanks,

Jeff

Jeffrey A. Danzinger
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:114
Fax: (585) 454-0825

This message may contain information that is privileged or confidential. If you are not the intended recipient or an employee or agent responsible for delivering this message to the intended recipient, you are not authorized to read, print, retain, copy or disseminate this message or any part of it. If you received this transmission in error, please notify the sender by reply e-mail and delete the message and any attachments.

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Louisiana	5035
Maryland	296
Massachusetts	M-NJ503
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other :

DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS

PROJECT NAME : 121 AND 123 REYNOLDS ST.

DAY ENVIRONMENTAL, INC.

Canalside Business Center, 1563 Lyell Avenue

Rochester, NY - 14606

Phone No: 585-454-0210

ORDER ID : G3976

ATTENTION : Jeff Danzinger

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

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6.1) CHAIN OF CUSTODY 57

6.2) Air Bill 58

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Cover Page

Order ID : G3976

Project ID : 121 and 123 Reynolds St.

Client : Day Environmental, Inc.

Lab Sample Number	Client Sample Number
G3976-01	022-MW-2(8-9.4)
G3976-02	023-MW-3(8-8.8)
G3976-03	024-MW-4(9)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

Date: 10/23/2015

By Mildred V Reyes, QAQC Supervisor at 1:53 pm, Oct 23, 2015

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
022-MW-2(8-9.4)	G3976-01	8260B					Chemtech -SOP
023-MW-3(8-8.8)	G3976-02	8260B					Chemtech -SOP
024-MW-4(9)	G3976-03	8260B					Chemtech -SOP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
G3976-01	SOIL	10/07/15	10/07/15		10/16/15
G3976-02	SOIL	10/07/15	10/07/15		10/20/15
G3976-03	SOIL	10/06/15	10/07/15		10/20/15

*** Details For Test :** VOCMS Group1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
G3976-01	Solid	8260B	5035		
G3976-02	Solid	8260B	5035		
G3976-03	Solid	8260B	5035		

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CASE NARRATIVE

Day Environmental, Inc.
Project Name: 121 and 123 Reynolds St.
Project # N/A
Chemtech Project # G3976
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/07/2015.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOCMS Group1 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for 022-MW-2(8-9.4) [1,2-Dichloroethane-d4 - 121%], 022-MW-2(8-9.4)ME [1,2-Dichloroethane-d4 - 124%] and 023-MW-3(8-8.8) [1,2-Dichloroethane-d4 - 123%, 4-Bromofluorobenzene - 261%].

The Internal Standards Areas met the acceptable requirements except for 022-MW-2(8-9.4) and 023-MW-3(8-8.8) due to the matrix of the samples.
The Retention Times were acceptable for all samples.

The RPD for {VF1016SBSD01} with File ID: VF045675.D recoveries met criteria except for Methyl tert-butyl Ether[27%] .

The Blank Spike for {VF1016SBS01} with File ID: VF045669.D met requirements for all samples except for Methyl tert-butyl Ether[132%] .
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

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The %RSD is greater than 15% in the Initial Calibration (Method 82H1002015W.M) for Naphthalene. This compound is passing on Linear regression.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Samples 022-MW-2(8-9.4), 022-MW-2(8-9.4) ME and 023-MW-3(8-8.8) were diluted due to high concentrations of target compounds.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is less than the %RSD criteria for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is greater than %RSD for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

APPROVED
By Mildred V Reyes, QAQC Supervisor at 1:53 pm, Oct 23, 2015

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: G3976

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: MILDRED V REYES **Date:** 10/23/2015

2nd Level QA Review Signature: Mildred V Reyes

APPROVED
By Mildred V Reyes, QAQC Supervisor at 1:53 pm, Oct 23, 2015

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

LAB CHRONICLE

OrderID:	G3976	**OrderDate:**	10/8/2015 9:36:00 AM
Client:	Day Environmental, Inc.	**Project:**	121 and 123 Reynolds St.
Contact:	Jeff Danzinger	**Location:**	O62

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G3976-01	**022-MW-2(8-9.4)**	**SOIL**			**10/07/15**			**10/07/15**
			VOCMS Group1	8260B			10/16/15	
G3976-01ME	**022-MW-2(8-9.4)ME**	**SOIL**			**10/07/15**			**10/07/15**
			VOCMS Group1	8260B			10/21/15	
G3976-01MEDL	**022-MW-2(8-9.4)MEDL**	**SOIL**			**10/07/15**			**10/07/15**
			VOCMS Group1	8260B			10/21/15	
G3976-02	**023-MW-3(8-8.8)**	**SOIL**			**10/07/15**			**10/07/15**
			VOCMS Group1	8260B			10/20/15	
G3976-02ME	**023-MW-3(8-8.8)ME**	**SOIL**			**10/07/15**			**10/07/15**
			VOCMS Group1	8260B			10/21/15	
G3976-03	**024-MW-4(9)**	**SOIL**			**10/06/15**			**10/07/15**
			VOCMS Group1	8260B			10/20/15	

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Hit Summary Sheet
SW-846

SDG No.: G3976

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**022-MW-2(8-9.4)**								
G3976-01	022-MW-2(8-9.4)	SOIL	Benzene	49.00		0.42	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	Toluene	80.70		0.55	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	Ethyl Benzene	840.00	E	0.55	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	m/p-Xylenes	2,300.00	E	0.8	1.1	11.1	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	o-Xylene	1,200.00	E	0.55	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	Isopropylbenzene	830.00	E	0.53	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	n-propylbenzene	1,100.00	E	0.4	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	1,3,5-Trimethylbenzene	1,700.00	E	0.5	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	1,2,4-Trimethylbenzene	2,500.00	E	0.55	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	sec-Butylbenzene	800.00	E	0.55	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	p-Isopropyltoluene	1,500.00	E	0.32	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	n-Butylbenzene	540.00	E	0.51	0.55	5.5	ug/Kg
G3976-01	022-MW-2(8-9.4)	SOIL	Naphthalene	1,600.00	E	0.5	0.55	5.5	ug/Kg
			Total Voc :	15039.7					
			Total Concentration:	15039.7					
Client ID:	**022-MW-2(8-9.4)ME**								
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	Ethyl Benzene	2,000.00	D	55.7	55.7	560	ug/Kg
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	m/p-Xylenes	6,700.00	D	80.2	110	1100	ug/Kg
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	o-Xylene	3,400.00	D	55.7	55.7	560	ug/Kg
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	Isopropylbenzene	1,100.00	D	53.4	55.7	560	ug/Kg
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	n-propylbenzene	2,900.00	D	40.1	55.7	560	ug/Kg
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	1,3,5-Trimethylbenzene	5,200.00	D	50.1	55.7	560	ug/Kg
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	1,2,4-Trimethylbenzene	21,500.00	ED	55.7	55.7	560	ug/Kg
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	sec-Butylbenzene	4,100.00	D	55.7	55.7	560	ug/Kg
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	p-Isopropyltoluene	2,900.00	D	32.3	55.7	560	ug/Kg
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	n-Butylbenzene	9,100.00	D	51.2	55.7	560	ug/Kg
G3976-01ME	022-MW-2(8-9.4)ME	SOIL	Naphthalene	14,600.00	ED	50.1	55.7	560	ug/Kg
			Total Voc :	73500					
			Total Concentration:	73500					
Client ID:	**022-MW-2(8-9.4)MEDL**								
G3976-01MEDL	022-MW-2(8-9.4)MEDL	SOIL	Ethyl Benzene	1,500.00	JD	560	560	5600	ug/Kg
G3976-01MEDL	022-MW-2(8-9.4)MEDL	SOIL	m/p-Xylenes	5,600.00	JD	800	1100	11100	ug/Kg
G3976-01MEDL	022-MW-2(8-9.4)MEDL	SOIL	o-Xylene	2,900.00	JD	560	560	5600	ug/Kg
G3976-01MEDL	022-MW-2(8-9.4)MEDL	SOIL	n-propylbenzene	2,600.00	JD	400	560	5600	ug/Kg
G3976-01MEDL	022-MW-2(8-9.4)MEDL	SOIL	1,3,5-Trimethylbenzene	5,100.00	JD	500	560	5600	ug/Kg
G3976-01MEDL	022-MW-2(8-9.4)MEDL	SOIL	1,2,4-Trimethylbenzene	17,800.00	D	560	560	5600	ug/Kg
G3976-01MEDL	022-MW-2(8-9.4)MEDL	SOIL	sec-Butylbenzene	3,000.00	JD	560	560	5600	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: G3976

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
G3976-01MEDL	022-MW-2(8-9.4)MEDL	SOIL	p-Isopropyltoluene	1,700.00	JD	320	560	5600	ug/Kg
G3976-01MEDL	022-MW-2(8-9.4)MEDL	SOIL	n-Butylbenzene	5,200.00	JD	510	560	5600	ug/Kg
G3976-01MEDL	022-MW-2(8-9.4)MEDL	SOIL	Naphthalene	85,400.00	D	500	560	5600	ug/Kg
			Total Voc :	130800					
			Total Concentration:	130800					
Client ID:	**023-MW-3(8-8.8)**								
G3976-02	023-MW-3(8-8.8)	SOIL	m/p-Xylenes	210.00		0.78	1.1	10.8	ug/Kg
G3976-02	023-MW-3(8-8.8)	SOIL	Isopropylbenzene	56.70		0.52	0.54	5.4	ug/Kg
G3976-02	023-MW-3(8-8.8)	SOIL	n-propylbenzene	83.00		0.39	0.54	5.4	ug/Kg
G3976-02	023-MW-3(8-8.8)	SOIL	1,3,5-Trimethylbenzene	570.00	E	0.49	0.54	5.4	ug/Kg
G3976-02	023-MW-3(8-8.8)	SOIL	tert-Butylbenzene	26.80		0.54	0.54	5.4	ug/Kg
G3976-02	023-MW-3(8-8.8)	SOIL	1,2,4-Trimethylbenzene	550.00	E	0.54	0.54	5.4	ug/Kg
G3976-02	023-MW-3(8-8.8)	SOIL	sec-Butylbenzene	110.00		0.54	0.54	5.4	ug/Kg
G3976-02	023-MW-3(8-8.8)	SOIL	p-Isopropyltoluene	260.00	E	0.31	0.54	5.4	ug/Kg
G3976-02	023-MW-3(8-8.8)	SOIL	Naphthalene	21.40		0.49	0.54	5.4	ug/Kg
			Total Voc :	1887.9					
			Total Concentration:	1887.9					
Client ID:	**023-MW-3(8-8.8)ME**								
G3976-02ME	023-MW-3(8-8.8)ME	SOIL	1,3,5-Trimethylbenzene	1,900.00	D	49.1	54.5	550	ug/Kg
G3976-02ME	023-MW-3(8-8.8)ME	SOIL	1,2,4-Trimethylbenzene	2,200.00	D	54.5	54.5	550	ug/Kg
G3976-02ME	023-MW-3(8-8.8)ME	SOIL	sec-Butylbenzene	450.00	JD	54.5	54.5	550	ug/Kg
G3976-02ME	023-MW-3(8-8.8)ME	SOIL	p-Isopropyltoluene	1,500.00	D	31.6	54.5	550	ug/Kg
			Total Voc :	6050					
			Total Concentration:	6050					

SAMPLE DATA

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/07/15
Project:	121 and 123 Reynolds St.	Date Received:	10/07/15
Client Sample ID:	022-MW-2(8-9.4)	SDG No.:	G3976
Lab Sample ID:	G3976-01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045673.D	1		10/16/15 16:28	VF101615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.5	UQ	0.55	0.55	5.5	ug/Kg
71-43-2	Benzene	49		0.42	0.55	5.5	ug/Kg
108-88-3	Toluene	80.7		0.55	0.55	5.5	ug/Kg
100-41-4	Ethyl Benzene	840	E	0.55	0.55	5.5	ug/Kg
179601-23-1	m/p-Xylenes	2300	E	0.8	1.1	11.1	ug/Kg
95-47-6	o-Xylene	1200	E	0.55	0.55	5.5	ug/Kg
98-82-8	Isopropylbenzene	830	E	0.53	0.55	5.5	ug/Kg
103-65-1	n-propylbenzene	1100	E	0.4	0.55	5.5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1700	E	0.5	0.55	5.5	ug/Kg
98-06-6	tert-Butylbenzene	5.5	U	0.55	0.55	5.5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2500	E	0.55	0.55	5.5	ug/Kg
135-98-8	sec-Butylbenzene	800	E	0.55	0.55	5.5	ug/Kg
99-87-6	p-Isopropyltoluene	1500	E	0.32	0.55	5.5	ug/Kg
104-51-8	n-Butylbenzene	540	E	0.51	0.55	5.5	ug/Kg
91-20-3	Naphthalene	1600	E	0.5	0.55	5.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.5	*	56 - 120		121%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		57 - 135		107%	SPK: 50
2037-26-5	Toluene-d8	41.1		67 - 123		82%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.7		33 - 141		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	545681	4.84				
540-36-3	1,4-Difluorobenzene	1016700	5.57				
3114-55-4	Chlorobenzene-d5	582729	9.74				
3855-82-1	1,4-Dichlorobenzene-d4	151049	12.52				

U = Not Detected
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/07/15
Project:	121 and 123 Reynolds St.	Date Received:	10/07/15
Client Sample ID:	022-MW-2(8-9.4)ME	SDG No.:	G3976
Lab Sample ID:	G3976-01ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	4.99 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057313.D	1		10/21/15 17:35	VH102115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	560	UD	55.7	55.7	560	ug/Kg
71-43-2	Benzene	560	UD	42.3	55.7	560	ug/Kg
108-88-3	Toluene	560	UD	55.7	55.7	560	ug/Kg
100-41-4	Ethyl Benzene	2000	D	55.7	55.7	560	ug/Kg
179601-23-1	m/p-Xylenes	6700	D	80.2	110	1100	ug/Kg
95-47-6	o-Xylene	3400	D	55.7	55.7	560	ug/Kg
98-82-8	Isopropylbenzene	1100	D	53.4	55.7	560	ug/Kg
103-65-1	n-propylbenzene	2900	D	40.1	55.7	560	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5200	D	50.1	55.7	560	ug/Kg
98-06-6	tert-Butylbenzene	560	UD	55.7	55.7	560	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	21500	ED	55.7	55.7	560	ug/Kg
135-98-8	sec-Butylbenzene	4100	D	55.7	55.7	560	ug/Kg
99-87-6	p-Isopropyltoluene	2900	D	32.3	55.7	560	ug/Kg
104-51-8	n-Butylbenzene	9100	D	51.2	55.7	560	ug/Kg
91-20-3	Naphthalene	14600	ED	50.1	55.7	560	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.9	*	56 - 120		124%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		57 - 135		106%	SPK: 50
2037-26-5	Toluene-d8	54.8		67 - 123		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		33 - 141		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	376217	4.83				
540-36-3	1,4-Difluorobenzene	684571	5.55				
3114-55-4	Chlorobenzene-d5	488055	9.7				
3855-82-1	1,4-Dichlorobenzene-d4	157115	12.48				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/07/15
Project:	121 and 123 Reynolds St.	Date Received:	10/07/15
Client Sample ID:	022-MW-2(8-9.4)MEDL	SDG No.:	G3976
Lab Sample ID:	G3976-01MEDL	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10
Sample Wt/Vol:	4.99 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057318.D	10		10/21/15 19:51	VH102115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5600	UD	560	560	5600	ug/Kg
71-43-2	Benzene	5600	UD	420	560	5600	ug/Kg
108-88-3	Toluene	5600	UD	560	560	5600	ug/Kg
100-41-4	Ethyl Benzene	1500	JD	560	560	5600	ug/Kg
179601-23-1	m/p-Xylenes	5600	JD	800	1100	11100	ug/Kg
95-47-6	o-Xylene	2900	JD	560	560	5600	ug/Kg
98-82-8	Isopropylbenzene	5600	UD	530	560	5600	ug/Kg
103-65-1	n-propylbenzene	2600	JD	400	560	5600	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5100	JD	500	560	5600	ug/Kg
98-06-6	tert-Butylbenzene	5600	UD	560	560	5600	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	17800	D	560	560	5600	ug/Kg
135-98-8	sec-Butylbenzene	3000	JD	560	560	5600	ug/Kg
99-87-6	p-Isopropyltoluene	1700	JD	320	560	5600	ug/Kg
104-51-8	n-Butylbenzene	5200	JD	510	560	5600	ug/Kg
91-20-3	Naphthalene	85400	D	500	560	5600	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.2		56 - 120		100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		57 - 135		97%	SPK: 50
2037-26-5	Toluene-d8	48.9		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		33 - 141		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	534259	4.84				
540-36-3	1,4-Difluorobenzene	983605	5.56				
3114-55-4	Chlorobenzene-d5	672391	9.71				
3855-82-1	1,4-Dichlorobenzene-d4	176812	12.48				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/07/15
Project:	121 and 123 Reynolds St.	Date Received:	10/07/15
Client Sample ID:	023-MW-3(8-8.8)	SDG No.:	G3976
Lab Sample ID:	G3976-02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.9
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045706.D	1		10/20/15 02:44	VF102015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.4	U	0.54	0.54	5.4	ug/Kg
71-43-2	Benzene	5.4	U	0.41	0.54	5.4	ug/Kg
108-88-3	Toluene	5.4	U	0.54	0.54	5.4	ug/Kg
100-41-4	Ethyl Benzene	5.4	U	0.54	0.54	5.4	ug/Kg
179601-23-1	m/p-Xylenes	210		0.78	1.1	10.8	ug/Kg
95-47-6	o-Xylene	5.4	U	0.54	0.54	5.4	ug/Kg
98-82-8	Isopropylbenzene	56.7		0.52	0.54	5.4	ug/Kg
103-65-1	n-propylbenzene	83		0.39	0.54	5.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	570	E	0.49	0.54	5.4	ug/Kg
98-06-6	tert-Butylbenzene	26.8		0.54	0.54	5.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	550	E	0.54	0.54	5.4	ug/Kg
135-98-8	sec-Butylbenzene	110		0.54	0.54	5.4	ug/Kg
99-87-6	p-Isopropyltoluene	260	E	0.31	0.54	5.4	ug/Kg
104-51-8	n-Butylbenzene	5.4	U	0.5	0.54	5.4	ug/Kg
91-20-3	Naphthalene	21.4		0.49	0.54	5.4	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.6	*	56 - 120		123%	SPK: 50
1868-53-7	Dibromofluoromethane	60.4		57 - 135		121%	SPK: 50
2037-26-5	Toluene-d8	47.5		67 - 123		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	130	*	33 - 141		261%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	465836	4.84				
540-36-3	1,4-Difluorobenzene	771584	5.57				
3114-55-4	Chlorobenzene-d5	435652	9.74				
3855-82-1	1,4-Dichlorobenzene-d4	339479	12.51				

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J = Estimated Value
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/07/15
Project:	121 and 123 Reynolds St.	Date Received:	10/07/15
Client Sample ID:	023-MW-3(8-8.8)ME	SDG No.:	G3976
Lab Sample ID:	G3976-02ME	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	7.9
Sample Wt/Vol:	4.98 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057319.D	1		10/21/15 20:18	VH102115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	550	UD	54.5	54.5	550	ug/Kg
71-43-2	Benzene	550	UD	41.4	54.5	550	ug/Kg
108-88-3	Toluene	550	UD	54.5	54.5	550	ug/Kg
100-41-4	Ethyl Benzene	550	UD	54.5	54.5	550	ug/Kg
179601-23-1	m/p-Xylenes	1100	UD	78.5	110	1100	ug/Kg
95-47-6	o-Xylene	550	UD	54.5	54.5	550	ug/Kg
98-82-8	Isopropylbenzene	550	UD	52.3	54.5	550	ug/Kg
103-65-1	n-propylbenzene	550	UD	39.2	54.5	550	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1900	D	49.1	54.5	550	ug/Kg
98-06-6	tert-Butylbenzene	550	UD	54.5	54.5	550	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2200	D	54.5	54.5	550	ug/Kg
135-98-8	sec-Butylbenzene	450	JD	54.5	54.5	550	ug/Kg
99-87-6	p-Isopropyltoluene	1500	D	31.6	54.5	550	ug/Kg
104-51-8	n-Butylbenzene	550	UD	50.1	54.5	550	ug/Kg
91-20-3	Naphthalene	550	UD	49.1	54.5	550	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47		56 - 120		94%	SPK: 50
1868-53-7	Dibromofluoromethane	47.3		57 - 135		95%	SPK: 50
2037-26-5	Toluene-d8	49.1		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	69.5		33 - 141		139%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	574949	4.83				
540-36-3	1,4-Difluorobenzene	1022280	5.55				
3114-55-4	Chlorobenzene-d5	751729	9.71				
3855-82-1	1,4-Dichlorobenzene-d4	225442	12.48				

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/06/15
Project:	121 and 123 Reynolds St.	Date Received:	10/07/15
Client Sample ID:	024-MW-4(9)	SDG No.:	G3976
Lab Sample ID:	G3976-03	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	10.2
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045707.D	1		10/20/15 03:12	VF102015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5.6	U	0.56	0.56	5.6	ug/Kg
71-43-2	Benzene	5.6	U	0.42	0.56	5.6	ug/Kg
108-88-3	Toluene	5.6	U	0.56	0.56	5.6	ug/Kg
100-41-4	Ethyl Benzene	5.6	U	0.56	0.56	5.6	ug/Kg
179601-23-1	m/p-Xylenes	11.2	U	0.81	1.1	11.2	ug/Kg
95-47-6	o-Xylene	5.6	U	0.56	0.56	5.6	ug/Kg
98-82-8	Isopropylbenzene	5.6	U	0.54	0.56	5.6	ug/Kg
103-65-1	n-propylbenzene	5.6	U	0.4	0.56	5.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.6	U	0.5	0.56	5.6	ug/Kg
98-06-6	tert-Butylbenzene	5.6	U	0.56	0.56	5.6	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.6	U	0.56	0.56	5.6	ug/Kg
135-98-8	sec-Butylbenzene	5.6	U	0.56	0.56	5.6	ug/Kg
99-87-6	p-Isopropyltoluene	5.6	U	0.32	0.56	5.6	ug/Kg
104-51-8	n-Butylbenzene	5.6	U	0.51	0.56	5.6	ug/Kg
91-20-3	Naphthalene	5.6	U	0.5	0.56	5.6	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.5		56 - 120		87%	SPK: 50
1868-53-7	Dibromofluoromethane	41.9		57 - 135		84%	SPK: 50
2037-26-5	Toluene-d8	40.7		67 - 123		81%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.8		33 - 141		72%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	461340	4.84				
540-36-3	1,4-Difluorobenzene	876264	5.57				
3114-55-4	Chlorobenzene-d5	828182	9.73				
3855-82-1	1,4-Dichlorobenzene-d4	358418	12.51				

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QC SUMMARY

Surrogate Summary

SDG No.: G3976

Client: Day Environmental, Inc.

Analytical Method: SW8260B

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
G3976-01	022-MW-2(8-9.4)	1,2-Dichloroethane-d4	50	60.52	121	*	56	120
		Dibromofluoromethane	50	53.6	107		57	135
		Toluene-d8	50	41.11	82		67	123
		4-Bromofluorobenzene	50	40.68	81		33	141
G3976-01ME	022-MW-2(8-9.4)ME	1,2-Dichloroethane-d4	50	61.89	124	*	56	120
		Dibromofluoromethane	50	52.94	106		57	135
		Toluene-d8	50	54.79	110		67	123
		4-Bromofluorobenzene	50	56.48	113		33	141
G3976-01MEDL	022-MW-2(8-9.4)MEDL	1,2-Dichloroethane-d4	50	50.16	100		56	120
		Dibromofluoromethane	50	48.38	97		57	135
		Toluene-d8	50	48.88	98		67	123
		4-Bromofluorobenzene	50	49.61	99		33	141
G3976-02	023-MW-3(8-8.8)	1,2-Dichloroethane-d4	50	61.62	123	*	56	120
		Dibromofluoromethane	50	60.44	121		57	135
		Toluene-d8	50	47.45	95		67	123
		4-Bromofluorobenzene	50	130.61	261	*	33	141
G3976-02ME	023-MW-3(8-8.8)ME	1,2-Dichloroethane-d4	50	47.01	94		56	120
		Dibromofluoromethane	50	47.29	95		57	135
		Toluene-d8	50	49.09	98		67	123
		4-Bromofluorobenzene	50	69.52	139		33	141
G3976-03	024-MW-4(9)	1,2-Dichloroethane-d4	50	43.54	87		56	120
		Dibromofluoromethane	50	41.93	84		57	135
		Toluene-d8	50	40.69	81		67	123
		4-Bromofluorobenzene	50	35.77	72		33	141

Surrogate Summary

SDG No.: G3976

Client: Day Environmental, Inc.

Analytical Method: SW8260C

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VF1016SBL01	VF1016SBL01	1,2-Dichloroethane-d4	50	54.91	110	56	120
		Dibromofluoromethane	50	47.11	94	57	135
		Toluene-d8	50	43.29	87	67	123
		4-Bromofluorobenzene	50	42.81	86	33	141
VF1016SBS01	VF1016SBS01	1,2-Dichloroethane-d4	50	55.36	111	56	120
		Dibromofluoromethane	50	47.53	95	57	135
		Toluene-d8	50	43.53	87	67	123
		4-Bromofluorobenzene	50	44.73	89	33	141
VF1016SBSD01	VF1016SBSD01	1,2-Dichloroethane-d4	50	50.63	101	56	120
		Dibromofluoromethane	50	48.18	96	57	135
		Toluene-d8	50	42.64	85	67	123
		4-Bromofluorobenzene	50	43.61	87	33	141
VF1019SBL01	VF1019SBL01	1,2-Dichloroethane-d4	50	36.05	72	56	120
		Dibromofluoromethane	50	37.54	75	57	135
		Toluene-d8	50	36.24	72	67	123
		4-Bromofluorobenzene	50	33.09	66	33	141
VF1019SBS02	VF1019SBS02	1,2-Dichloroethane-d4	50	40.76	82	56	120
		Dibromofluoromethane	50	42.66	85	57	135
		Toluene-d8	50	41.73	83	67	123
		4-Bromofluorobenzene	50	40.44	81	33	141
VH1021MBL01	VH1021MBL01	1,2-Dichloroethane-d4	50	59.17	118	56	120
		Dibromofluoromethane	50	55.96	112	57	135
		Toluene-d8	50	50.12	100	67	123
		4-Bromofluorobenzene	50	50.16	100	33	141
VH1021MBS01	VH1021MBS01	1,2-Dichloroethane-d4	50	56.58	113	56	120
		Dibromofluoromethane	50	50.53	101	57	135
		Toluene-d8	50	49.12	98	67	123
		4-Bromofluorobenzene	50	49.4	99	33	141

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G3976

Client: Day Environmental, Inc.

Analytical Method: SW8260C **Datafile :** VF045669.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VF1016SBS01	Methyl tert-butyl Ether	20	26.4	ug/Kg	132		*	76	123	
	Benzene	20	20.5	ug/Kg	103			79	124	
	Toluene	20	20.1	ug/Kg	101			78	124	
	Ethyl Benzene	20	21.5	ug/Kg	108			80	123	
	m/p-Xylenes	40	41	ug/Kg	103			79	126	
	o-Xylene	20	21.4	ug/Kg	107			80	122	
	Isopropylbenzene	20	20.9	ug/Kg	104			79	123	
	N-propylbenzene	20	20.6	ug/Kg	103			80	125	
	1,3,5-Trimethylbenzene	20	20.4	ug/Kg	102			81	123	
	tert-Butylbenzene	20	21.1	ug/Kg	106			81	123	
	1,2,4-Trimethylbenzene	20	21.5	ug/Kg	108			81	122	
	Sec-butylbenzene	20	20.2	ug/Kg	101			81	126	
	p-Isopropyltoluene	20	20.9	ug/Kg	104			81	124	
	n-Butylbenzene	20	21.3	ug/Kg	106			75	129	
	Naphthalene	20	19.5	ug/Kg	98			71	126	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G3976

Client: Day Environmental, Inc.

Analytical Method: SW8260C **Datafile :** VF045675.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VF1016SBSD01	Methyl tert-butyl Ether	20	20.1	ug/Kg	101	27	*	76	123	20
	Benzene	20	19.4	ug/Kg	97	6		79	124	20
	Toluene	20	18.6	ug/Kg	93	8		78	124	20
	Ethyl Benzene	20	20.6	ug/Kg	103	5		80	123	20
	m/p-Xylenes	40	40.2	ug/Kg	101	2		79	126	20
	o-Xylene	20	20.5	ug/Kg	103	4		80	122	20
	Isopropylbenzene	20	21.2	ug/Kg	106	2		79	123	20
	N-propylbenzene	20	20.9	ug/Kg	104	1		80	125	20
	1,3,5-Trimethylbenzene	20	21.6	ug/Kg	108	6		81	123	20
	tert-Butylbenzene	20	20.9	ug/Kg	104	2		81	123	20
	1,2,4-Trimethylbenzene	20	22.1	ug/Kg	111	3		81	122	20
	Sec-butylbenzene	20	21	ug/Kg	105	4		81	126	20
	p-Isopropyltoluene	20	21.1	ug/Kg	106	2		81	124	20
	n-Butylbenzene	20	20.7	ug/Kg	104	2		75	129	20
	Naphthalene	20	20.2	ug/Kg	101	3		71	126	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G3976

Client: Day Environmental, Inc.

Analytical Method: SW8260C **Datafile :** VF045698.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VF1019SBS02	Methyl tert-butyl Ether	20	19.1	ug/Kg	96			76	123	
	Benzene	20	20.3	ug/Kg	102			79	124	
	Toluene	20	20.7	ug/Kg	104			78	124	
	Ethyl Benzene	20	21.8	ug/Kg	109			80	123	
	m/p-Xylenes	40	43.1	ug/Kg	108			79	126	
	o-Xylene	20	21.3	ug/Kg	106			80	122	
	Isopropylbenzene	20	22.4	ug/Kg	112			79	123	
	N-propylbenzene	20	23	ug/Kg	115			80	125	
	1,3,5-Trimethylbenzene	20	22.7	ug/Kg	114			81	123	
	tert-Butylbenzene	20	22.4	ug/Kg	112			81	123	
	1,2,4-Trimethylbenzene	20	22.3	ug/Kg	112			81	122	
	Sec-butylbenzene	20	22.3	ug/Kg	112			81	126	
	p-Isopropyltoluene	20	22.6	ug/Kg	113			81	124	
	n-Butylbenzene	20	22.7	ug/Kg	114			75	129	
	Naphthalene	20	19.1	ug/Kg	96			71	126	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G3976

Client: Day Environmental, Inc.

Analytical Method: SW8260C **Datafile :** VH057304.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VH1021MBS01	Methyl tert-butyl Ether	2000	2400	ug/Kg	120			76	123	
	Benzene	2000	2000	ug/Kg	100			79	124	
	Toluene	2000	2000	ug/Kg	100			78	124	
	Ethyl Benzene	2000	2000	ug/Kg	100			80	123	
	m/p-Xylenes	4000	4000	ug/Kg	100			79	126	
	o-Xylene	2000	1900	ug/Kg	95			80	122	
	Isopropylbenzene	2000	2000	ug/Kg	100			79	123	
	N-propylbenzene	2000	2000	ug/Kg	100			80	125	
	1,3,5-Trimethylbenzene	2000	2000	ug/Kg	100			81	123	
	tert-Butylbenzene	2000	2100	ug/Kg	105			81	123	
	1,2,4-Trimethylbenzene	2000	2000	ug/Kg	100			81	122	
	Sec-butylbenzene	2000	2100	ug/Kg	105			81	126	
	p-Isopropyltoluene	2000	2000	ug/Kg	100			81	124	
	n-Butylbenzene	2000	2000	ug/Kg	100			75	129	
	Naphthalene	2000	2100	ug/Kg	105			71	126	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VF1016SBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VF045668.D Lab Sample ID: VF1016SBL01

Date Analyzed: 10/16/2015 Time Analyzed: 11:21

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VF1016SBS01	VF1016SBS01	VF045669.D	10/16/2015
022-MW-2(8-9.4)	G3976-01	VF045673.D	10/16/2015
VF1016SBSD01	VF1016SBSD01	VF045675.D	10/16/2015

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VF1019SBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VF045696.D Lab Sample ID: VF1019SBL01

Date Analyzed: 10/19/2015 Time Analyzed: 22:01

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VF1019SBS02	VF1019SBS02	VF045698.D	10/19/2015
023-MW-3(8-8.8)	G3976-02	VF045706.D	10/20/2015
024-MW-4(9)	G3976-03	VF045707.D	10/20/2015

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VH1021MBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VH057303.D Lab Sample ID: VH1021MBL01

Date Analyzed: 10/21/2015 Time Analyzed: 12:32

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_H

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VH1021MBS01	VH1021MBS01	VH057304.D	10/21/2015
022-MW-2(8-9.4)ME	G3976-01ME	VH057313.D	10/21/2015
022-MW-2(8-9.4)MEDL	G3976-01MEDL	VH057318.D	10/21/2015
023-MW-3(8-8.8)ME	G3976-02ME	VH057319.D	10/21/2015

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VF045580.D BFB Injection Date: 10/09/2015

Instrument ID: MSVOA_F BFB Injection Time: 10:16

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	40.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.1 (0.1) 1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	5.4 (7.1) 1
176	95.0 - 101.0% of mass 174	72.5 (95.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VF045581.D	10/09/2015	11:28
VSTDICC010	VSTDICC010	VF045582.D	10/09/2015	11:57
VSTDICC020	VSTDICC020	VF045583.D	10/09/2015	12:26
VSTDICCC050	VSTDICCC050	VF045584.D	10/09/2015	13:24
VSTDICC075	VSTDICC075	VF045585.D	10/09/2015	14:49
VSTDICC100	VSTDICC100	VF045586.D	10/09/2015	16:20

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VF045666.D BFB Injection Date: 10/16/2015

Instrument ID: MSVOA_F BFB Injection Time: 09:37

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	41.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.1) 1
174	50.0 - 100.0% of mass 95	69.2
175	5.0 - 9.0% of mass 174	5 (7.2) 1
176	95.0 - 101.0% of mass 174	66.5 (96.1) 1
177	5.0 - 9.0% of mass 176	4.2 (6.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VF045667.D	10/16/2015	10:27
VF1016SBL01	VF1016SBL01	VF045668.D	10/16/2015	11:21
VF1016SBS01	VF1016SBS01	VF045669.D	10/16/2015	14:16
022-MW-2(8-9.4)	G3976-01	VF045673.D	10/16/2015	16:28
VF1016SBSD01	VF1016SBSD01	VF045675.D	10/16/2015	17:59

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VF045688.D BFB Injection Date: 10/19/2015

Instrument ID: MSVOA_F BFB Injection Time: 17:46

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.1
75	30.0 - 60.0% of mass 95	42.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.1 (0.1) 1
174	50.0 - 100.0% of mass 95	69.3
175	5.0 - 9.0% of mass 174	4.9 (7.1) 1
176	95.0 - 101.0% of mass 174	67.1 (96.8) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VF045689.D	10/19/2015	18:39
VSTDICC010	VSTDICC010	VF045690.D	10/19/2015	19:08
VSTDICC020	VSTDICC020	VF045691.D	10/19/2015	19:37
VSTDICCC050	VSTDICCC050	VF045692.D	10/19/2015	20:05
VSTDICC075	VSTDICC075	VF045693.D	10/19/2015	20:34
VSTDICC100	VSTDICC100	VF045694.D	10/19/2015	21:03
VF1019SBL01	VF1019SBL01	VF045696.D	10/19/2015	22:01
VF1019SBS02	VF1019SBS02	VF045698.D	10/19/2015	22:57
023-MW-3(8-8.8)	G3976-02	VF045706.D	10/20/2015	02:44
024-MW-4(9)	G3976-03	VF045707.D	10/20/2015	03:12

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VH057278.D BFB Injection Date: 10/20/2015

Instrument ID: MSVOA_H BFB Injection Time: 17:12

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.5
75	30.0 - 60.0% of mass 95	45.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.1 (0.2) 1
174	50.0 - 100.0% of mass 95	72.8
175	5.0 - 9.0% of mass 174	5.2 (7.1) 1
176	95.0 - 101.0% of mass 174	72.5 (99.7) 1
177	5.0 - 9.0% of mass 176	4.4 (6.1) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VH057279.D	10/20/2015	17:53
VSTDICC010	VSTDICC010	VH057280.D	10/20/2015	18:20
VSTDICC020	VSTDICC020	VH057281.D	10/20/2015	18:47
VSTDICC040	VSTDICC040	VH057282.D	10/20/2015	19:15
VSTDICCC050	VSTDICCC050	VH057283.D	10/20/2015	19:42
VSTDICC100	VSTDICC100	VH057284.D	10/20/2015	20:36

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VH057301.D BFB Injection Date: 10/21/2015

Instrument ID: MSVOA_H BFB Injection Time: 09:09

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.6
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	79.3
175	5.0 - 9.0% of mass 174	5.2 (6.6) 1
176	95.0 - 101.0% of mass 174	78.9 (99.5) 1
177	5.0 - 9.0% of mass 176	5.6 (7.1) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VH057302.D	10/21/2015	11:39
VH1021MBL01	VH1021MBL01	VH057303.D	10/21/2015	12:32
VH1021MBS01	VH1021MBS01	VH057304.D	10/21/2015	13:04
022-MW-2(8-9.4)ME	G3976-01ME	VH057313.D	10/21/2015	17:35
022-MW-2(8-9.4)MEDL	G3976-01MEDL	VH057318.D	10/21/2015	19:51
023-MW-3(8-8.8)ME	G3976-02ME	VH057319.D	10/21/2015	20:18

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VF045667.D Date Analyzed: 10/16/2015

Instrument ID: MSVOA_F Time Analyzed: 10:27

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	692494	4.85	1320030	5.58	1260000	9.74
UPPER LIMIT	1384990	5.35	2640060	6.08	2520000	10.24
LOWER LIMIT	346247	4.35	660016	5.08	630000	9.24
EPA SAMPLE NO.						
022-MW-2(8-9.4)	545681	4.84	1016696	5.57	582729 *	9.74
VF1016SBL01	705744	4.85	1335069	5.57	1309171	9.73
VF1016SBS01	655079	4.84	1213281	5.57	1161604	9.73
VF1016SBSD01	693003	4.83	1237436	5.56	1184263	9.73

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VF045667.D Date Analyzed: 10/16/2015

Instrument ID: MSVOA_F Time Analyzed: 10:27

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	602925	12.51				
UPPER LIMIT	1205850	13.01				
LOWER LIMIT	301463	12.01				
EPA SAMPLE NO.						
022-MW-2(8-9.4)	151049 *	12.52				
VF1016SBL01	646637	12.51				
VF1016SBS01	592851	12.51				
VF1016SBSD01	556277	12.51				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VF045692.D Date Analyzed: 10/19/2015

Instrument ID: MSVOA_F Time Analyzed: 20:05

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	588773	4.83	1136930	5.55	1145830	9.72
UPPER LIMIT	1177550	5.33	2273870	6.05	2291650	10.22
LOWER LIMIT	294387	4.33	568467	5.05	572913	9.22
EPA SAMPLE NO.						
023-MW-3(8-8.8)	465836	4.84	771584	5.57	435652 *	9.74
024-MW-4(9)	461340	4.84	876264	5.57	828182	9.73
VF1019SBL01	662027	4.83	1259946	5.56	1204106	9.72
VF1019SBS02	607400	4.83	1142064	5.56	1109342	9.72

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VF045692.D Date Analyzed: 10/19/2015

Instrument ID: MSVOA_F Time Analyzed: 20:05

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	577896	12.5				
UPPER LIMIT	1155790	13				
LOWER LIMIT	288948	12				
EPA SAMPLE NO.						
023-MW-3(8-8.8)	339479	12.51				
024-MW-4(9)	358418	12.51				
VF1019SBL01	559354	12.50				
VF1019SBS02	537813	12.50				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VH057302.D Date Analyzed: 10/21/2015

Instrument ID: MSVOA_H Time Analyzed: 11:39

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	428264	4.81	790134	5.54	568453	9.70
UPPER LIMIT	856528	5.31	1580270	6.04	1136910	10.2
LOWER LIMIT	214132	4.31	395067	5.04	284227	9.2
EPA SAMPLE NO.						
022-MW-2(8-9.4)ME	376217	4.83	684571	5.55	488055	9.70
022-MW-2(8-9.4)MEDL	534259	4.84	983605	5.56	672391	9.71
023-MW-3(8-8.8)ME	574949	4.83	1022277	5.55	751729	9.71
VH1021MBL01	449157	4.82	787423	5.55	548970	9.70
VH1021MBS01	407325	4.82	741375	5.54	528873	9.71

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG NO.: G3976

Lab File ID: VH057302.D Date Analyzed: 10/21/2015

Instrument ID: MSVOA_H Time Analyzed: 11:39

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	147290	12.48				
UPPER LIMIT	294580	12.98				
LOWER LIMIT	73645	11.98				
EPA SAMPLE NO.						
022-MW-2(8-9.4)ME	157115	12.48				
022-MW-2(8-9.4)MEDL	176812	12.48				
023-MW-3(8-8.8)ME	225442	12.48				
VH1021MBL01	141939	12.48				
VH1021MBS01	140536	12.48				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VF1016SBL01	SDG No.:	G3976
Lab Sample ID:	VF1016SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045668.D	1		10/16/15 11:21	VF101615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5	U	0.5	0.5	5	ug/Kg
71-43-2	Benzene	5	U	0.38	0.5	5	ug/Kg
108-88-3	Toluene	5	U	0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	1	10	ug/Kg
95-47-6	o-Xylene	5	U	0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	5	U	0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5	U	0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	5	U	0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5	U	0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	5	U	0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	5	U	0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	5	U	0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	5	U	0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.9		56 - 120		110%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		57 - 135		94%	SPK: 50
2037-26-5	Toluene-d8	43.3		67 - 123		87%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		33 - 141		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	705744	4.85				
540-36-3	1,4-Difluorobenzene	1335070	5.57				
3114-55-4	Chlorobenzene-d5	1309170	9.73				
3855-82-1	1,4-Dichlorobenzene-d4	646637	12.51				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VF1019SBL01	SDG No.:	G3976
Lab Sample ID:	VF1019SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045696.D	1		10/19/15 22:01	VF102015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	5	U	0.5	0.5	5	ug/Kg
71-43-2	Benzene	5	U	0.38	0.5	5	ug/Kg
108-88-3	Toluene	5	U	0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	1	10	ug/Kg
95-47-6	o-Xylene	5	U	0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	5	U	0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5	U	0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	5	U	0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5	U	0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	5	U	0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	5	U	0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	5	U	0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	5	U	0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	36.1		56 - 120		72%	SPK: 50
1868-53-7	Dibromofluoromethane	37.5		57 - 135		75%	SPK: 50
2037-26-5	Toluene-d8	36.2		67 - 123		72%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.1		33 - 141		66%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	662027	4.83				
540-36-3	1,4-Difluorobenzene	1259950	5.56				
3114-55-4	Chlorobenzene-d5	1204110	9.72				
3855-82-1	1,4-Dichlorobenzene-d4	559354	12.5				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1021MBL01	SDG No.:	G3976
Lab Sample ID:	VH1021MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057303.D	1		10/21/15 12:32	VH102115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	500	U	50	50	500	ug/Kg
71-43-2	Benzene	500	U	38	50	500	ug/Kg
108-88-3	Toluene	500	U	50	50	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	50	50	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	72	100	1000	ug/Kg
95-47-6	o-Xylene	500	U	50	50	500	ug/Kg
98-82-8	Isopropylbenzene	500	U	48	50	500	ug/Kg
103-65-1	n-propylbenzene	500	U	36	50	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	500	U	45	50	500	ug/Kg
98-06-6	tert-Butylbenzene	500	U	50	50	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	500	U	50	50	500	ug/Kg
135-98-8	sec-Butylbenzene	500	U	50	50	500	ug/Kg
99-87-6	p-Isopropyltoluene	500	U	29	50	500	ug/Kg
104-51-8	n-Butylbenzene	500	U	46	50	500	ug/Kg
91-20-3	Naphthalene	500	U	45	50	500	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.2		56 - 120		118%	SPK: 50
1868-53-7	Dibromofluoromethane	56		57 - 135		112%	SPK: 50
2037-26-5	Toluene-d8	50.1		67 - 123		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		33 - 141		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	449157	4.82				
540-36-3	1,4-Difluorobenzene	787423	5.55				
3114-55-4	Chlorobenzene-d5	548970	9.7				
3855-82-1	1,4-Dichlorobenzene-d4	141939	12.48				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VF1016SBS01	SDG No.:	G3976
Lab Sample ID:	VF1016SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045669.D	1		10/16/15 14:16	VF101615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	26.4		0.5	0.5	5	ug/Kg
71-43-2	Benzene	20.5		0.38	0.5	5	ug/Kg
108-88-3	Toluene	20.1		0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	21.5		0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	41		0.72	1	10	ug/Kg
95-47-6	o-Xylene	21.4		0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	20.9		0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	20.6		0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	20.4		0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	21.1		0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	21.5		0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	20.2		0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	20.9		0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	21.3		0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	19.5		0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.4		56 - 120		111%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		57 - 135		95%	SPK: 50
2037-26-5	Toluene-d8	43.5		67 - 123		87%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		33 - 141		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	655079	4.84				
540-36-3	1,4-Difluorobenzene	1213280	5.57				
3114-55-4	Chlorobenzene-d5	1161600	9.73				
3855-82-1	1,4-Dichlorobenzene-d4	592851	12.51				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VF1019SBS02	SDG No.:	G3976
Lab Sample ID:	VF1019SBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045698.D	1		10/19/15 22:57	VF102015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	19.1		0.5	0.5	5	ug/Kg
71-43-2	Benzene	20.3		0.38	0.5	5	ug/Kg
108-88-3	Toluene	20.7		0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	21.8		0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	43.1		0.72	1	10	ug/Kg
95-47-6	o-Xylene	21.3		0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	22.4		0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	23		0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	22.7		0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	22.4		0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	22.3		0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	22.3		0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	22.6		0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	22.7		0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	19.1		0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	40.8		56 - 120		82%	SPK: 50
1868-53-7	Dibromofluoromethane	42.7		57 - 135		85%	SPK: 50
2037-26-5	Toluene-d8	41.7		67 - 123		83%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.4		33 - 141		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	607400	4.83				
540-36-3	1,4-Difluorobenzene	1142060	5.56				
3114-55-4	Chlorobenzene-d5	1109340	9.72				
3855-82-1	1,4-Dichlorobenzene-d4	537813	12.5				

U = Not Detected
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1021MBS01	SDG No.:	G3976
Lab Sample ID:	VH1021MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057304.D	1		10/21/15 13:04	VH102115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	2400		50	50	500	ug/Kg
71-43-2	Benzene	2000		38	50	500	ug/Kg
108-88-3	Toluene	2000		50	50	500	ug/Kg
100-41-4	Ethyl Benzene	2000		50	50	500	ug/Kg
179601-23-1	m/p-Xylenes	4000		72	100	1000	ug/Kg
95-47-6	o-Xylene	1900		50	50	500	ug/Kg
98-82-8	Isopropylbenzene	2000		48	50	500	ug/Kg
103-65-1	n-propylbenzene	2000		36	50	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2000		45	50	500	ug/Kg
98-06-6	tert-Butylbenzene	2100		50	50	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2000		50	50	500	ug/Kg
135-98-8	sec-Butylbenzene	2100		50	50	500	ug/Kg
99-87-6	p-Isopropyltoluene	2000		29	50	500	ug/Kg
104-51-8	n-Butylbenzene	2000		46	50	500	ug/Kg
91-20-3	Naphthalene	2100		45	50	500	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.6		56 - 120		113%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		57 - 135		101%	SPK: 50
2037-26-5	Toluene-d8	49.1		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		33 - 141		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	407325	4.82				
540-36-3	1,4-Difluorobenzene	741375	5.54				
3114-55-4	Chlorobenzene-d5	528873	9.71				
3855-82-1	1,4-Dichlorobenzene-d4	140536	12.48				

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VF1016SBSD01	SDG No.:	G3976
Lab Sample ID:	VF1016SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF045675.D	1		10/16/15 17:59	VF101615

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
1634-04-4	Methyl tert-butyl Ether	20.1		0.5	0.5	5	ug/Kg
71-43-2	Benzene	19.4		0.38	0.5	5	ug/Kg
108-88-3	Toluene	18.6		0.5	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.5	0.5	5	ug/Kg
179601-23-1	m/p-Xylenes	40.2		0.72	1	10	ug/Kg
95-47-6	o-Xylene	20.5		0.5	0.5	5	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.48	0.5	5	ug/Kg
103-65-1	n-propylbenzene	20.9		0.36	0.5	5	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	21.6		0.45	0.5	5	ug/Kg
98-06-6	tert-Butylbenzene	20.9		0.5	0.5	5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	22.1		0.5	0.5	5	ug/Kg
135-98-8	sec-Butylbenzene	21		0.5	0.5	5	ug/Kg
99-87-6	p-Isopropyltoluene	21.1		0.29	0.5	5	ug/Kg
104-51-8	n-Butylbenzene	20.7		0.46	0.5	5	ug/Kg
91-20-3	Naphthalene	20.2		0.45	0.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		56 - 120		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		57 - 135		96%	SPK: 50
2037-26-5	Toluene-d8	42.6		67 - 123		85%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		33 - 141		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	693003	4.83				
540-36-3	1,4-Difluorobenzene	1237440	5.56				
3114-55-4	Chlorobenzene-d5	1184260	9.73				
3855-82-1	1,4-Dichlorobenzene-d4	556277	12.51				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG No.: G3976

Instrument ID: MSVOA_F Calibration Date(s): 10/09/2015 10/09/2015

Heated Purge: (Y/N) Y Calibration Time(s): 11:28 16:20

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VF045581.D RRF010 = VF045582.D RRF020 = VF045583.D
RRF050 = VF045584.D RRF075 = VF045585.D RRF100 = VF045586.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF075	RRF100	$\overline{RRF}$	% RSD
Methyl tert-butyl Ether	0.816	0.761	0.697	0.841	0.738	0.679	0.755	8.5
Benzene	1.325	1.273	1.172	1.252	1.018	1.007	1.175	11.5
Toluene	1.027	0.916	0.900	0.928	0.740	0.735	0.874	13.1
Ethyl Benzene	1.969	1.845	1.775	1.929	1.561	1.447	1.754	11.9
m/p-Xylenes	0.714	0.694	0.650	0.690	0.607	0.548	0.651	9.7
o-Xylene	0.720	0.700	0.701	0.731	0.666	0.616	0.689	6.1
Isopropylbenzene	4.347	4.083	3.521	4.150	3.082	3.055	3.706	15.3
n-propylbenzene	5.264	5.072	4.404	5.063	3.746	3.601	4.525	16
1,3,5-Trimethylbenzene	3.313	3.231	2.825	3.323	2.573	2.424	2.948	13.4
tert-Butylbenzene	3.463	3.415	2.941	3.269	2.545	2.430	3.010	14.8
1,2,4-Trimethylbenzene	3.426	3.251	2.831	3.341	2.570	2.479	2.983	13.8
sec-Butylbenzene	4.546	4.238	3.899	4.460	3.375	3.216	3.956	14.2
p-Isopropyltoluene	3.524	3.477	3.171	3.430	2.651	2.435	3.114	14.9
n-Butylbenzene	3.659	3.338	3.195	3.531	2.749	2.474	3.158	14.6
Naphthalene	1.811	1.776	2.260	2.462	2.439	1.796	2.091	15.9
1,2-Dichloroethane-d4	0.677	0.574	0.708	0.706	0.570	0.531	0.628	12.4
Dibromofluoromethane	0.459	0.378	0.470	0.433	0.356	0.334	0.405	14
Toluene-d8	1.561	1.173	1.549	1.328	1.105	1.028	1.291	17.6
4-Bromofluorobenzene	0.789	0.570	0.764	0.672	0.551	0.493	0.640	18.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG No.: G3976

Instrument ID: MSVOA_F Calibration Date(s): 10/19/2015 10/19/2015

Heated Purge: (Y/N) Y Calibration Time(s): 18:39 21:03

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VF045689.D RRF010 = VF045690.D RRF020 = VF045691.D
RRF050 = VF045692.D RRF075 = VF045693.D RRF100 = VF045694.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF075	RRF100	$\overline{RRF}$	% RSD
Methyl tert-butyl Ether	0.801	0.918	1.043	0.830	0.830	0.877	0.883	10
Benzene	1.213	1.287	1.415	1.000	1.116	1.085	1.186	12.7
Toluene	0.968	1.020	1.047	0.758	0.816	0.850	0.910	13
Ethyl Benzene	1.876	1.988	2.131	1.520	1.656	1.689	1.810	12.6
m/p-Xylenes	0.681	0.702	0.769	0.536	0.583	0.633	0.651	13
o-Xylene	0.726	0.718	0.863	0.572	0.659	0.684	0.704	13.6
Isopropylbenzene	3.825	3.951	4.469	3.203	3.203	3.548	3.700	13.2
n-propylbenzene	4.725	4.899	5.402	3.939	3.914	4.318	4.533	12.9
1,3,5-Trimethylbenzene	2.999	3.182	3.449	2.571	2.632	2.823	2.943	11.4
tert-Butylbenzene	3.072	3.183	3.383	2.583	2.623	2.878	2.954	10.7
1,2,4-Trimethylbenzene	3.105	3.223	3.572	2.607	2.709	2.956	3.029	11.7
sec-Butylbenzene	4.075	4.189	4.589	3.521	3.528	3.830	3.956	10.5
p-Isopropyltoluene	3.284	3.354	3.642	2.842	2.717	2.964	3.134	11.2
n-Butylbenzene	3.168	3.428	3.702	2.862	2.820	3.064	3.174	10.7
Naphthalene	1.971	2.299	2.463	2.067	2.117	2.172	2.182	8.1
1,2-Dichloroethane-d4	0.689	0.870	0.781	0.654	0.566	0.649	0.701	15.4
Dibromofluoromethane	0.397	0.510	0.439	0.363	0.339	0.380	0.404	15.2
Toluene-d8	1.338	1.561	1.436	1.101	1.033	1.092	1.260	17.1
4-Bromofluorobenzene	0.728	0.782	0.694	0.552	0.502	0.535	0.632	18.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG No.: G3976

Instrument ID: MSVOA_H Calibration Date(s): 10/20/2015 10/20/2015

Heated Purge: (Y/N) N Calibration Time(s): 17:53 20:36

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VH057279.D RRF010 = VH057280.D RRF020 = VH057281.D
RRF040 = VH057282.D RRF050 = VH057283.D RRF100 = VH057284.D

COMPOUND	RRF005	RRF010	RRF020	RRF040	RRF050	RRF100	$\overline{RRF}$	% RSD
Methyl tert-butyl Ether	1.749	1.695	1.673	1.584	1.681	1.644	1.671	3.3
Benzene	1.489	1.369	1.328	1.288	1.438	1.388	1.383	5.3
Toluene	0.789	0.770	0.751	0.765	0.825	0.816	0.786	3.7
Ethyl Benzene	0.525	0.498	0.486	0.478	0.512	0.532	0.505	4.3
m/p-Xylenes	0.659	0.608	0.561	0.569	0.639	0.618	0.609	6.3
o-Xylene	0.604	0.614	0.566	0.527	0.619	0.605	0.589	6
Isopropylbenzene	4.932	4.746	4.221	3.899	4.177	4.577	4.425	8.8
n-propylbenzene	5.403	5.019	4.528	4.600	4.736	5.043	4.888	6.7
1,3,5-Trimethylbenzene	2.952	2.965	2.604	2.613	2.734	2.860	2.788	5.8
tert-Butylbenzene	3.021	2.755	2.571	2.357	2.544	2.569	2.636	8.6
1,2,4-Trimethylbenzene	3.042	2.929	2.627	2.617	2.755	2.839	2.801	6
sec-Butylbenzene	3.100	2.930	2.754	2.648	2.768	2.964	2.861	5.8
p-Isopropyltoluene	2.411	2.227	2.114	2.080	2.255	2.159	2.208	5.4
n-Butylbenzene	1.813	1.846	1.681	1.876	1.933	1.858	1.835	4.6
Naphthalene	0.811	0.808	0.735	0.855	0.948	1.182	0.890	17.9
1,2-Dichloroethane-d4	0.624	0.736	0.638	0.645	0.661	0.655	0.660	6
Dibromofluoromethane	0.354	0.404	0.343	0.372	0.379	0.364	0.369	5.7
Toluene-d8	1.019	1.147	1.022	1.038	1.084	1.066	1.063	4.6
4-Bromofluorobenzene	0.293	0.337	0.289	0.322	0.339	0.303	0.314	7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG No.: G3976

Instrument ID: MSVOA_F Calibration Date/Time: 10/16/2015 10:27

Lab File ID: VF045667.D Init. Calib. Date(s): 10/09/2015 10/09/2015

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:28 16:20

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Methyl tert-butyl Ether	0.755	0.887		17.45	20
Benzene	1.175	0.948		-19.26	20
Toluene	0.874	0.721		-17.6	20
Ethyl Benzene	1.754	1.519		-13.45	20
m/p-Xylenes	0.651	0.538		-17.25	20
o-Xylene	0.689	0.577		-16.2	20
Isopropylbenzene	3.706	3.143		-15.2	20
n-propylbenzene	4.525	3.842		-15.09	20
1,3,5-Trimethylbenzene	2.948	2.461		-16.51	20
tert-Butylbenzene	3.010	2.491		-17.27	20
1,2,4-Trimethylbenzene	2.983	2.576		-13.65	20
sec-Butylbenzene	3.956	3.318		-16.13	20
p-Isopropyltoluene	3.114	2.622		-15.8	20
n-Butylbenzene	3.158	2.608		-17.41	20
Naphthalene	2.091	1.830		-12.45	20
1,2-Dichloroethane-d4	0.628	0.661		5.26	20
Dibromofluoromethane	0.405	0.359		-11.35	20
Toluene-d8	1.291	1.103		-14.59	20
4-Bromofluorobenzene	0.640	0.543		-15.13	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G3976 SAS No.: G3976 SDG No.: G3976

Instrument ID: MSVOA_H Calibration Date/Time: 10/21/2015 11:39

Lab File ID: VH057302.D Init. Calib. Date(s): 10/20/2015 10/20/2015

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:53 20:36

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Methyl tert-butyl Ether	1.671	2.002		19.82	20
Benzene	1.383	1.364		-1.38	20
Toluene	0.786	0.768		-2.2	20
Ethyl Benzene	0.505	0.485		-4.02	20
m/p-Xylenes	0.609	0.586		-3.81	20
o-Xylene	0.589	0.554		-6.03	20
Isopropylbenzene	4.425	4.341		-1.9	20
n-propylbenzene	4.888	4.914		0.52	20
1,3,5-Trimethylbenzene	2.788	2.663		-4.47	20
tert-Butylbenzene	2.636	2.499		-5.21	20
1,2,4-Trimethylbenzene	2.801	2.743		-2.1	20
sec-Butylbenzene	2.861	2.747		-3.98	20
p-Isopropyltoluene	2.208	2.291		3.77	20
n-Butylbenzene	1.835	1.917		4.49	20
Naphthalene	0.890	0.967		8.66	20
1,2-Dichloroethane-d4	0.660	0.726		10.03	20
Dibromofluoromethane	0.369	0.371		0.57	20
Toluene-d8	1.063	1.046		-1.54	20
4-Bromofluorobenzene	0.314	0.299		-4.62	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G13976
QUOTE NO. Q15061210
COC Number 034968

6.1

CLIENT INFORMATION
REPORT TO BE SENT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT PROJECT INFORMATION
PROJECT NAME: 121-123 Reynolds Street
PROJECT NO.: 51365-15 LOCATION: Rochester, NY
PROJECT MANAGER: Jeff Danzinger
e-mail: jdanzinger@daymail.net
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT BILLING INFORMATION
BILL TO: Day Environmental, Inc. PO#: 51365-15
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION
FAX: Std 10 DAYS*
HARD COPY: Std 10 DAYS*
EDD: Std 10 DAYS*
PREAPPROVED TAT: ☒ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☐ LEVEL 1: Results only
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☒ Others NYSDEC ASP Category B
☒ EDD Format: NYSDEC Equis Excel

ANALYSIS
1 STARS List (CP-51 VOCs 8260)
2 TCLP Metals (Hg, 6010, 7470)
3 Ignitability 1030
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E	E	E							— Specify Preservatives A–HCl B–HNO_3 C–H_2SO_4 D–NaOH E–ICE F–Other
1.	022 – MW-2 (8-9.4)	Soil		X	10/7/15	1045	1	X									
2.	023 – MW-3 (8-8.8)	Soil		X	10/7/15	0822	1	X									
3.	024 – MW-4 (9)	Soil		X	10/6/15	1235	1	X									
4.	025 – IDW1 (Soil)	Soil	X		10/7/15	—	4		X	X	→						Composite in lab for full TCL ASP Cat B not required for 025 – IDW1 (Soil)
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

10-7-15

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10-7-15/1700	1. FED-EX
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 9:30	RECEIVED FOR LAB BY:
3. FEDEX	10-8-15	3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 5°C
Ice In Cooler?: yes

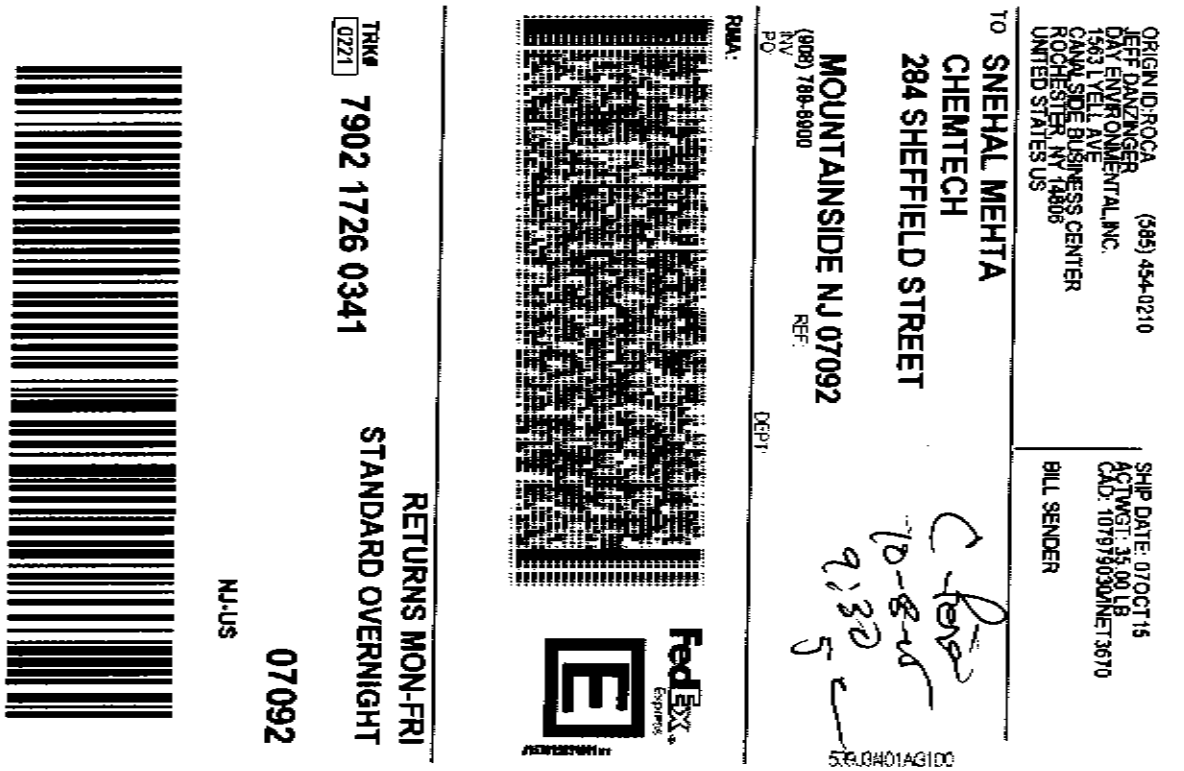
Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



1. Select the 'Print' button to print 1 copy of each label.
2. The Return Shipment instructions, which provide your recipient with information on the returns process, will be printed with the label(s).
3. After printing, select your next step by clicking one of the displayed buttons.

Note: To review or print individual labels, select the Label button under each label image above.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Louisiana	5035
Maryland	296
Massachusetts	M-NJ503
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other :

DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : 121 AND 123 REYNOLDS ST.

DAY ENVIRONMENTAL, INC.

Canalside Business Center, 1563 Lyell Avenue

Rochester, NY - 14606

Phone No: 585-454-0210

ORDER ID : G3986

ATTENTION : Jeff Danzinger

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : G3986

Project ID : 121 and 123 Reynolds St.

Client : Day Environmental, Inc.

Lab Sample Number	Client Sample Number
G3986-01	025-IDW1(SOIL)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 7:38 am, Oct 29, 2015

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Day Environmental, Inc.
Project Name: 121 and 123 Reynolds St.
Project # N/A
Chemtech Project # G3986
Test Name: TCLP ICP Metals, TCLP Mercury

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 10/07/2015.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ignitability, TCLP Extraction, TCLP ICP Metals, TCLP Mercury and TCLP METALS. This data package contains results for TCLP ICP Metals, TCLP Mercury.

C. Analytical Techniques:
The analysis of TCLP ICP Metals was based on method 6010B, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
This data package has been revised due to the wrong volume reported on the the first data package sent.

LCCV & LLICV is not required for 6010B analytical method.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

APPROVED
By Mildred V Reyes, QAQC Supervisor at 7:38 am, Oct 29, 2015

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Day Environmental, Inc.
Project Name: 121 and 123 Reynolds St.
Project # N/A
Chemtech Project # G3986
Test Name: Ignitability

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 10/07/2015.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ignitability, TCLP Extraction, TCLP ICP Metals, TCLP Mercury and TCLP METALS. This data package contains results for Ignitability.

C. Analytical Techniques:
The analysis of Ignitability was based on method 1030.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

APPROVED
By Mildred V Reyes, QAQC Supervisor at 7:37 am, Oct 29, 2015

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: G3986

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: DHWANI PATEL **Date:** 10/19/2015

2nd Level QA Review Signature: Mildred V Reyes Date:

APPROVED
By Mildred V Reyes, QAQC Supervisor at 7:37 am, Oct 29, 2015

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LAB CHRONICLE

OrderID:	G3986	**OrderDate:**	10/8/2015 12:43:00 PM
Client:	Day Environmental, Inc.	**Project:**	121 and 123 Reynolds St.
Contact:	Jeff Danzinger	**Location:**	O42

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G3986-01	**025-IDW1(SOIL)**	**TCLP**			**10/07/15**			**10/07/15**
			TCLP ICP Metals	6010B		10/09/15	10/09/15	
			TCLP Mercury	7470A		10/09/15	10/12/15	

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Hit Summary Sheet
SW-846

SDG No.: G3986 **Order ID:** G3986

Client: Day Environmental, Inc. **Project ID:** 121 and 123 Reynolds St.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**025-IDW1(SOIL)**								
G3986-01	025-IDW1(SOIL)	TCLP	Barium	1,310.000		40	125	500	ug/L
G3986-01	025-IDW1(SOIL)	TCLP	Lead	40.200	J	15	15.0	60	ug/L
G3986-01	025-IDW1(SOIL)	TCLP	Selenium	190.000		48	50.0	100	ug/L

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/07/15
Project:	121 and 123 Reynolds St.	Date Received:	10/07/15
Client Sample ID:	025-IDW1(SOIL)	SDG No.:	G3986
Lab Sample ID:	G3986-01	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-38-2	Arsenic	100	U	1	25	25.0	100	ug/L	10/09/15 11:00	10/09/15 18:12	SW6010
7440-39-3	Barium	1310		1	40	125	500	ug/L	10/09/15 11:00	10/09/15 18:12	SW6010
7440-43-9	Cadmium	30	U	1	5	7.5	30	ug/L	10/09/15 11:00	10/09/15 18:12	SW6010
7440-47-3	Chromium	50	U	1	11	12.5	50	ug/L	10/09/15 11:00	10/09/15 18:12	SW6010
7439-92-1	Lead	40.2	J	1	15	15.0	60	ug/L	10/09/15 11:00	10/09/15 18:12	SW6010
7439-97-6	Mercury	2	U	1	1	1.0	2	ug/L	10/09/15 12:30	10/12/15 15:32	SW7470A
7782-49-2	Selenium	190		1	48	50.0	100	ug/L	10/09/15 11:00	10/09/15 18:12	SW6010
7440-22-4	Silver	50	U	1	12.5	12.5	50	ug/L	10/09/15 11:00	10/09/15 18:12	SW6010

Color Before:	Colorless	Clarity Before:		Texture:	Clear
Color After:	Colorless	Clarity After:		Artifacts:	Clear
Comments:	TCLP METALS				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV08	Mercury	4.1846	4.0	104.6	90 - 110	CV	10/12/2015	14:43	LB78268

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV20	Mercury	5.0756	5.0	101.5	90 - 110	CV	10/12/2015	14:47	LB78268
CCV21	Mercury	5.3215	5.0	106.4	90 - 110	CV	10/12/2015	15:13	LB78268
CCV22	Mercury	5.2933	5.0	105.9	90 - 110	CV	10/12/2015	15:41	LB78268

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	987.98	999	98.9	95 - 105	P	10/09/2015	11:07	LB78261
	Barium	527.45	497	106.1	95 - 105	P	10/09/2015	11:07	LB78261
	Cadmium	480.93	496	97	95 - 105	P	10/09/2015	11:07	LB78261
	Chromium	482.81	490	98.5	95 - 105	P	10/09/2015	11:07	LB78261
	Lead	972.54	1002	97.1	95 - 105	P	10/09/2015	11:07	LB78261
	Selenium	988.86	1029	96.1	95 - 105	P	10/09/2015	11:07	LB78261
	Silver	489.23	501	97.7	95 - 105	P	10/09/2015	11:07	LB78261

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	23.21	20.0	116.1	70 - 130	P	10/09/2015	11:11	LB78261
	Barium	105.93	100	105.9	70 - 130	P	10/09/2015	11:11	LB78261
	Cadmium	5.82	6.0	97	70 - 130	P	10/09/2015	11:11	LB78261
	Chromium	9.52	10.0	95.2	70 - 130	P	10/09/2015	11:11	LB78261
	Lead	13.43	12.0	111.9	70 - 130	P	10/09/2015	11:11	LB78261
	Selenium	22.34	20.0	111.7	70 - 130	P	10/09/2015	11:11	LB78261
	Silver	9.8	10.0	98	70 - 130	P	10/09/2015	11:11	LB78261

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4951.3	5000	99	90 - 110	P	10/09/2015	11:36	LB78261
	Barium	10147	10000	101.5	90 - 110	P	10/09/2015	11:36	LB78261
	Cadmium	2440.8	2500	97.6	90 - 110	P	10/09/2015	11:36	LB78261
	Chromium	974.93	1000	97.5	90 - 110	P	10/09/2015	11:36	LB78261
	Lead	4864.5	5000	97.3	90 - 110	P	10/09/2015	11:36	LB78261
	Selenium	4986	5000	99.7	90 - 110	P	10/09/2015	11:36	LB78261
	Silver	1215.8	1250	97.3	90 - 110	P	10/09/2015	11:36	LB78261

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV01	Arsenic	15.88	20.0	79.4	70 - 130	P	10/09/2015	11:49	LB78261
	Barium	102.61	100	102.6	70 - 130	P	10/09/2015	11:49	LB78261
	Cadmium	5.55	6.0	92.5	70 - 130	P	10/09/2015	11:49	LB78261
	Chromium	8.88	10.0	88.8	70 - 130	P	10/09/2015	11:49	LB78261
	Lead	12.5	12.0	104.2	70 - 130	P	10/09/2015	11:49	LB78261
	Selenium	18.98	20.0	94.9	70 - 130	P	10/09/2015	11:49	LB78261
	Silver	8.93	10.0	89.3	70 - 130	P	10/09/2015	11:49	LB78261

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Arsenic	4899.6	5000	98	90 - 110	P	10/09/2015	13:23	LB78261
	Barium	9907.4	10000	99.1	90 - 110	P	10/09/2015	13:23	LB78261
	Cadmium	2403.6	2500	96.1	90 - 110	P	10/09/2015	13:23	LB78261
	Chromium	983.81	1000	98.4	90 - 110	P	10/09/2015	13:23	LB78261
	Lead	4856.6	5000	97.1	90 - 110	P	10/09/2015	13:23	LB78261
	Selenium	4972.3	5000	99.4	90 - 110	P	10/09/2015	13:23	LB78261
	Silver	1212.8	1250	97	90 - 110	P	10/09/2015	13:23	LB78261
CCV03	Arsenic	4845.8	5000	96.9	90 - 110	P	10/09/2015	15:13	LB78261
	Barium	9933.1	10000	99.3	90 - 110	P	10/09/2015	15:13	LB78261
	Cadmium	2397.8	2500	95.9	90 - 110	P	10/09/2015	15:13	LB78261
	Chromium	977.39	1000	97.7	90 - 110	P	10/09/2015	15:13	LB78261
	Lead	4848.6	5000	97	90 - 110	P	10/09/2015	15:13	LB78261
	Selenium	4943.3	5000	98.9	90 - 110	P	10/09/2015	15:13	LB78261
	Silver	1196.4	1250	95.7	90 - 110	P	10/09/2015	15:13	LB78261
CCV04	Arsenic	4897.3	5000	97.9	90 - 110	P	10/09/2015	16:54	LB78261
	Barium	10043	10000	100.4	90 - 110	P	10/09/2015	16:54	LB78261
	Cadmium	2421.1	2500	96.8	90 - 110	P	10/09/2015	16:54	LB78261
	Chromium	986.29	1000	98.6	90 - 110	P	10/09/2015	16:54	LB78261
	Lead	4908.9	5000	98.2	90 - 110	P	10/09/2015	16:54	LB78261
	Selenium	4990.1	5000	99.8	90 - 110	P	10/09/2015	16:54	LB78261
	Silver	1205.6	1250	96.4	90 - 110	P	10/09/2015	16:54	LB78261
CCV05	Arsenic	4878.3	5000	97.6	90 - 110	P	10/09/2015	17:46	LB78261
	Barium	10008	10000	100.1	90 - 110	P	10/09/2015	17:46	LB78261
	Cadmium	2389.3	2500	95.6	90 - 110	P	10/09/2015	17:46	LB78261
	Chromium	975.84	1000	97.6	90 - 110	P	10/09/2015	17:46	LB78261
	Lead	4878.2	5000	97.6	90 - 110	P	10/09/2015	17:46	LB78261
	Selenium	4991.8	5000	99.8	90 - 110	P	10/09/2015	17:46	LB78261
	Silver	1200	1250	96	90 - 110	P	10/09/2015	17:46	LB78261
CCV06	Arsenic	4863	5000	97.3	90 - 110	P	10/09/2015	18:37	LB78261
	Barium	9715.3	10000	97.2	90 - 110	P	10/09/2015	18:37	LB78261
	Cadmium	2391.6	2500	95.7	90 - 110	P	10/09/2015	18:37	LB78261
	Chromium	975.15	1000	97.5	90 - 110	P	10/09/2015	18:37	LB78261
	Lead	4888.7	5000	97.8	90 - 110	P	10/09/2015	18:37	LB78261
	Selenium	4972.5	5000	99.5	90 - 110	P	10/09/2015	18:37	LB78261

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Silver	1197.2	1250	95.8	90 - 110	P	10/09/2015	18:37	LB78261
CCV07	Arsenic	4887.8	5000	97.8	90 - 110	P	10/09/2015	19:26	LB78261
	Barium	9911.8	10000	99.1	90 - 110	P	10/09/2015	19:26	LB78261
	Cadmium	2412.3	2500	96.5	90 - 110	P	10/09/2015	19:26	LB78261
	Chromium	987.65	1000	98.8	90 - 110	P	10/09/2015	19:26	LB78261
	Lead	4922.6	5000	98.5	90 - 110	P	10/09/2015	19:26	LB78261
	Selenium	4977.1	5000	99.5	90 - 110	P	10/09/2015	19:26	LB78261
	Silver	1208.4	1250	96.7	90 - 110	P	10/09/2015	19:26	LB78261
CCV08	Arsenic	4939.5	5000	98.8	90 - 110	P	10/09/2015	19:42	LB78261
	Barium	9801.6	10000	98	90 - 110	P	10/09/2015	19:42	LB78261
	Cadmium	2443.9	2500	97.8	90 - 110	P	10/09/2015	19:42	LB78261
	Chromium	997.62	1000	99.8	90 - 110	P	10/09/2015	19:42	LB78261
	Lead	4975.1	5000	99.5	90 - 110	P	10/09/2015	19:42	LB78261
	Selenium	5042.7	5000	100.9	90 - 110	P	10/09/2015	19:42	LB78261
	Silver	1217.1	1250	97.4	90 - 110	P	10/09/2015	19:42	LB78261

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLCCV02	Arsenic	19.75	20.0	98.8	70 - 130	P	10/09/2015	19:46	LB78261
	Barium	101.89	100	101.9	70 - 130	P	10/09/2015	19:46	LB78261
	Cadmium	5.67	6.0	94.5	70 - 130	P	10/09/2015	19:46	LB78261
	Chromium	9.49	10.0	94.9	70 - 130	P	10/09/2015	19:46	LB78261
	Lead	12.08	12.0	100.7	70 - 130	P	10/09/2015	19:46	LB78261
	Selenium	18.33	20.0	91.7	70 - 130	P	10/09/2015	19:46	LB78261
	Silver	8.91	10.0	89.1	70 - 130	P	10/09/2015	19:46	LB78261

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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	18.27	20.0	91.4	40 - 160	P	10/09/2015	11:19	LB78261
	Barium	104.72	100	104.7	40 - 160	P	10/09/2015	11:19	LB78261
	Cadmium	5.79	6.0	96.5	40 - 160	P	10/09/2015	11:19	LB78261
	Chromium	9.25	10.0	92.5	40 - 160	P	10/09/2015	11:19	LB78261
	Lead	12.94	12.0	107.8	40 - 160	P	10/09/2015	11:19	LB78261
	Selenium	21.48	20.0	107.4	40 - 160	P	10/09/2015	11:19	LB78261
	Silver	9.34	10.0	93.4	40 - 160	P	10/09/2015	11:19	LB78261

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB08	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	10/12/2015	14:45	LB78268

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB20	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	10/12/2015	14:50	LB78268
CCB21	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	10/12/2015	15:15	LB78268
CCB22	Mercury	0.2	+/-0.2	U	0.1	0.2	CV	10/12/2015	15:43	LB78268

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	11:15	LB78261
	Barium	100	+/-100	U	50.0	100	P	10/09/2015	11:15	LB78261
	Cadmium	6.0	+/-6.0	U	3.0	6.0	P	10/09/2015	11:15	LB78261
	Chromium	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	11:15	LB78261
	Lead	12.0	+/-12.0	U	6.0	12.0	P	10/09/2015	11:15	LB78261
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	11:15	LB78261
	Silver	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	11:15	LB78261

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	11:53	LB78261
	Barium	100	+/-100	U	50.0	100	P	10/09/2015	11:53	LB78261
	Cadmium	6.0	+/-6.0	U	3.0	6.0	P	10/09/2015	11:53	LB78261
	Chromium	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	11:53	LB78261
	Lead	12.0	+/-12.0	U	6.0	12.0	P	10/09/2015	11:53	LB78261
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	11:53	LB78261
	Silver	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	11:53	LB78261
CCB02	Arsenic	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	13:27	LB78261
	Barium	100	+/-100	U	50.0	100	P	10/09/2015	13:27	LB78261
	Cadmium	6.0	+/-6.0	U	3.0	6.0	P	10/09/2015	13:27	LB78261
	Chromium	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	13:27	LB78261
	Lead	12.0	+/-12.0	U	6.0	12.0	P	10/09/2015	13:27	LB78261
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	13:27	LB78261
	Silver	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	13:27	LB78261
CCB03	Arsenic	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	15:17	LB78261
	Barium	100	+/-100	U	50.0	100	P	10/09/2015	15:17	LB78261
	Cadmium	6.0	+/-6.0	U	3.0	6.0	P	10/09/2015	15:17	LB78261
	Chromium	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	15:17	LB78261
	Lead	12.0	+/-12.0	U	6.0	12.0	P	10/09/2015	15:17	LB78261
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	15:17	LB78261
	Silver	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	15:17	LB78261
CCB04	Arsenic	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	16:58	LB78261
	Barium	100	+/-100	U	50.0	100	P	10/09/2015	16:58	LB78261
	Cadmium	6.0	+/-6.0	U	3.0	6.0	P	10/09/2015	16:58	LB78261
	Chromium	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	16:58	LB78261
	Lead	12.0	+/-12.0	U	6.0	12.0	P	10/09/2015	16:58	LB78261
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	16:58	LB78261
	Silver	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	16:58	LB78261
CCB05	Arsenic	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	17:50	LB78261
	Barium	100	+/-100	U	50.0	100	P	10/09/2015	17:50	LB78261
	Cadmium	6.0	+/-6.0	U	3.0	6.0	P	10/09/2015	17:50	LB78261
	Chromium	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	17:50	LB78261
	Lead	12.0	+/-12.0	U	6.0	12.0	P	10/09/2015	17:50	LB78261
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	17:50	LB78261
	Silver	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	17:50	LB78261
CCB06	Arsenic	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	18:41	LB78261
	Barium	100	+/-100	U	50.0	100	P	10/09/2015	18:41	LB78261
	Cadmium	6.0	+/-6.0	U	3.0	6.0	P	10/09/2015	18:41	LB78261
	Chromium	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	18:41	LB78261
	Lead	12.0	+/-12.0	U	6.0	12.0	P	10/09/2015	18:41	LB78261

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	18:41	LB78261
	Silver	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	18:41	LB78261
CCB07	Arsenic	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	19:30	LB78261
	Barium	100	+/-100	U	50.0	100	P	10/09/2015	19:30	LB78261
	Cadmium	6.0	+/-6.0	U	3.0	6.0	P	10/09/2015	19:30	LB78261
	Chromium	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	19:30	LB78261
	Lead	12.0	+/-12.0	U	6.0	12.0	P	10/09/2015	19:30	LB78261
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	19:30	LB78261
	Silver	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	19:30	LB78261
CCB08	Arsenic	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	19:50	LB78261
	Barium	100	+/-100	U	50.0	100	P	10/09/2015	19:50	LB78261
	Cadmium	6.0	+/-6.0	U	3.0	6.0	P	10/09/2015	19:50	LB78261
	Chromium	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	19:50	LB78261
	Lead	12.0	+/-12.0	U	6.0	12.0	P	10/09/2015	19:50	LB78261
	Selenium	20.0	+/-20.0	U	10.0	20.0	P	10/09/2015	19:50	LB78261
	Silver	10.0	+/-10.0	U	5.0	10.0	P	10/09/2015	19:50	LB78261

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB86046BL		**WATER**		**Batch Number:**		**PB86046**		**Prep Date:**	**10/09/2015**	
	Mercury	0.2	<0.2	U	0.1	0.2	CV	10/12/2015	14:58	LB78268

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB86046TB		**WATER**		**Batch Number:**		**PB86046**		**Prep Date:**	**10/09/2015**	
	Mercury	2.0	<2.0	U	1.0	2.0	CV	10/12/2015	15:02	LB78268

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB86039BL		**WATER**		**Batch Number:**		**PB86039**		**Prep Date:**	**10/09/2015**	
	Arsenic	100	<100	U	25.0	100	P	10/09/2015	14:57	LB78261
	Barium	500	<500	U	125	500	P	10/09/2015	14:57	LB78261
	Cadmium	30.0	<30.0	U	7.5	30.0	P	10/09/2015	14:57	LB78261
	Chromium	50.0	<50.0	U	12.5	50.0	P	10/09/2015	14:57	LB78261
	Lead	60.0	<60.0	U	15.0	60.0	P	10/09/2015	14:57	LB78261
	Selenium	100	<100	U	50.0	100	P	10/09/2015	14:57	LB78261
	Silver	50.0	<50.0	U	12.5	50.0	P	10/09/2015	14:57	LB78261

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB86039TB		**WATER**		**Batch Number:**		**PB86039**		**Prep Date:**	**10/09/2015**	
	Arsenic	100	<100	U	25.0	100	P	10/09/2015	17:04	LB78261
	Barium	500	<500	U	125	500	P	10/09/2015	17:04	LB78261
	Cadmium	30.0	<30.0	U	7.5	30.0	P	10/09/2015	17:04	LB78261
	Chromium	50.0	<50.0	U	12.5	50.0	P	10/09/2015	17:04	LB78261
	Lead	60.0	<60.0	U	15.0	60.0	P	10/09/2015	17:04	LB78261
	Selenium	100	<100	U	50.0	100	P	10/09/2015	17:04	LB78261
	Silver	50.0	<50.0	U	12.5	50.0	P	10/09/2015	17:04	LB78261

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	13.7			-20	20	10/09/2015	11:23	LB78261
	Barium	8.05	6.0	134.2	-94	106	10/09/2015	11:23	LB78261
	Cadmium	1.69	1.0	169	-5	7	10/09/2015	11:23	LB78261
	Chromium	54.1	52.0	104	42	62	10/09/2015	11:23	LB78261
	Lead	-1.72			-12	12	10/09/2015	11:23	LB78261
	Selenium	6.66			-20	20	10/09/2015	11:23	LB78261
	Silver	-7.38			-10	10	10/09/2015	11:23	LB78261
ICSAB01	Arsenic	117	104	112.5	83	125	10/09/2015	11:32	LB78261
	Barium	561	537	104.5	337	737	10/09/2015	11:32	LB78261
	Cadmium	1010	972	103.9	778	1166	10/09/2015	11:32	LB78261
	Chromium	538	542	99.3	434	650	10/09/2015	11:32	LB78261
	Lead	45.8	49.0	93.5	39	59	10/09/2015	11:32	LB78261
	Selenium	55.6	46.0	120.9	11	81	10/09/2015	11:32	LB78261
	Silver	219	201	109	161	241	10/09/2015	11:32	LB78261

METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Day Environmental, Inc. **level:** low **sdg no.:** G3986

contract: DAYE01 **lab code:** CHEM **case no.:** G3986 **sas no.:** G3986

matrix: WATER **sample id:** G3979-09 **client id:** A13COMPMS

Percent Solids for Sample: NA **Spiked ID:** G3979-09MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4070		100	U	4000	101.8		P
Barium	ug/L	75 - 125	1790		602		1000	119		P
Cadmium	ug/L	75 - 125	1020		30.0	U	1000	102		P
Chromium	ug/L	75 - 125	2070		50.0	U	2000	103.5		P
Lead	ug/L	75 - 125	5400		361		5000	101		P
Mercury	ug/L	75 - 125	33.6		2.0	U	40.0	84		CV
Selenium	ug/L	75 - 125	10300		70.3	J	10000	102		P
Silver	ug/L	75 - 125	350		50.0	U	380	92.1		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Day Environmental, Inc. **level:** low **sdg no.:** G3986

contract: DAYE01 **lab code:** CHEM **case no.:** G3986 **sas no.:** G3986

matrix: WATER **sample id:** G3979-09 **client id:** A13COMPMSD

Percent Solids for Sample: NA **Spiked ID:** G3979-09MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4120		100	U	4000	103		P
Barium	ug/L	75 - 125	1790		602		1000	119		P
Cadmium	ug/L	75 - 125	1020		30.0	U	1000	102		P
Chromium	ug/L	75 - 125	2070		50.0	U	2000	103.5		P
Lead	ug/L	75 - 125	5420		361		5000	101		P
Mercury	ug/L	75 - 125	34.1		2.0	U	40.0	85.3		CV
Selenium	ug/L	75 - 125	10500		70.3	J	10000	104		P
Silver	ug/L	75 - 125	348		50.0	U	380	91.6		P

CHEMTECH

Metals
- 5b -

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Day Environmental, Inc. **Level:** LOW **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Matrix: WATER **Sample ID:** G3979-09 **Client ID:** A13COMPDUP

Percent Solids for Sample: NA **Duplicate ID** G3979-09DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	602		592		2		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	361		362		0		P
Mercury	ug/L	20	2.0	U	2.0	U			CV
Selenium	ug/L	20	70.3	J	62	J	13		P
Silver	ug/L	20	50.0	U	50.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Day Environmental, Inc. **Level:** LOW **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Matrix: WATER **Sample ID:** G3979-09MS **Client ID:** A13COMPMSD

Percent Solids for Sample: NA **Duplicate ID** G3979-09MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4070		4120		1		P
Barium	ug/L	20	1790		1790		0		P
Cadmium	ug/L	20	1020		1020		0		P
Chromium	ug/L	20	2070		2070		0		P
Lead	ug/L	20	5400		5420		0		P
Mercury	ug/L	20	33.6		34.1		1		CV
Selenium	ug/L	20	10300		10500		2		P
Silver	ug/L	20	350		348		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB86039BS							
Arsenic	ug/L	4000	3740		93.5	80 - 120	P
Barium	ug/L	1000	1040		104	80 - 120	P
Cadmium	ug/L	1000	924		92.4	80 - 120	P
Chromium	ug/L	2000	1950		97.5	80 - 120	P
Lead	ug/L	5000	4730		94.6	80 - 120	P
Selenium	ug/L	10000	9540		95.4	80 - 120	P
Silver	ug/L	380	334		87.9	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB86046BS							
Mercury	ug/L	4.0	3.47		86.8	80 - 120	CV

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

A13COMPL

Lab Name: Chemtech Consulting Group **Contract:** DAYE01

Lab Code: CHEM **Lb No.:** lb78261 **Lab Sample ID :** G3979-09L **SDG No.:** G3986

Matrix (soil/water): WATER **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	602		674	J	12		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	361		416		15		P
Mercury	2.0	U	10.0	U			CV
Selenium	70.3	J	500	U	100.0		P
Silver	50.0	U	250	U			P

METAL PREPARATION & INSTRUMENT DATA

Metals

- 10 -

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Instrument ID: P4 **Preparation Method:**

Analyte	Wave- length (nm)	MDL	LOD	PQL	Date:
LIQUID					
Method:	**6010B**				
Arsenic	189.04	2.5	2.5	10	
Barium	493.41	4	12.5	50	
Cadmium	226.50	0.5	0.75	3	
Chromium	267.72	1.1	1.25	5	
Lead	220.35	1.5	1.5	6	
Selenium	196.02	4.8	5.0	10	
Silver	328.07	1.25	1.25	5	

Metals

- 10 -

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Instrument ID: CV1 **Preparation Method:**

Analyte	Wave- length (nm)	MDL	LOD	PQL	Date:
LIQUID					
Method:	**7470A**				
Mercury	253.70	0.1	0.1	0.2	

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0001030	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000840	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0001070	0.0000000	0.0000280	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001280	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001170	0.0000000	0.0000000

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0002660
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0011220	0.0000000	0.0000000	0.0000000	0.0015300
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000600
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0002280	0.0000000
Lead	220.353	-0.0003060	0.0000000	0.0000000	0.0001250	-0.0013650
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0006680	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	-0.0000930	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0002444	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	-0.0040370	0.0000000

Metals

- 12 -
LINEAR RANGES

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Case No.:** G3986 **SAS No.:** G3986

Instrument ID: P4 **Date:** 02/20/2015

Analyte	Integration Time (sec)	LDR ug/L
Arsenic	10	90000
Barium	10	100000
Cadmium	10	10000
Chromium	10	85000
Lead	10	280000
Selenium	10	45000
Silver	10	8500

METAL PREPARATION & ANALYICAL SUMMARY

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Method:**

Case No.: G3986 **SAS No.:** G3986

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB86039**						
G3979-09DUP	A13COMPDUP	DUP	WATER	10/09/2015	5.0	25.0	
G3979-09MS	A13COMPMS	MS	WATER	10/09/2015	5.0	25.0	
G3979-09MSD	A13COMPMSD	MSD	WATER	10/09/2015	5.0	25.0	
G3986-01	025-IDW1(SOIL)	SAM	WATER	10/09/2015	5.0	25.0	
PB86039BL	PB86039BL	MB	WATER	10/09/2015	5.0	25.0	
PB86039BS	PB86039BS	LCS	WATER	10/09/2015	5.0	25.0	
PB86039TB	PB86039TB	MB	WATER	10/09/2015	5.0	25.0	

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Day Environmental, Inc. **SDG No.:** G3986

Contract: DAYE01 **Lab Code:** CHEM **Method:**

Case No.: G3986 **SAS No.:** G3986

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB86046**						
G3979-09DUP	A13COMPDUP	DUP	WATER	10/09/2015	3.0	30.0	
G3979-09MS	A13COMPMS	MS	WATER	10/09/2015	3.0	30.0	
G3979-09MSD	A13COMPMSD	MSD	WATER	10/09/2015	3.0	30.0	
G3986-01	025-IDW1(SOIL)	SAM	WATER	10/09/2015	3.0	30.0	
PB86046BL	PB86046BL	MB	WATER	10/09/2015	30.0	30.0	
PB86046BS	PB86046BS	LCS	WATER	10/09/2015	30.0	30.0	
PB86046TB	PB86046TB	MB	WATER	10/09/2015	3.0	30.0	

metals
- 14 -
ANALYSIS RUN LOG

Client: Day Environmental, Inc. **Contract:** DAYE01

Lab code: CHEM **Case no.:** G3986 **Sas no.:** G3986 **Sdg no.:** G3986

Instrument id number: **Method:** **Run number:** LB78261

Start date: 10/09/2015 **End date:** 10/09/2015

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1029	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1033	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1037	,
S3	S3	1	1041	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1045	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1049	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1107	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1111	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1115	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1119	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1123	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1132	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1136	Ag,As,Ba,Cd,Cr,Pb,Se
LLCCV01	LLCCV01	1	1149	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1153	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1323	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1327	Ag,As,Ba,Cd,Cr,Pb,Se
PB86039BL	PB86039BL	1	1457	Ag,As,Ba,Cd,Cr,Pb,Se
PB86039BS	PB86039BS	1	1501	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1513	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1517	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1654	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1658	Ag,As,Ba,Cd,Cr,Pb,Se
PB86039TB	PB86039TB	1	1704	Ag,As,Ba,Cd,Cr,Pb,Se
G3979-09DUP	A13COMPDUP	1	1713	Ag,As,Ba,Cd,Cr,Pb,Se
G3979-09L	A13COMPL	5	1717	Ag,As,Ba,Cd,Cr,Pb,Se
G3979-09MS	A13COMPMS	1	1721	Ag,As,Ba,Cd,Cr,Pb,Se
G3979-09MSD	A13COMPMSD	1	1725	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1746	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1750	Ag,As,Ba,Cd,Cr,Pb,Se
G3986-01	025-IDW1(SOIL)	1	1812	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1837	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1841	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1926	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1930	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1942	Ag,As,Ba,Cd,Cr,Pb,Se
LLCCV02	LLCCV02	1	1946	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1950	Ag,As,Ba,Cd,Cr,Pb,Se

metals
- 14 -
ANALYSIS RUN LOG

Client: Day Environmental, Inc. **Contract:** DAYE01

Lab code: CHEM **Case no.:** G3986 **Sas no.:** G3986 **Sdg no.:** G3986

Instrument id number: **Method:** **Run number:** LB78268

Start date: 10/12/2015 **End date:** 10/12/2015

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1427	HG
S0.2	S0.2	1	1429	HG
S2.5	S2.5	1	1431	HG
S5	S5	1	1433	HG
S7.5	S7.5	1	1435	HG
S10	S10	1	1440	HG
ICV08	ICV08	1	1443	HG
ICB08	ICB08	1	1445	HG
CCV20	CCV20	1	1447	HG
CCB20	CCB20	1	1450	HG
PB86046BL	PB86046BL	1	1458	HG
PB86046BS	PB86046BS	1	1500	HG
PB86046TB	PB86046TB	1	1502	HG
G3979-09DUP	A13COMPDUP	1	1507	HG
G3979-09MS	A13COMPMS	1	1509	HG
G3979-09MSD	A13COMPMSD	1	1511	HG
CCV21	CCV21	1	1513	HG
CCB21	CCB21	1	1515	HG
G3986-01	025-IDW1(SOIL)	1	1532	HG
G3979-09L	A13COMPL	5	1534	HG
CCV22	CCV22	1	1541	HG
CCB22	CCB22	1	1543	HG

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

LAB CHRONICLE

OrderID:	G3986	**OrderDate:**	10/8/2015 12:43:00 PM
Client:	Day Environmental, Inc.	**Project:**	121 and 123 Reynolds St.
Contact:	Jeff Danzinger	**Location:**	O42

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G3986-01	**025-IDW1(SOIL)**	**SOIL**			**10/07/15 12:00**			**10/07/15**
			Ignitability	1030			10/09/15 11:00	

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/07/15 12:00
Project:	121 and 123 Reynolds St.	Date Received:	10/07/15
Client Sample ID:	025-IDW1(SOIL)	SDG No.:	G3986
Lab Sample ID:	G3986-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ignitability	NO		1	0	0	0	o C		10/09/15 11:00	1030

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Duplicate Sample Summary

Client: Day Environmental, Inc.
SDG No.: G3986
Project: 121 and 123 Reynolds St.
Sample ID: G3986-01
Client ID: 025-IDW1(SOIL)D
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifie	Duplicate Result	Conc. Qualifie	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	o C	+/-20	NO		NO		1	0		10/09/2015

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Method Detection Limits

Client: Day Environmental, Inc. **SDG No.:** G3986

Project: 121 and 123 Reynolds St.

Analyte	Units	MDL	RDL
Method: 1030 Ignitability		**MDL Date:** 01/15/2006	
Matrix Category: SOLIDS			
Ignitability	o C	150.00	150.00

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G13986
QUOTE NO. Q150612D
COC Number 034968

7.1

CLIENT INFORMATION
REPORT TO BE SENT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT PROJECT INFORMATION
PROJECT NAME: 121-123 Reynolds Street
PROJECT NO.: 51365-15 LOCATION: Rochester, NY
PROJECT MANAGER: Jeff Danzinger
e-mail: jdanzinger@daymail.net
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT BILLING INFORMATION
BILL TO: Day Environmental, Inc. PO#: 51365-15
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION
FAX: Std 10 DAYS *
HARD COPY: Std 10 DAYS *
EDD: Std 10 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☐ LEVEL 1: Results only
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☒ EDD Format: NYSDEC Equis Excel
☒ Others NYSDEC ASP Category B

ANALYSIS
1 STARS/(CP-51 VOCs B260
2 TCLP metals 1311, 6010, 7470
3 Ignitability 1030
4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	022 - MW-2 (8-9.4)	Soil		X	10/7/15	1045	1	X									
2.	023 - MW-3 (8-8.8)	Soil		X	10/7/15	0822	1	X									
3.	024 - MW-4 (9)	Soil		X	10/6/15	1235	1	X									
4.	025 - IDW1 (Soil)	Soil	X		10/7/15	—	4		X	X							Composite in lab (Hold for ASP Cat B not required for 025 - IDW1 (Soil))
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

E = ICE

Copy Original Documents are included in CSF G13986
Signature 10/8/15 Date

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10-7-15/1700	1. FED-EX
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3. FEDEX	DATE/TIME: 9:30 10-8-15	RECEIVED FOR LAB BY: 3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Cooler Temp. 5°C
Ice in Cooler?: yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT
Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

From: Jeff Danzinger [JDanzinger@daymail.net]
Sent: Thursday, October 08, 2015 3:38 PM
To: 'Snehal Mehta'
Cc: Nate Simon
Subject: RE: 121-123 reynolds St

Snehal,
That is correct. TCLP metals to report are arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver.
Thanks,
Jeff

From: Snehal Mehta [mailto:Snehal@chemtech.net]
Sent: Thursday, October 08, 2015 3:34 PM
To: Jeff Danzinger
Cc: Nate Simon
Subject: RE: 121-123 reynolds St

Jeff,

Lab have separated SDG for 'IDW sample' as per comment on attached to report Cat-A Data Package. Please confirm for TCLP fraction lab is reporting following metals & TCLP Mercury only.

Regards,

Snehal Mehta

Tel. 908 728 3149
Fax: 908-789-8514



From: Jeff Danzinger [mailto:JDanzinger@daymail.net]
Sent: Wednesday, October 07, 2015 11:58 AM
To: 'Snehal Mehta'
Subject: RE: 121-123 reynolds St

thanks

From: Snehal Mehta [mailto:Snehal@chemtech.net]
Sent: Wednesday, October 07, 2015 11:57 AM
To: Jeff Danzinger
Cc: 'Steven Kim'
Subject: RE: 121-123 reynolds St

Jeff,

Attached is the Return Label. Please forward us the COC at your earliest convenience.

Regards,

Snehal Mehta

Tel. 908 728 3149
Fax: 908-789-8514



From: Jeff Danzinger [mailto:JDanzinger@daymail.net]
Sent: Wednesday, October 07, 2015 11:25 AM
To: 'Snehal Mehta'
Cc: 'Steven Kim'
Subject: 121-123 reynolds St

Snehal,

I have some soil samples that need to be shipped overnight to Chemtech. They will be shipped out tonight or tomorrow AM.

Please provide an overnight shipping label ASAP today. Assume medium size cooler.

Thanks,

Jeff

Jeffrey A. Danzinger
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:114
Fax: (585) 454-0825

This message may contain information that is privileged or confidential. If you are not the intended recipient or an employee or agent responsible for delivering this message to the intended recipient, you are not authorized to read, print, retain, copy or disseminate this message or any part of it. If you received this transmission in error, please notify the sender by reply e-mail and delete the message and any attachments.

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Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Louisiana	5035
Maryland	296
Massachusetts	M-NJ503
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other :

DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS

PROJECT NAME : 121 AND 123 REYNOLDS ST.

DAY ENVIRONMENTAL, INC.

Canalside Business Center, 1563 Lyell Avenue

Rochester, NY - 14606

Phone No: 585-454-0210

ORDER ID : G4162

ATTENTION : Jeff Danzinger

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

Table Of Contents for G4162

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6) Shipping Document 57

6.1) CHAIN OF CUSTODY 58

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6.4) Lab Certificate 62

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : G4162

Project ID : 121 and 123 Reynolds St.

Client : Day Environmental, Inc.

Lab Sample Number	Client Sample Number
G4162-01	026-MW-1
G4162-02	027-MW-2
G4162-03	028-MW-3
G4162-04	029-MW-4

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED Date: 11/4/2015

By Mildred V Reyes, QAQC Supervisor at 10:02 am, Nov 10, 2015

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
026-MW-1	G4162-01	8260-Low					
027-MW-2	G4162-02	8260-Low					
028-MW-3	G4162-03	8260-Low					
029-MW-4	G4162-04	8260-Low					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
G4162-01	Water	10/23/15	10/26/15		10/30/15
G4162-02	Water	10/23/15	10/26/15		10/30/15
G4162-03	Water	10/23/15	10/26/15		10/30/15
G4162-04	Water	10/23/15	10/26/15		10/30/15

* Details For Test :VOCMS Group1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
G4162-01	Water	8260-Low	5030		
G4162-02	Water	8260-Low	5030		
G4162-03	Water	8260-Low	5030		
G4162-04	Water	8260-Low	5030		

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Day Environmental, Inc.
Project Name: 121 and 123 Reynolds St.
Project # N/A
Chemtech Project # G4162
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
4 Water samples were received on 10/26/2015.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOCMS Group1 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD for {VN1030WBSD01} with File ID: VN028389.D recoveries met criteria except for Acetone[24%] .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 82N102815W.M) for Bromomethane, Naphthalene , Cyclohexane & 1,2-Dibromo-3-Chloropropane, 1,4-Dioxane% 1,2,4-Trichlorobenzene these compounds are passing on Linear regression .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.
Sample 026-MW-1 was diluted due to high concentration.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

CHEMTECH
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F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____ Mildred V Reyes __

APPROVED
By Mildred V Reyes, QAQC Supervisor at 10:02 am, Nov 10, 2015

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: G4162

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: MOHINI SONI **Date:** 11/04/2015

REVIEWED
By kalpana, Data Reviewer at 2:41 pm, Nov 09, 2015

2nd Level QA Review Signature: **Date:**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

LAB CHRONICLE

OrderID:	G4162	**OrderDate:**	10/26/2015 12:05:00 PM
Client:	Day Environmental, Inc.	**Project:**	121 and 123 Reynolds St.
Contact:	Jeff Danzinger	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G4162-01	**026-MW-1**	**Water**			**10/23/15**			**10/26/15**
			VOCMS Group1	8260-Low			10/30/15	
G4162-01DL	**026-MW-1DL**	**Water**			**10/23/15**			**10/26/15**
			VOCMS Group1	8260-Low			10/30/15	
G4162-02	**027-MW-2**	**Water**			**10/23/15**			**10/26/15**
			VOCMS Group1	8260-Low			10/30/15	
G4162-03	**028-MW-3**	**Water**			**10/23/15**			**10/26/15**
			VOCMS Group1	8260-Low			10/30/15	
G4162-04	**029-MW-4**	**Water**			**10/23/15**			**10/26/15**
			VOCMS Group1	8260-Low			10/30/15	

Hit Summary Sheet
SW-846

SDG No.: G4162

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**026-MW-1**								
G4162-01	026-MW-1	Water	Cyclohexane	240.00	E	0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	Methylcyclohexane	290.00	E	0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	Benzene	3.50		0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	Toluene	11.50		0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	Ethyl Benzene	340.00	E	0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	m/p-Xylenes	1,200.00	E	0.4	0.4	2	ug/L
G4162-01	026-MW-1	Water	o-Xylene	17.40		0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	Isopropylbenzene	81.30		0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	n-propylbenzene	150.00		0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	1,3,5-Trimethylbenzene	300.00	E	0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	tert-Butylbenzene	1.40		0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	1,2,4-Trimethylbenzene	450.00	E	0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	sec-Butylbenzene	9.40		0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	p-Isopropyltoluene	17.00		0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	n-Butylbenzene	12.20		0.2	0.2	1	ug/L
G4162-01	026-MW-1	Water	Naphthalene	300.00	E	0.2	0.2	1	ug/L
			Total Voc :	3423.7					
			Total Concentration:	3423.7					
Client ID:	**026-MW-1DL**								
G4162-01DL	026-MW-1DL	Water	Cyclohexane	260.00	D	4	4	20	ug/L
G4162-01DL	026-MW-1DL	Water	Methylcyclohexane	270.00	D	4	4	20	ug/L
G4162-01DL	026-MW-1DL	Water	Ethyl Benzene	500.00	D	4	4	20	ug/L
G4162-01DL	026-MW-1DL	Water	m/p-Xylenes	2,300.00	D	8	8	40	ug/L
G4162-01DL	026-MW-1DL	Water	Isopropylbenzene	75.80	D	4	4	20	ug/L
G4162-01DL	026-MW-1DL	Water	n-propylbenzene	140.00	D	4	4	20	ug/L
G4162-01DL	026-MW-1DL	Water	1,3,5-Trimethylbenzene	300.00	D	4	4	20	ug/L
G4162-01DL	026-MW-1DL	Water	1,2,4-Trimethylbenzene	1,100.00	D	4	4	20	ug/L
G4162-01DL	026-MW-1DL	Water	Naphthalene	350.00	D	4	4	20	ug/L
			Total Voc :	5295.8					
			Total Concentration:	5295.8					
Client ID:	**027-MW-2**								
G4162-02	027-MW-2	Water	Cyclohexane	10.50		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	Methylcyclohexane	6.20		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	Benzene	7.70		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	Toluene	2.20		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	Ethyl Benzene	9.10		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	m/p-Xylenes	36.50		0.4	0.4	2	ug/L

Hit Summary Sheet
SW-846

SDG No.: G4162

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
G4162-02	027-MW-2	Water	o-Xylene	9.50		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	Isopropylbenzene	9.20		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	n-propylbenzene	15.30		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	1,3,5-Trimethylbenzene	15.00		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	tert-Butylbenzene	0.54	J	0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	1,2,4-Trimethylbenzene	83.20		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	sec-Butylbenzene	6.50		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	p-Isopropyltoluene	4.50		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	n-Butylbenzene	3.40		0.2	0.2	1	ug/L
G4162-02	027-MW-2	Water	Naphthalene	74.80		0.2	0.2	1	ug/L
			Total Voc :	294.14					
			Total Concentration:	294.14					
Client ID:	**028-MW-3**								
G4162-03	028-MW-3	Water	Cyclohexane	32.30		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	Methylcyclohexane	56.40		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	Benzene	2.90		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	Toluene	2.10		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	Ethyl Benzene	5.90		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	m/p-Xylenes	60.60		0.4	0.4	2	ug/L
G4162-03	028-MW-3	Water	o-Xylene	2.40		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	Isopropylbenzene	9.80		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	n-propylbenzene	14.50		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	1,3,5-Trimethylbenzene	28.10		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	tert-Butylbenzene	0.82	J	0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	1,2,4-Trimethylbenzene	130.00		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	sec-Butylbenzene	5.90		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	p-Isopropyltoluene	6.00		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	n-Butylbenzene	3.10		0.2	0.2	1	ug/L
G4162-03	028-MW-3	Water	Naphthalene	37.30		0.2	0.2	1	ug/L
			Total Voc :	398.12					
			Total Concentration:	398.12					
Client ID:	**029-MW-4**								
G4162-04	029-MW-4	Water	Cyclohexane	5.10		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	Methylcyclohexane	3.70		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	Benzene	2.50		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	Toluene	0.60	J	0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	Ethyl Benzene	2.20		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	m/p-Xylenes	8.40		0.4	0.4	2	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: G4162

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
G4162-04	029-MW-4	Water	o-Xylene	1.40		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	Isopropylbenzene	6.80		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	n-propylbenzene	11.20		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	1,3,5-Trimethylbenzene	2.90		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	tert-Butylbenzene	0.56	J	0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	1,2,4-Trimethylbenzene	28.30		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	sec-Butylbenzene	6.90		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	p-Isopropyltoluene	2.70		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	n-Butylbenzene	2.90		0.2	0.2	1	ug/L
G4162-04	029-MW-4	Water	Naphthalene	23.90		0.2	0.2	1	ug/L
			Total Voc :	110.06					
			Total Concentration:	110.06					

SAMPLE DATA

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	026-MW-1	SDG No.:	G4162
Lab Sample ID:	G4162-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028385.D	1		10/30/15 17:33	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	240	E	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	290	E	0.2	0.2	1	ug/L
71-43-2	Benzene	3.5		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	11.5		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	026-MW-1	SDG No.:	G4162
Lab Sample ID:	G4162-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028385.D	1		10/30/15 17:33	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	340	E	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	1200	E	0.4	0.4	2	ug/L
95-47-6	o-Xylene	17.4		0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	81.3		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	150		0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	300	E	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	1.4		0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	450	E	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	9.4		0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	17		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	12.2		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	300	E	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.9		61 - 141		102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	54.8		65 - 126		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		58 - 135		113%	SPK: 50

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	026-MW-1	SDG No.:	G4162
Lab Sample ID:	G4162-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028385.D	1		10/30/15 17:33	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1075320	7.75				
540-36-3	1,4-Difluorobenzene	1773760	8.68				
3114-55-4	Chlorobenzene-d5	1653870	11.52				
3855-82-1	1,4-Dichlorobenzene-d4	807310	13.47				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	026-MW-1DL	SDG No.:	G4162
Lab Sample ID:	G4162-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028386.D	20		10/30/15 18:00	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20	UD	4	4	20	ug/L
74-87-3	Chloromethane	20	UD	4	4	20	ug/L
75-01-4	Vinyl Chloride	20	UD	4	4	20	ug/L
74-83-9	Bromomethane	20	UD	4	4	20	ug/L
75-00-3	Chloroethane	20	UD	4	10	20	ug/L
75-69-4	Trichlorofluoromethane	20	UD	4	4	20	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20	UD	4	4	20	ug/L
75-35-4	1,1-Dichloroethene	20	UD	4	4	20	ug/L
67-64-1	Acetone	100	UD	10	20	100	ug/L
75-15-0	Carbon Disulfide	20	UD	4	4	20	ug/L
1634-04-4	Methyl tert-butyl Ether	20	UD	7	10	20	ug/L
79-20-9	Methyl Acetate	20	UD	4	10	20	ug/L
75-09-2	Methylene Chloride	20	UD	4	4	20	ug/L
156-60-5	trans-1,2-Dichloroethene	20	UD	4	4	20	ug/L
75-34-3	1,1-Dichloroethane	20	UD	4	4	20	ug/L
110-82-7	Cyclohexane	260	D	4	4	20	ug/L
78-93-3	2-Butanone	100	UD	26.4	50	100	ug/L
56-23-5	Carbon Tetrachloride	20	UD	4	4	20	ug/L
156-59-2	cis-1,2-Dichloroethene	20	UD	4	4	20	ug/L
74-97-5	Bromochloromethane	20	UD	4	10	20	ug/L
67-66-3	Chloroform	20	UD	4	4	20	ug/L
71-55-6	1,1,1-Trichloroethane	20	UD	4	4	20	ug/L
108-87-2	Methylcyclohexane	270	D	4	4	20	ug/L
71-43-2	Benzene	20	UD	4	4	20	ug/L
107-06-2	1,2-Dichloroethane	20	UD	4	4	20	ug/L
79-01-6	Trichloroethene	20	UD	4	4	20	ug/L
78-87-5	1,2-Dichloropropane	20	UD	4	4	20	ug/L
75-27-4	Bromodichloromethane	20	UD	4	4	20	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	20	20	100	ug/L
108-88-3	Toluene	20	UD	4	4	20	ug/L
10061-02-6	t-1,3-Dichloropropene	20	UD	4	4	20	ug/L
10061-01-5	cis-1,3-Dichloropropene	20	UD	4	4	20	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	026-MW-1DL	SDG No.:	G4162
Lab Sample ID:	G4162-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028386.D	20		10/30/15 18:00	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20	UD	4	4	20	ug/L
591-78-6	2-Hexanone	100	UD	38.8	50	100	ug/L
124-48-1	Dibromochloromethane	20	UD	4	4	20	ug/L
106-93-4	1,2-Dibromoethane	20	UD	4	4	20	ug/L
127-18-4	Tetrachloroethene	20	UD	4	4	20	ug/L
108-90-7	Chlorobenzene	20	UD	4	4	20	ug/L
100-41-4	Ethyl Benzene	500	D	4	4	20	ug/L
179601-23-1	m/p-Xylenes	2300	D	8	8	40	ug/L
95-47-6	o-Xylene	20	UD	4	4	20	ug/L
100-42-5	Styrene	20	UD	4	4	20	ug/L
75-25-2	Bromoform	20	UD	4	4	20	ug/L
98-82-8	Isopropylbenzene	75.8	D	4	4	20	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20	UD	4	4	20	ug/L
103-65-1	n-propylbenzene	140	D	4	4	20	ug/L
108-67-8	1,3,5-Trimethylbenzene	300	D	4	4	20	ug/L
98-06-6	tert-Butylbenzene	20	UD	4	4	20	ug/L
95-63-6	1,2,4-Trimethylbenzene	1100	D	4	4	20	ug/L
135-98-8	sec-Butylbenzene	20	UD	4	4	20	ug/L
99-87-6	p-Isopropyltoluene	20	UD	4	4	20	ug/L
541-73-1	1,3-Dichlorobenzene	20	UD	4	4	20	ug/L
106-46-7	1,4-Dichlorobenzene	20	UD	4	4	20	ug/L
104-51-8	n-Butylbenzene	20	UD	4	4	20	ug/L
95-50-1	1,2-Dichlorobenzene	20	UD	4	4	20	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20	UD	4	4	20	ug/L
120-82-1	1,2,4-Trichlorobenzene	20	UD	4	4	20	ug/L
91-20-3	Naphthalene	350	D	4	4	20	ug/L
87-61-6	1,2,3-Trichlorobenzene	20	UD	4	4	20	ug/L
123-91-1	1,4-Dioxane	2000	UD	2000	2000	2000	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		61 - 141		103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	53.6		65 - 126		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		58 - 135		109%	SPK: 50

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	026-MW-1DL	SDG No.:	G4162
Lab Sample ID:	G4162-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028386.D	20		10/30/15 18:00	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1101070	7.75				
540-36-3	1,4-Difluorobenzene	1778520	8.68				
3114-55-4	Chlorobenzene-d5	1662650	11.52				
3855-82-1	1,4-Dichlorobenzene-d4	744309	13.47				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	027-MW-2	SDG No.:	G4162
Lab Sample ID:	G4162-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028387.D	1		10/30/15 18:28	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	10.5		0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	6.2		0.2	0.2	1	ug/L
71-43-2	Benzene	7.7		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	2.2		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	027-MW-2	SDG No.:	G4162
Lab Sample ID:	G4162-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028387.D	1		10/30/15 18:28	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	9.1		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	36.5		0.4	0.4	2	ug/L
95-47-6	o-Xylene	9.5		0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	9.2		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	15.3		0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	15		0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.54	J	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	83.2		0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	6.5		0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	4.5		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	3.4		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	74.8		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		61 - 141		101%	SPK: 50
1868-53-7	Dibromofluoromethane	47.7		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	52.3		65 - 126		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		58 - 135		109%	SPK: 50

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	027-MW-2	SDG No.:	G4162
Lab Sample ID:	G4162-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028387.D	1		10/30/15 18:28	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1038340	7.75				
540-36-3	1,4-Difluorobenzene	1659170	8.68				
3114-55-4	Chlorobenzene-d5	1551420	11.52				
3855-82-1	1,4-Dichlorobenzene-d4	727367	13.47				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	028-MW-3	SDG No.:	G4162
Lab Sample ID:	G4162-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028388.D	1		10/30/15 18:56	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	32.3		0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	56.4		0.2	0.2	1	ug/L
71-43-2	Benzene	2.9		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	2.1		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	028-MW-3	SDG No.:	G4162
Lab Sample ID:	G4162-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028388.D	1		10/30/15 18:56	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	5.9		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	60.6		0.4	0.4	2	ug/L
95-47-6	o-Xylene	2.4		0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	9.8		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	14.5		0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	28.1		0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.82	J	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	130		0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	5.9		0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	6		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	3.1		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	37.3		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50		61 - 141		100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	53.3		65 - 126		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		58 - 135		109%	SPK: 50

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	028-MW-3	SDG No.:	G4162
Lab Sample ID:	G4162-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028388.D	1		10/30/15 18:56	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1083450	7.75				
540-36-3	1,4-Difluorobenzene	1769240	8.68				
3114-55-4	Chlorobenzene-d5	1653680	11.52				
3855-82-1	1,4-Dichlorobenzene-d4	775852	13.47				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	029-MW-4	SDG No.:	G4162
Lab Sample ID:	G4162-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028384.D	1		10/30/15 17:05	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	5.1		0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	3.7		0.2	0.2	1	ug/L
71-43-2	Benzene	2.5		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	0.6	J	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	029-MW-4	SDG No.:	G4162
Lab Sample ID:	G4162-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028384.D	1		10/30/15 17:05	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	2.2		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	8.4		0.4	0.4	2	ug/L
95-47-6	o-Xylene	1.4		0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	6.8		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	11.2		0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	2.9		0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	0.56	J	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	28.3		0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	6.9		0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	2.7		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	2.9		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	23.9		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.7		61 - 141		111%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		69 - 133		97%	SPK: 50
2037-26-5	Toluene-d8	52.5		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53		58 - 135		106%	SPK: 50

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	029-MW-4	SDG No.:	G4162
Lab Sample ID:	G4162-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028384.D	1		10/30/15 17:05	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	920525	7.75				
540-36-3	1,4-Difluorobenzene	1562720	8.68				
3114-55-4	Chlorobenzene-d5	1451060	11.52				
3855-82-1	1,4-Dichlorobenzene-d4	662414	13.47				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

QC SUMMARY

Surrogate Summary

SDG No.: G4162

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
G4162-01	026-MW-1	1,2-Dichloroethane-d4	50	50.86	102	61	141
		Dibromofluoromethane	50	47.51	95	69	133
		Toluene-d8	50	54.8	110	65	126
		4-Bromofluorobenzene	50	56.31	113	58	135
G4162-01DL	026-MW-1DL	1,2-Dichloroethane-d4	50	51.67	103	61	141
		Dibromofluoromethane	50	48.15	96	69	133
		Toluene-d8	50	53.63	107	65	126
		4-Bromofluorobenzene	50	54.47	109	58	135
G4162-02	027-MW-2	1,2-Dichloroethane-d4	50	50.56	101	61	141
		Dibromofluoromethane	50	47.71	95	69	133
		Toluene-d8	50	52.25	104	65	126
		4-Bromofluorobenzene	50	54.69	109	58	135
G4162-03	028-MW-3	1,2-Dichloroethane-d4	50	49.98	100	61	141
		Dibromofluoromethane	50	47.4	95	69	133
		Toluene-d8	50	53.3	107	65	126
		4-Bromofluorobenzene	50	54.49	109	58	135
G4162-04	029-MW-4	1,2-Dichloroethane-d4	50	55.69	111	61	141
		Dibromofluoromethane	50	48.43	97	69	133
		Toluene-d8	50	52.47	105	65	126
		4-Bromofluorobenzene	50	53.03	106	58	135
VN1030WBL01	VN1030WBL01	1,2-Dichloroethane-d4	50	53.57	107	61	141
		Dibromofluoromethane	50	49.41	99	69	133
		Toluene-d8	50	52.62	105	65	126
		4-Bromofluorobenzene	50	51.76	104	58	135
VN1030WBS01	VN1030WBS01	1,2-Dichloroethane-d4	50	55.59	111	61	141
		Dibromofluoromethane	50	52.21	104	69	133
		Toluene-d8	50	53.39	107	65	126
		4-Bromofluorobenzene	50	52.49	105	58	135
VN1030WBSD0	VN1030WBSD01	1,2-Dichloroethane-d4	50	52.23	104	61	141
		Dibromofluoromethane	50	50.06	100	69	133
		Toluene-d8	50	50.13	100	65	126
		4-Bromofluorobenzene	50	49.47	99	58	135

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4162

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low **Datafile :** VN028378.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1030WBS01	Dichlorodifluoromethane	20	20.2	ug/L	101			46	139	
	Chloromethane	20	18.6	ug/L	93			58	139	
	Vinyl chloride	20	19.8	ug/L	99			65	137	
	Bromomethane	20	21.6	ug/L	108			50	162	
	Chloroethane	20	20	ug/L	100			54	160	
	Trichlorofluoromethane	20	19.6	ug/L	98			67	143	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97			71	136	
	1,1-Dichloroethene	20	19.5	ug/L	98			69	134	
	Acetone	100	110	ug/L	110			41	181	
	Carbon disulfide	20	18.4	ug/L	92			63	138	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			72	136	
	Methyl Acetate	20	20.3	ug/L	102			51	158	
	Methylene Chloride	20	18.9	ug/L	95			67	138	
	trans-1,2-Dichloroethene	20	19.5	ug/L	98			72	132	
	1,1-Dichloroethane	20	19.5	ug/L	98			74	135	
	Cyclohexane	20	19.9	ug/L	100			67	132	
	2-Butanone	100	100	ug/L	100			64	146	
	Carbon Tetrachloride	20	18.3	ug/L	92			71	134	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			74	130	
	Bromochloromethane	20	21.7	ug/L	109			71	136	
	Chloroform	20	19.7	ug/L	99			74	134	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			74	133	
	Methylcyclohexane	20	18.9	ug/L	95			71	125	
	Benzene	20	19.5	ug/L	98			75	125	
	1,2-Dichloroethane	20	20.1	ug/L	101			76	130	
	Trichloroethene	20	18.9	ug/L	95			73	127	
	1,2-Dichloropropane	20	19.4	ug/L	97			76	125	
	Bromodichloromethane	20	19.5	ug/L	98			78	127	
	4-Methyl-2-Pentanone	100	98.3	ug/L	98			71	140	
	Toluene	20	18.8	ug/L	94			74	125	
	t-1,3-Dichloropropene	20	18.1	ug/L	91			74	131	
	cis-1,3-Dichloropropene	20	18	ug/L	90			74	128	
	1,1,2-Trichloroethane	20	19.2	ug/L	96			75	129	
	2-Hexanone	100	100	ug/L	100			62	153	
	Dibromochloromethane	20	17.6	ug/L	88			74	131	
	1,2-Dibromoethane	20	18.7	ug/L	94			74	129	
	Tetrachloroethene	20	20.1	ug/L	101			46	157	
	Chlorobenzene	20	19	ug/L	95			76	123	
	Ethyl Benzene	20	18.7	ug/L	94			75	126	
	m/p-Xylenes	40	37.3	ug/L	93			74	126	
	o-Xylene	20	18.9	ug/L	95			73	127	
	Styrene	20	18.9	ug/L	95			75	126	
	Bromoform	20	17.4	ug/L	87			66	130	
	Isopropylbenzene	20	17.7	ug/L	89			70	127	
	1,1,2,2-Tetrachloroethane	20	18.1	ug/L	91			66	131	
	N-propylbenzene	20	18.4	ug/L	92			71	126	
	1,3,5-Trimethylbenzene	20	18.4	ug/L	92			71	127	
	tert-Butylbenzene	20	17.5	ug/L	88			66	129	
	1,2,4-Trimethylbenzene	20	19	ug/L	95			69	130	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4162

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low **Datafile :** VN028378.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1030WBS01	Sec-butylbenzene	20	18.3	ug/L	92			72	126	
	p-Isopropyltoluene	20	19	ug/L	95			71	125	
	1,3-Dichlorobenzene	20	18.1	ug/L	91			70	125	
	1,4-Dichlorobenzene	20	18	ug/L	90			71	124	
	n-Butylbenzene	20	18.5	ug/L	93			68	128	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			71	126	
	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93			62	134	
	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			62	129	
	Naphthalene	20	18.3	ug/L	92			62	130	
	1,2,3-Trichlorobenzene	20	17.5	ug/L	88			58	130	
	1,4-Dioxane	400	360	ug/L	90			50	150	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4162
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low **Datafile :** VN028389.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1030WBSD01	Dichlorodifluoromethane	20	19.5	ug/L	98	3		46	139	20
	Chloromethane	20	18.8	ug/L	94	1		58	139	20
	Vinyl chloride	20	19.4	ug/L	97	2		65	137	20
	Bromomethane	20	19.5	ug/L	98	10		50	162	20
	Chloroethane	20	19.9	ug/L	100	0		54	160	20
	Trichlorofluoromethane	20	18.8	ug/L	94	4		67	143	20
	1,1,2-Trichlorotrifluoroethane	20	18.8	ug/L	94	3		71	136	20
	1,1-Dichloroethene	20	19.8	ug/L	99	1		69	134	20
	Acetone	100	86.3	ug/L	86	24	*	41	181	20
	Carbon disulfide	20	17.2	ug/L	86	7		63	138	20
	Methyl tert-butyl Ether	20	19.7	ug/L	99	1		72	136	20
	Methyl Acetate	20	19.4	ug/L	97	5		51	158	20
	Methylene Chloride	20	19.3	ug/L	97	2		67	138	20
	trans-1,2-Dichloroethene	20	18.6	ug/L	93	5		72	132	20
	1,1-Dichloroethane	20	19.7	ug/L	99	1		74	135	20
	Cyclohexane	20	20.3	ug/L	102	2		67	132	20
	2-Butanone	100	92.6	ug/L	93	7		64	146	20
	Carbon Tetrachloride	20	17.9	ug/L	90	2		71	134	20
	cis-1,2-Dichloroethene	20	19.6	ug/L	98	2		74	130	20
	Bromochloromethane	20	22.9	ug/L	115	5		71	136	20
	Chloroform	20	18.8	ug/L	94	5		74	134	20
	1,1,1-Trichloroethane	20	18.8	ug/L	94	3		74	133	20
	Methylcyclohexane	20	18	ug/L	90	5		71	125	20
	Benzene	20	19.3	ug/L	97	1		75	125	20
	1,2-Dichloroethane	20	18.8	ug/L	94	7		76	130	20
	Trichloroethene	20	18.1	ug/L	91	4		73	127	20
	1,2-Dichloropropane	20	18.6	ug/L	93	4		76	125	20
	Bromodichloromethane	20	17.8	ug/L	89	10		78	127	20
	4-Methyl-2-Pentanone	100	96.7	ug/L	97	1		71	140	20
	Toluene	20	18.8	ug/L	94	0		74	125	20
	t-1,3-Dichloropropene	20	17.5	ug/L	88	3		74	131	20
	cis-1,3-Dichloropropene	20	17.9	ug/L	90	0		74	128	20
	1,1,2-Trichloroethane	20	19.2	ug/L	96	0		75	129	20
	2-Hexanone	100	96.7	ug/L	97	3		62	153	20
	Dibromochloromethane	20	17.1	ug/L	86	2		74	131	20
	1,2-Dibromoethane	20	18.4	ug/L	92	2		74	129	20
	Tetrachloroethene	20	21	ug/L	105	4		46	157	20
	Chlorobenzene	20	18.6	ug/L	93	2		76	123	20
	Ethyl Benzene	20	19	ug/L	95	1		75	126	20
	m/p-Xylenes	40	38.1	ug/L	95	2		74	126	20
	o-Xylene	20	18.5	ug/L	93	2		73	127	20
	Styrene	20	18.9	ug/L	95	0		75	126	20
	Bromoform	20	17.5	ug/L	88	1		66	130	20
	Isopropylbenzene	20	18.7	ug/L	94	5		70	127	20
	1,1,2,2-Tetrachloroethane	20	18.2	ug/L	91	0		66	131	20
	N-propylbenzene	20	18.9	ug/L	95	3		71	126	20
	1,3,5-Trimethylbenzene	20	19	ug/L	95	3		71	127	20
	tert-Butylbenzene	20	18.5	ug/L	93	6		66	129	20
	1,2,4-Trimethylbenzene	20	19.9	ug/L	100	5		69	130	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4162

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low **Datafile :** VN028389.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1030WBSD01	Sec-butylbenzene	20	19	ug/L	95	3		72	126	20
	p-Isopropyltoluene	20	19.1	ug/L	96	1		71	125	20
	1,3-Dichlorobenzene	20	17.7	ug/L	89	2		70	125	20
	1,4-Dichlorobenzene	20	18.3	ug/L	92	2		71	124	20
	n-Butylbenzene	20	18	ug/L	90	3		68	128	20
	1,2-Dichlorobenzene	20	17.9	ug/L	90	1		71	126	20
	1,2-Dibromo-3-Chloropropane	20	18.7	ug/L	94	1		62	134	20
	1,2,4-Trichlorobenzene	20	19.5	ug/L	98	3		62	129	20
	Naphthalene	20	21.7	ug/L	109	17		62	130	20
	1,2,3-Trichlorobenzene	20	19	ug/L	95	8		58	130	20
	1,4-Dioxane	400	400	ug/L	100	11		50	150	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1030WBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4162 SAS No.: G4162 SDG NO.: G4162

Lab File ID: VN028376.D Lab Sample ID: VN1030WBL01

Date Analyzed: 10/30/2015 Time Analyzed: 11:24

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1030WBS01	VN1030WBS01	VN028378.D	10/30/2015
029-MW-4	G4162-04	VN028384.D	10/30/2015
026-MW-1	G4162-01	VN028385.D	10/30/2015
026-MW-1DL	G4162-01DL	VN028386.D	10/30/2015
027-MW-2	G4162-02	VN028387.D	10/30/2015
028-MW-3	G4162-03	VN028388.D	10/30/2015
VN1030WBSD01	VN1030WBSD01	VN028389.D	10/30/2015

COMMENTS:

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4162 SAS No.: G4162 SDG NO.: G4162

Lab File ID: VN028281.D BFB Injection Date: 10/28/2015

Instrument ID: MSVOA_N BFB Injection Time: 10:34

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.8
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	89.2
175	5.0 - 9.0% of mass 174	6.7 (7.6) 1
176	95.0 - 101.0% of mass 174	85.3 (95.6) 1
177	5.0 - 9.0% of mass 176	5.3 (6.2) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN028282.D	10/28/2015	11:51
VSTDICC005	VSTDICC005	VN028283.D	10/28/2015	12:23
VSTDICC020	VSTDICC020	VN028284.D	10/28/2015	12:51
VSTDICCC050	VSTDICCC050	VN028285.D	10/28/2015	13:18
VSTDICC100	VSTDICC100	VN028286.D	10/28/2015	13:46
VSTDICC200	VSTDICC200	VN028287.D	10/28/2015	14:13

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4162 SAS No.: G4162 SDG NO.: G4162

Lab File ID: VN028374.D BFB Injection Date: 10/30/2015

Instrument ID: MSVOA_N BFB Injection Time: 10:09

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	54.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	84.8
175	5.0 - 9.0% of mass 174	6.7 (7.9) 1
176	95.0 - 101.0% of mass 174	84.1 (99.2) 1
177	5.0 - 9.0% of mass 176	5.2 (6.2) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN028375.D	10/30/2015	10:47
VN1030WBL01	VN1030WBL01	VN028376.D	10/30/2015	11:24
VN1030WBS01	VN1030WBS01	VN028378.D	10/30/2015	12:19
029-MW-4	G4162-04	VN028384.D	10/30/2015	17:05
026-MW-1	G4162-01	VN028385.D	10/30/2015	17:33
026-MW-1DL	G4162-01DL	VN028386.D	10/30/2015	18:00
027-MW-2	G4162-02	VN028387.D	10/30/2015	18:28
028-MW-3	G4162-03	VN028388.D	10/30/2015	18:56
VN1030WBSD01	VN1030WBSD01	VN028389.D	10/30/2015	19:23

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4162 SAS No.: G4162 SDG NO.: G4162

Lab File ID: VN028375.D Date Analyzed: 10/30/2015

Instrument ID: MSVOA_N Time Analyzed: 10:47

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	885503	7.75	1371320	8.68	1231970	11.52
UPPER LIMIT	1771010	8.25	2742630	9.18	2463940	12.02
LOWER LIMIT	442752	7.25	685658	8.18	615984	11.02
EPA SAMPLE NO.						
026-MW-1	1075318	7.75	1773762	8.68	1653872	11.52
026-MW-1DL	1101066	7.75	1778522	8.68	1662646	11.52
027-MW-2	1038337	7.75	1659172	8.68	1551422	11.52
028-MW-3	1083449	7.75	1769239	8.68	1653676	11.52
029-MW-4	920525	7.75	1562719	8.68	1451061	11.52
VN1030WBL01	1037235	7.75	1698410	8.68	1577752	11.52
VN1030WBS01	794519	7.75	1281988	8.68	1138851	11.52
VN1030WBSD01	893220	7.75	1425749	8.68	1254332	11.52

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4162 SAS No.: G4162 SDG NO.: G4162

Lab File ID: VN028375.D Date Analyzed: 10/30/2015

Instrument ID: MSVOA_N Time Analyzed: 10:47

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	586924	13.47				
UPPER LIMIT	1173850	13.97				
LOWER LIMIT	293462	12.97				
EPA SAMPLE NO.						
026-MW-1	807310	13.47				
026-MW-1DL	744309	13.47				
027-MW-2	727367	13.47				
028-MW-3	775852	13.47				
029-MW-4	662414	13.47				
VN1030WBL01	668902	13.47				
VN1030WBS01	521878	13.47				
VN1030WBSD01	561353	13.47				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VN1030WBL01	SDG No.:	G4162
Lab Sample ID:	VN1030WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028376.D	1		10/30/15 11:24	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VN1030WBL01	SDG No.:	G4162
Lab Sample ID:	VN1030WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028376.D	1		10/30/15 11:24	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	1	U	0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	1	U	0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	1	U	0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	1	U	0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	1	U	0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
91-20-3	Naphthalene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		61 - 141		107%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	52.6		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		58 - 135		104%	SPK: 50

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VN1030WBL01	SDG No.:	G4162
Lab Sample ID:	VN1030WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028376.D	1		10/30/15 11:24	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1037240	7.75				
540-36-3	1,4-Difluorobenzene	1698410	8.68				
3114-55-4	Chlorobenzene-d5	1577750	11.52				
3855-82-1	1,4-Dichlorobenzene-d4	668902	13.47				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VN1030WBS01	SDG No.:	G4162
Lab Sample ID:	VN1030WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028378.D	1		10/30/15 12:19	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.2		0.2	0.2	1	ug/L
74-87-3	Chloromethane	18.6		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	19.8		0.2	0.2	1	ug/L
74-83-9	Bromomethane	21.6		0.2	0.2	1	ug/L
75-00-3	Chloroethane	20		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	19.6		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	19.5		0.2	0.2	1	ug/L
67-64-1	Acetone	110		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	18.4		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	20.3		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	18.9		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	19.5		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	19.5		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	19.9		0.2	0.2	1	ug/L
78-93-3	2-Butanone	100		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	18.3		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	21.7		0.2	0.5	1	ug/L
67-66-3	Chloroform	19.7		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	18.9		0.2	0.2	1	ug/L
71-43-2	Benzene	19.5		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	18.9		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	19.5		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	98.3		1	1	5	ug/L
108-88-3	Toluene	18.8		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	18.1		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	18		0.2	0.2	1	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VN1030WBS01	SDG No.:	G4162
Lab Sample ID:	VN1030WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028378.D	1		10/30/15 12:19	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.2		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	100		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	17.6		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	18.7		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	20.1		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	19		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	18.7		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	37.3		0.4	0.4	2	ug/L
95-47-6	o-Xylene	18.9		0.2	0.2	1	ug/L
100-42-5	Styrene	18.9		0.2	0.2	1	ug/L
75-25-2	Bromoform	17.4		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	17.7		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.1		0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	18.4		0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	18.4		0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	17.5		0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	19		0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	18.3		0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	19		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	18.1		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	18		0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	18.5		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	18.2		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.2	0.2	1	ug/L
91-20-3	Naphthalene	18.3		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.5		0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	360		100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.6		61 - 141		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		69 - 133		104%	SPK: 50
2037-26-5	Toluene-d8	53.4		65 - 126		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		58 - 135		105%	SPK: 50

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VN1030WBS01	SDG No.:	G4162
Lab Sample ID:	VN1030WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028378.D	1		10/30/15 12:19	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	794519	7.75				
540-36-3	1,4-Difluorobenzene	1281990	8.68				
3114-55-4	Chlorobenzene-d5	1138850	11.52				
3855-82-1	1,4-Dichlorobenzene-d4	521878	13.47				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VN1030WBSD01	SDG No.:	G4162
Lab Sample ID:	VN1030WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028389.D	1		10/30/15 19:23	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.5		0.2	0.2	1	ug/L
74-87-3	Chloromethane	18.8		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	19.4		0.2	0.2	1	ug/L
74-83-9	Bromomethane	19.5		0.2	0.2	1	ug/L
75-00-3	Chloroethane	19.9		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	18.8		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.8		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	19.8		0.2	0.2	1	ug/L
67-64-1	Acetone	86.3		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	17.2		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	19.4		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	19.3		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	18.6		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	20.3		0.2	0.2	1	ug/L
78-93-3	2-Butanone	92.6		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	17.9		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	22.9		0.2	0.5	1	ug/L
67-66-3	Chloroform	18.8		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	18		0.2	0.2	1	ug/L
71-43-2	Benzene	19.3		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	18.1		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	17.8		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	96.7		1	1	5	ug/L
108-88-3	Toluene	18.8		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	17.5		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.9		0.2	0.2	1	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VN1030WBSD01	SDG No.:	G4162
Lab Sample ID:	VN1030WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028389.D	1		10/30/15 19:23	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.2		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	96.7		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	17.1		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	18.4		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	21		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	18.6		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	19		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	38.1		0.4	0.4	2	ug/L
95-47-6	o-Xylene	18.5		0.2	0.2	1	ug/L
100-42-5	Styrene	18.9		0.2	0.2	1	ug/L
75-25-2	Bromoform	17.5		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	18.7		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.2		0.2	0.2	1	ug/L
103-65-1	n-propylbenzene	18.9		0.2	0.2	1	ug/L
108-67-8	1,3,5-Trimethylbenzene	19		0.2	0.2	1	ug/L
98-06-6	tert-Butylbenzene	18.5		0.2	0.2	1	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.9		0.2	0.2	1	ug/L
135-98-8	sec-Butylbenzene	19		0.2	0.2	1	ug/L
99-87-6	p-Isopropyltoluene	19.1		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	17.7		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	18.3		0.2	0.2	1	ug/L
104-51-8	n-Butylbenzene	18		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	17.9		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.5		0.2	0.2	1	ug/L
91-20-3	Naphthalene	21.7		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	19		0.2	0.2	1	ug/L
123-91-1	1,4-Dioxane	400		100	100	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		61 - 141		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	50.1		65 - 126		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		58 - 135		99%	SPK: 50

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VN1030WBSD01	SDG No.:	G4162
Lab Sample ID:	VN1030WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN028389.D	1		10/30/15 19:23	VN103015

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	893220	7.75				
540-36-3	1,4-Difluorobenzene	1425750	8.68				
3114-55-4	Chlorobenzene-d5	1254330	11.52				
3855-82-1	1,4-Dichlorobenzene-d4	561353	13.47				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4162 SAS No.: G4162 SDG No.: G4162

Instrument ID: MSVOA_N Calibration Date(s): 10/28/2015 10/28/2015

Heated Purge: (Y/N) N Calibration Time(s): 11:51 14:13

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN028282.D RRF005 = VN028283.D RRF020 = VN028284.D
RRF050 = VN028285.D RRF100 = VN028286.D RRF200 = VN028287.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.635	0.476	0.539	0.525	0.526	0.558	0.543	9.7
Chloromethane	0.896	0.714	0.714	0.653	0.643	0.695	0.719	12.8
Vinyl Chloride	0.779	0.750	0.768	0.738	0.724	0.770	0.755	2.8
Bromomethane	0.465	0.298	0.325	0.305	0.332	0.365	0.348	17.8
Chloroethane	0.431	0.402	0.386	0.394	0.388	0.391	0.399	4.2
Trichlorofluoromethane	1.147	0.985	0.954	0.912	0.898	0.931	0.971	9.4
1,1,2-Trichlorotrifluoroethane	0.668	0.529	0.546	0.516	0.499	0.529	0.548	11.1
1,1-Dichloroethene	0.578	0.496	0.489	0.478	0.478	0.494	0.502	7.5
Acetone	0.267	0.216	0.253	0.236	0.232	0.238	0.240	7.4
Carbon Disulfide	1.707	1.397	1.370	1.346	1.365	1.481	1.444	9.5
Methyl tert-butyl Ether	1.558	1.558	1.597	1.592	1.600	1.704	1.601	3.4
Methyl Acetate	1.682	1.715	1.762	1.791	1.837	1.933	1.787	5
Methylene Chloride	0.688	0.592	0.566	0.552	0.552	0.567	0.586	8.9
trans-1,2-Dichloroethene	0.622	0.558	0.548	0.526	0.512	0.539	0.551	7
1,1-Dichloroethane	1.263	1.023	1.075	1.048	1.044	1.101	1.092	8
Cyclohexane	2.129	1.216	1.061	0.995	0.978	1.035	1.236	36.1
2-Butanone	0.296	0.283	0.332	0.322	0.336	0.350	0.320	8
Carbon Tetrachloride	0.566	0.490	0.489	0.487	0.496	0.529	0.509	6.2
cis-1,2-Dichloroethene	0.722	0.598	0.600	0.595	0.602	0.628	0.624	7.9
Bromochloromethane	0.507	0.401	0.521	0.523	0.515	0.509	0.496	9.5
Chloroform	1.182	1.058	1.054	1.034	1.035	1.068	1.072	5.2
1,1,1-Trichloroethane	0.902	0.884	0.905	0.894	0.892	0.950	0.905	2.6
Methylcyclohexane	0.718	0.581	0.587	0.583	0.586	0.632	0.614	8.8
Benzene	1.600	1.414	1.478	1.422	1.429	1.495	1.473	4.8
1,2-Dichloroethane	0.601	0.510	0.540	0.542	0.534	0.557	0.547	5.5
Trichloroethene	0.474	0.371	0.372	0.365	0.369	0.386	0.390	10.8
1,2-Dichloropropane	0.474	0.396	0.402	0.389	0.390	0.405	0.409	7.9
Bromodichloromethane	0.513	0.466	0.471	0.480	0.495	0.523	0.491	4.7
4-Methyl-2-Pentanone	0.397	0.386	0.427	0.418	0.432	0.467	0.421	6.8
Toluene	0.915	0.886	0.888	0.866	0.865	0.917	0.889	2.6
t-1,3-Dichloropropene	0.468	0.412	0.451	0.491	0.524	0.570	0.486	11.5
cis-1,3-Dichloropropene	0.544	0.490	0.541	0.556	0.578	0.616	0.554	7.6
1,1,2-Trichloroethane	0.397	0.323	0.336	0.328	0.333	0.346	0.344	7.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4162 SAS No.: G4162 SDG No.: G4162

Instrument ID: MSVOA_N Calibration Date(s): 10/28/2015 10/28/2015

Heated Purge: (Y/N) N Calibration Time(s): 11:51 14:13

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN028282.D RRF005 = VN028283.D RRF020 = VN028284.D
RRF050 = VN028285.D RRF100 = VN028286.D RRF200 = VN028287.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	% RSD
2-Hexanone	0.249	0.242	0.292	0.283	0.292	0.314	0.279	10
Dibromochloromethane	0.389	0.341	0.360	0.375	0.383	0.404	0.375	5.9
1,2-Dibromoethane	0.367	0.332	0.333	0.343	0.346	0.369	0.348	4.6
Tetrachloroethene	0.445	0.378	0.354	0.349	0.349	0.361	0.373	10
Chlorobenzene	1.245	1.121	1.116	1.056	1.072	1.121	1.122	5.9
Ethyl Benzene	2.038	1.788	1.847	1.828	1.864	1.999	1.894	5.3
m/p-Xylenes	0.737	0.648	0.685	0.696	0.699	0.744	0.701	5
o-Xylene	0.687	0.662	0.680	0.678	0.690	0.732	0.688	3.4
Styrene	0.976	0.934	1.047	1.086	1.115	1.214	1.062	9.4
Bromoform	0.268	0.233	0.252	0.271	0.283	0.306	0.269	9.4
Isopropylbenzene	4.655	4.317	4.070	3.988	4.033	4.337	4.234	6
1,1,2,2-Tetrachloroethane	1.354	1.144	1.123	1.052	1.029	1.089	1.132	10.3
n-propylbenzene	4.869	4.601	4.623	4.503	4.695	5.096	4.731	4.6
1,3,5-Trimethylbenzene	3.174	3.215	3.205	3.180	3.272	3.476	3.254	3.5
tert-Butylbenzene	3.228	2.981	2.939	2.852	2.882	3.055	2.989	4.6
1,2,4-Trimethylbenzene	3.237	3.138	3.243	3.212	3.241	3.460	3.255	3.3
sec-Butylbenzene	3.974	3.985	3.930	3.878	3.986	4.291	4.007	3.6
p-Isopropyltoluene	3.061	3.102	3.301	3.292	3.366	3.653	3.296	6.4
1,3-Dichlorobenzene	2.010	1.824	1.837	1.711	1.755	1.854	1.832	5.6
1,4-Dichlorobenzene	2.366	1.854	1.789	1.697	1.740	1.834	1.880	13
n-Butylbenzene	2.837	2.664	2.678	2.784	2.966	3.332	2.877	8.7
1,2-Dichlorobenzene	2.120	1.740	1.777	1.707	1.695	1.765	1.801	8.9
1,2-Dibromo-3-Chloropropane	0.258	0.162	0.161	0.169	0.176	0.196	0.187	19.8
1,2,4-Trichlorobenzene	0.767	0.764	0.926	0.964	1.039	1.166	0.938	16.7
Naphthalene	1.323	1.455	1.956	2.156	2.505	2.900	2.049	29.5
1,2,3-Trichlorobenzene	0.851	0.726	0.925	0.927	1.001	1.125	0.926	14.5
1,2-Dichloroethane-d4		0.585	0.661	0.682	0.687	0.695	0.662	6.8
Dibromofluoromethane		0.294	0.323	0.336	0.338	0.344	0.327	6.1
Toluene-d8		1.023	1.153	1.180	1.195	1.247	1.160	7.2
4-Bromofluorobenzene		0.356	0.379	0.402	0.402	0.429	0.394	6.9
1,4-Dioxane	6.223	3.824	4.682	4.227	4.375	4.573	4.651	17.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4162 SAS No.: G4162 SDG No.: G4162

Instrument ID: MSVOA_N Calibration Date/Time: 10/30/2015 10:47

Lab File ID: VN028375.D Init. Calib. Date(s): 10/28/2015 10/28/2015

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:51 14:13

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.543	0.530		-2.36	20
Chloromethane	0.719	0.660	0.1	-8.18	20
Vinyl Chloride	0.755	0.748		-0.82	20
Bromomethane	0.348	0.337		-3.3	20
Chloroethane	0.399	0.403		1.1	20
Trichlorofluoromethane	0.971	0.964		-0.78	20
1,1,2-Trichlorotrifluoroethane	0.548	0.550		0.49	20
1,1-Dichloroethene	0.502	0.493		-1.87	20
Acetone	0.240	0.265		10.15	20
Carbon Disulfide	1.444	1.365		-5.48	20
Methyl tert-butyl Ether	1.601	1.576		-1.61	20
Methyl Acetate	1.787	1.776		-0.58	20
Methylene Chloride	0.586	0.562		-4.14	20
trans-1,2-Dichloroethene	0.551	0.529		-3.98	20
1,1-Dichloroethane	1.092	1.072	0.1	-1.84	20
Cyclohexane	1.236	1.061		-14.13	20
2-Butanone	0.320	0.334		4.25	20
Carbon Tetrachloride	0.509	0.508		-0.2	20
cis-1,2-Dichloroethene	0.624	0.607		-2.77	20
Bromochloromethane	0.496	0.527		6.35	20
Chloroform	1.072	1.060		-1.11	20
1,1,1-Trichloroethane	0.905	0.909		0.54	20
Methylcyclohexane	0.614	0.654		6.53	20
Benzene	1.473	1.536		4.32	20
1,2-Dichloroethane	0.547	0.579		5.77	20
Trichloroethene	0.390	0.393		0.98	20
1,2-Dichloropropane	0.409	0.416		1.66	20
Bromodichloromethane	0.491	0.511		3.89	20
4-Methyl-2-Pentanone	0.421	0.440		4.39	20
Toluene	0.889	0.915		2.88	20
t-1,3-Dichloropropene	0.486	0.523		7.74	20
cis-1,3-Dichloropropene	0.554	0.581		4.93	20
1,1,2-Trichloroethane	0.344	0.344		-0.14	20
2-Hexanone	0.279	0.305		9.33	20
Dibromochloromethane	0.375	0.380		1.33	20
1,2-Dibromoethane	0.348	0.354		1.66	20
Tetrachloroethene	0.373	0.410		10.11	20
Chlorobenzene	1.122	1.116	0.3	-0.5	20
Ethyl Benzene	1.894	1.957		3.34	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4162 SAS No.: G4162 SDG No.: G4162

Instrument ID: MSVOA_N Calibration Date/Time: 10/30/2015 10:47

Lab File ID: VN028375.D Init. Calib. Date(s): 10/28/2015 10/28/2015

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:51 14:13

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.701	0.741		5.63	20
o-Xylene	0.688	0.714		3.75	20
Styrene	1.062	1.173		10.51	20
Bromoform	0.269	0.257	0.1	-4.43	20
Isopropylbenzene	4.234	4.060		-4.09	20
1,1,2,2-Tetrachloroethane	1.132	1.020	0.3	-9.86	20
n-propylbenzene	4.731	4.814		1.76	20
1,3,5-Trimethylbenzene	3.254	3.255		0.05	20
tert-Butylbenzene	2.989	2.851		-4.62	20
1,2,4-Trimethylbenzene	3.255	3.313		1.77	20
sec-Butylbenzene	4.007	4.131		3.1	20
p-Isopropyltoluene	3.296	3.487		5.81	20
1,3-Dichlorobenzene	1.832	1.832		0.02	20
1,4-Dichlorobenzene	1.880	1.795		-4.54	20
n-Butylbenzene	2.877	3.202		11.31	20
1,2-Dichlorobenzene	1.801	1.729		-3.99	20
1,2-Dibromo-3-Chloropropane	0.187	0.157		-15.84	20
1,2,4-Trichlorobenzene	0.938	1.012		7.99	20
Naphthalene	2.049	2.093		2.13	20
1,2,3-Trichlorobenzene	0.926	0.971		4.84	20
1,2-Dichloroethane-d4	0.662	0.714		7.93	20
Dibromofluoromethane	0.327	0.348		6.3	20
Toluene-d8	1.160	1.274		9.89	20
4-Bromofluorobenzene	0.394	0.440		11.76	20
1,4-Dioxane	4.651	4.687	0.05	0.78	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G4162
QUOTE NO. Q1506120
COC Number 034967

6.1

CLIENT INFORMATION
REPORT TO BE SENT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT PROJECT INFORMATION
PROJECT NAME: 121-123 Reynolds Street
PROJECT NO.: 57365-15 LOCATION: Rochester, NY
PROJECT MANAGER: Jeff Danzinger
e-mail: jdanzinger@daymail.net
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT BILLING INFORMATION
BILL TO: Day Environmental, Inc. PO#: 57365-15
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION
FAX: Std 10 DAYS *
HARD COPY: Std 10 DAYS *
EDD: Std 10 DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☐ LEVEL 1: Results only
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☒ EDD Format: NYSDEC Equis Excel
☒ Others NYSDEC ASP Category B

ANALYSIS
1 TCL + STARS/CP-51 VOCs 8260
2 Reynolds Organic VOCs 624
3 SVOCs 625
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
1.	026 - MW-1	W		X	10/23/15	1152	2	X								
2.	027 - MW-2	W		X	10/23/15	1142	2	X								
3.	028 - MW-3	W		X	10/23/15	1125	2	X								
4.	029 - MW-4	W		X	10/23/15	1113	2	X								
5.	030 - IDW2 (water)	W	X		10/23/15	0932	5		X	X						
6.																
7.																
8.																
9.																
10.																

PRESERVATIVES: A/E | A/E | E

COMMENTS
← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10-23-2015	1. FED-EX
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 10-26-15	RECEIVED FOR LAB BY:
3. Fedex	11:35	3.

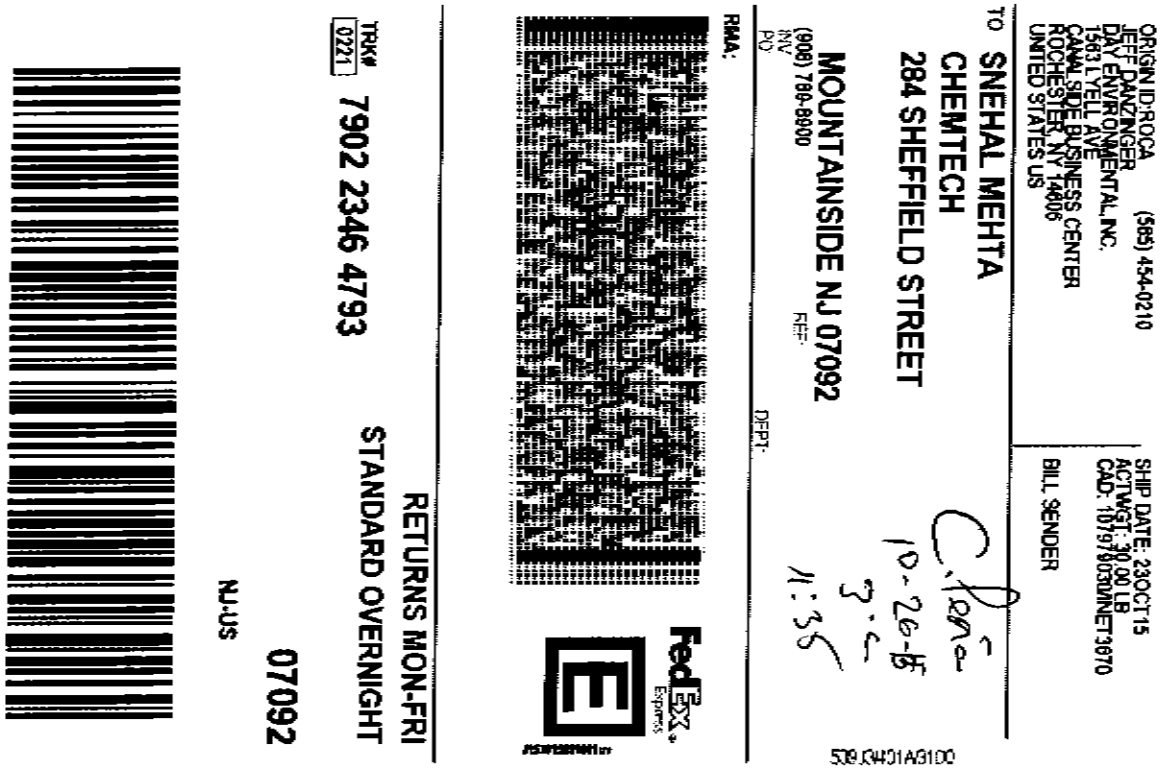
Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
Comments: MeOH extraction requires an additional 4 oz jar for percent solid.
Cooler Temp. 3°C
Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT
Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



1. Select the 'Print' button to print 1 copy of each label.
2. The Return Shipment instructions, which provide your recipient with information on the returns process, will be printed with the label(s).
3. After printing, select your next step by clicking one of the displayed buttons.

Note: To review or print individual labels, select the Label button under each label image above.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

From: Jeff Danzinger <JDanzinger@daymail.net>
Sent: Monday, October 26, 2015 12:10 PM
To: 'Snehal Mehta'
Subject: RE: 121-123 Reynolds St

Snehal,

Please provide 030-IDW2 in a separate report.

Thanks,

Jeff

From: Snehal Mehta [mailto:Snehal@chemtech.net]
Sent: Monday, October 26, 2015 12:09 PM
To: Jeff Danzinger
Subject: RE: 121-123 Reynolds St

Good Morning Jeff,

Attached is the COC of the samples received today. Let us know if you want all samples listed on attached COC as One report or '030-IDW2' sample (by 624 & 625) need separate report.

Regards,

Snehal Mehta

Tel. 908 728 3149
Fax: 908-789-8514



From: Jeff Danzinger [mailto:JDanzinger@daymail.net]
Sent: Friday, October 23, 2015 2:26 PM

To: 'Snehal Mehta'
Subject: 121-123 Reynolds St

Snehal,

Chemtech should receive the samples on the attached COC on Monday 10/26/2015.

Jeff

Jeffrey A. Danzinger
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:114
Fax: (585) 454-0825

This message may contain information that is privileged or confidential. If you are not the intended recipient or an employee or agent responsible for delivering this message to the intended recipient, you are not authorized to read, print, retain, copy or disseminate this message or any part of it. If you received this transmission in error, please notify the sender by reply e-mail and delete the message and any attachments.

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Louisiana	5035
Maryland	296
Massachusetts	M-NJ503
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other :

DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
SEMI-VOLATILE ORGANICS

PROJECT NAME : 121 AND 123 REYNOLDS ST.

DAY ENVIRONMENTAL, INC.

Canalside Business Center, 1563 Lyell Avenue

Rochester, NY - 14606

Phone No: 585-454-0210

ORDER ID : G4163

ATTENTION : Jeff Danzinger

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

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7.4) Lab Certificate 87

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Cover Page

Order ID : G4163

Project ID : 121 and 123 Reynolds St.

Client : Day Environmental, Inc.

Lab Sample Number	Client Sample Number
G4163-01	030-IDW2(WATER)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes .

APPROVED

Date: 11/10/2015

By Mildred V Reyes, QAQC Supervisor at 12:16 pm, Nov 10, 2015

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
030-IDW2(WATER)	G4163-01	624	625				

CHEMTECH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
G4163-01	Water	10/23/15	10/26/15	10/28/15	10/31/15

*** Details For Test :** SVOCMS Group2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
G4163-01	Water	10/23/15	10/26/15		10/28/15

*** Details For Test :** VOCMS Group2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
G4163-01	Water	624	5030		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
G4163-01	Water	625	NA		

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Day Environmental, Inc.
Project Name: 121 and 123 Reynolds St.
Project # N/A
Chemtech Project # G4163
Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:
1 Water sample was received on 10/26/2015.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOCMS Group2 and VOCMS Group2. This data package contains results for VOCMS Group2.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOCMS Group2 was based on method 624.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD for {VH1028WBSD01} with File ID: VH057356.D recoveries met criteria except for 1,1,1-Trichloroethane[21%], 4-Methyl-2-Pentanone[22%], Ethyl Benzene[21%], Tetrachloroethene[24%] and Toluene[24%] .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

CHEMTECH
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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__ Mildred V Reyes ____

APPROVED

By Mildred V Reyes, QAQC Supervisor at 12:16 pm, Nov 10, 2015

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Day Environmental, Inc.
Project Name: 121 and 123 Reynolds St.
Project # N/A
Chemtech Project # G4163
Test Name: SVOCMS Group2

A. Number of Samples and Date of Receipt:
1 Water sample was received on 10/26/2015.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOCMS Group2 and VOCMS Group2. This data package contains results for SVOCMS Group2.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOCMS Group2 was based on method 625 and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD for {PB86326BSD} with File ID: BF082597.D recoveries met criteria except for 2,4-Dinitrophenol[24%], 3,3-Dichlorobenzidine[23%], 4-Chloroaniline[24%] and Benzo(b)fluoranthene[22%] .
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF103015.M) for 2, 4-Dinitrophenol these compounds are passing on Linear Regression.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____ Mildred V Reyes ___

APPROVED

By Mildred V Reyes, QAQC Supervisor at 12:16 pm, Nov 10, 2015

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: G4163

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: MILDRED V REYES **Date:** 11/10/2015

2nd Level QA Review Signature: Mildred V Reyes **Date:**

APPROVED
By Mildred V Reyes, QAQC Supervisor at 12:15 pm, Nov 10, 2015

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

LAB CHRONICLE

OrderID:	G4163	**OrderDate:**	10/26/2015 12:08:00 PM
Client:	Day Environmental, Inc.	**Project:**	121 and 123 Reynolds St.
Contact:	Jeff Danzinger	**Location:**	Extraction Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G4163-01	**030-IDW2(WATER)**	**Water**			**10/23/15**			**10/26/15**
			VOCMS Group2	624			10/28/15	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: G4163

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID:	**030-IDW2(WATER)**									
G4163-01	030-IDW2(WATER)	Water	Acetone		14.10	J	1.6	12.5	25	ug/L
G4163-01	030-IDW2(WATER)	Water	Cyclohexane		7.50		0.28	2.5	5	ug/L
G4163-01	030-IDW2(WATER)	Water	Chloroform		6.50		0.19	2.5	5	ug/L
G4163-01	030-IDW2(WATER)	Water	Methylcyclohexane		13.40		0.36	2.5	5	ug/L
G4163-01	030-IDW2(WATER)	Water	m/p-Xylenes		66.10		0.35	5	10	ug/L
G4163-01	030-IDW2(WATER)	Water	o-Xylene		2.40	J	0.22	2.5	5	ug/L
G4163-01	030-IDW2(WATER)	Water	1,3,5-Trimethylbenzene		18.30		0.24	2.5	5	ug/L
			Total Voc :		128.3					
G4163-01	030-IDW2(WATER)	Water	Benzene, 1,2,4,5-tetramethyl-	*	4.40	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	Water	Cyclopentane, methyl-	*	5.40	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	Water	Indane	*	17.50	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	Water	Benzene, 1,2,3-trimethyl-	*	19.80	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	Water	Cyclohexene, 3-methyl-	*	3.80	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	Water	Benzene, 1-ethyl-2-methyl-	*	22.40	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	Water	Indan, 1-methyl-	*	6.50	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	Water	Benzene, 4-ethyl-1,2-dimethyl-	*	6.40	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	Water	Cyclohexane, 1,4-dimethyl-, tra	*	4.90	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	Water	1,2,4-Trimethylbenzene	*	38.10	J	0.23		5	ug/L
G4163-01	030-IDW2(WATER)	Water	p-Isopropyltoluene	*	12.60	J	0.29		5	ug/L
G4163-01	030-IDW2(WATER)	Water	n-Butylbenzene	*	1.40	J	0.23		5	ug/L
G4163-01	030-IDW2(WATER)	Water	Naphthalene	*	13.40	J	0.33		5	ug/L
			Total Tics :		156.6					
			Total Concentration:		284.9					

SAMPLE DATA

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	030-IDW2(WATER)	SDG No.:	G4163
Lab Sample ID:	G4163-01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057354.D	1		10/28/15 14:06	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5	U	0.29	2.5	5	ug/L
74-87-3	Chloromethane	5	U	0.33	2.5	5	ug/L
75-01-4	Vinyl Chloride	5	U	0.35	2.5	5	ug/L
74-83-9	Bromomethane	5	U	0.36	2.5	5	ug/L
75-00-3	Chloroethane	5	U	0.21	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	5	U	0.39	2.5	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	0.41	2.5	5	ug/L
75-35-4	1,1-Dichloroethene	5	U	0.39	2.5	5	ug/L
67-64-1	Acetone	14.1	J	1.6	12.5	25	ug/L
75-15-0	Carbon Disulfide	5	U	0.35	2.5	5	ug/L
1634-04-4	Methyl tert-Butyl Ether	5	U	0.41	2.5	5	ug/L
79-20-9	Methyl Acetate	5	U	0.41	2.5	5	ug/L
75-09-2	Methylene Chloride	5	U	0.67	2.5	5	ug/L
156-60-5	trans-1,2-Dichloroethene	5	U	0.39	2.5	5	ug/L
75-34-3	1,1-Dichloroethane	5	U	0.24	2.5	5	ug/L
110-82-7	Cyclohexane	7.5		0.28	2.5	5	ug/L
78-93-3	2-Butanone	25	U	1.6	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	5	U	0.57	2.5	5	ug/L
156-59-2	cis-1,2-Dichloroethene	5	U	0.53	2.5	5	ug/L
67-66-3	Chloroform	6.5		0.19	2.5	5	ug/L
71-55-6	1,1,1-Trichloroethane	5	U	0.3	2.5	5	ug/L
108-87-2	Methylcyclohexane	13.4		0.36	2.5	5	ug/L
71-43-2	Benzene	5	U	0.26	2.5	5	ug/L
107-06-2	1,2-Dichloroethane	5	U	0.18	2.5	5	ug/L
79-01-6	Trichloroethene	5	U	0.36	2.5	5	ug/L
78-87-5	1,2-Dichloropropane	5	U	0.21	2.5	5	ug/L
75-27-4	Bromodichloromethane	5	U	0.47	2.5	5	ug/L
108-10-1	4-Methyl-2-Pentanone	25	U	1.1	12.5	25	ug/L
108-88-3	Toluene	5	U	0.17	2.5	5	ug/L
10061-02-6	t-1,3-Dichloropropene	5	U	0.4	2.5	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	5	U	0.42	2.5	5	ug/L
79-00-5	1,1,2-Trichloroethane	5	U	0.57	2.5	5	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	030-IDW2(WATER)	SDG No.:	G4163
Lab Sample ID:	G4163-01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057354.D	1		10/28/15 14:06	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
591-78-6	2-Hexanone	25	U	1.3	12.5	25	ug/L
124-48-1	Dibromochloromethane	5	U	0.53	2.5	5	ug/L
106-93-4	1,2-Dibromoethane	5	U	0.32	2.5	5	ug/L
127-18-4	Tetrachloroethene	5	U	0.86	2.5	5	ug/L
108-90-7	Chlorobenzene	5	U	0.26	2.5	5	ug/L
100-41-4	Ethyl Benzene	5	U	0.26	2.5	5	ug/L
179601-23-1	m/p-Xylenes	66.1		0.35	5	10	ug/L
95-47-6	o-Xylene	2.4	J	0.22	2.5	5	ug/L
100-42-5	Styrene	5	U	0.23	2.5	5	ug/L
75-25-2	Bromoform	5	U	1	2.5	5	ug/L
98-82-8	Isopropylbenzene	5	U	0.11	2.5	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	2.5	5	ug/L
108-67-8	1,3,5-Trimethylbenzene	18.3		0.24	2.5	5	ug/L
541-73-1	1,3-Dichlorobenzene	5	U	0.37	2.5	5	ug/L
106-46-7	1,4-Dichlorobenzene	5	U	0.22	2.5	5	ug/L
95-50-1	1,2-Dichlorobenzene	5	U	0.19	2.5	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	1.9	2.5	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	5	U	0.38	2.5	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	5	U	0.45	2.5	5	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	30.3		50 - 169		101%	SPK: 30
2037-26-5	Toluene-d8	29.8		66 - 137		99%	SPK: 30
460-00-4	4-Bromofluorobenzene	31		56 - 143		103%	SPK: 30
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	83353	3.7				
540-36-3	1,4-Difluorobenzene	430359	5.57				
3114-55-4	Chlorobenzene-d5	312952	9.72				
TENTATIVE IDENTIFIED COMPOUNDS							
000096-37-7	Cyclopentane, methyl-	5.4	J			2.92	ug/L
000591-48-0	Cyclohexene, 3-methyl-	3.8	J			6.85	ug/L
002207-04-7	Cyclohexane, 1,4-dimethyl-, trans-	4.9	J			7	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	22.4	J			11.66	ug/L
95-63-6	1,2,4-Trimethylbenzene	38.1	J			12.15	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	030-IDW2(WATER)	SDG No.:	G4163
Lab Sample ID:	G4163-01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057354.D	1		10/28/15 14:06	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000526-73-8	Benzene, 1,2,3-trimethyl-	19.8	J			12.55	ug/L
000496-11-7	Indane	17.5	J			12.66	ug/L
104-51-8	n-Butylbenzene	1.4	J			12.76	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	6.4	J			13.09	ug/L
000767-58-8	Indan, 1-methyl-	6.5	J			13.16	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	4.4	J			13.47	ug/L
99-87-6	p-Isopropyltoluene	12.6	J			13.8	ug/L
91-20-3	Naphthalene	13.4	J			14.38	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

QC SUMMARY

Surrogate Summary

SDG No.: G4163

Client: Day Environmental, Inc.

Analytical Method: SW624

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
G4163-01	030-IDW2(WATER)	1,2-Dichloroethane-d4	30	30.25	101	50	169
		Toluene-d8	30	29.81	99	66	137
		4-Bromofluorobenzene	30	30.98	103	56	143
VH1028WBL01	VH1028WBL01	1,2-Dichloroethane-d4	30	29.74	99	50	169
		Toluene-d8	30	29.12	97	66	137
		4-Bromofluorobenzene	30	27.71	92	56	143
VH1028WBS01	VH1028WBS01	1,2-Dichloroethane-d4	30	28.89	96	50	169
		Toluene-d8	30	30.78	103	66	137
		4-Bromofluorobenzene	30	31.83	106	56	143
VH1028WBSD0	VH1028WBSD01	1,2-Dichloroethane-d4	30	31.27	104	50	169
		Toluene-d8	30	28.19	94	66	137
		4-Bromofluorobenzene	30	30.07	100	56	143

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4163
Client: Day Environmental, Inc.
Analytical Method: SW624 **Datafile :** VH057351.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VH1028WBS01	Dichlorodifluoromethane	20	19.6	ug/L	98			43	133	
	Chloromethane	20	18.4	ug/L	92			1	273	
	Vinyl Chloride	20	17.8	ug/L	89			1	251	
	Bromomethane	20	19.1	ug/L	96			1	242	
	Chloroethane	20	20.5	ug/L	103			14	230	
	Trichlorofluoromethane	20	19.4	ug/L	97			17	181	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99			52	142	
	1,1-Dichloroethene	20	19.7	ug/L	99			1	234	
	Acetone	100	100	ug/L	100			55	151	
	Carbon disulfide	20	18.5	ug/L	93			63	147	
	Methyl tert-butyl Ether	20	20.1	ug/L	101			73	136	
	Methyl Acetate	20	19.9	ug/L	100			57	141	
	Methylene Chloride	20	19.3	ug/L	97			1	221	
	trans-1,2-Dichloroethene	20	18.7	ug/L	94			54	156	
	1,1-Dichloroethane	20	19.3	ug/L	97			59	155	
	Cyclohexane	20	19.2	ug/L	96			62	143	
	2-Butanone	100	100	ug/L	100			60	151	
	Carbon Tetrachloride	20	21	ug/L	105			70	140	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			71	138	
	Chloroform	20	20.1	ug/L	101			51	138	
	1,1,1-Trichloroethane	20	20.8	ug/L	104			52	162	
	Methylcyclohexane	20	19.7	ug/L	99			66	129	
	Benzene	20	20.1	ug/L	101			37	151	
	1,2-Dichloroethane	20	19.7	ug/L	99			49	155	
	Trichloroethene	20	20.5	ug/L	103			71	157	
	1,2-Dichloropropane	20	19.8	ug/L	99			1	210	
	Bromodichloromethane	20	19.9	ug/L	100			35	155	
	4-Methyl-2-Pentanone	100	110	ug/L	110			61	154	
	Toluene	20	20.8	ug/L	104			47	150	
	t-1,3-Dichloropropene	20	20	ug/L	100			17	183	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			1	227	
	1,1,2-Trichloroethane	20	20	ug/L	100			52	150	
	2-Hexanone	100	93.9	ug/L	94			56	161	
	Dibromochloromethane	20	20.1	ug/L	101			53	149	
	1,2-Dibromoethane	20	19.7	ug/L	99			75	129	
	Tetrachloroethene	20	20.5	ug/L	103			64	148	
	Chlorobenzene	20	20.6	ug/L	103			37	160	
	Ethyl Benzene	20	20.2	ug/L	101			37	162	
	m/p-Xylenes	40	40.9	ug/L	102			70	130	
	o-Xylene	20	20.1	ug/L	101			70	129	
	Styrene	20	20.3	ug/L	102			73	130	
	Bromoform	20	21	ug/L	105			45	169	
	Isopropylbenzene	20	20.3	ug/L	102			72	131	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106			46	157	
	1,3,5-Trimethylbenzene	20	19.7	ug/L	99			66	139	
	1,3-Dichlorobenzene	20	19.8	ug/L	99			59	156	
	1,4-Dichlorobenzene	20	20.2	ug/L	101			18	190	
	1,2-Dichlorobenzene	20	20	ug/L	100			18	190	
	1,2-Dibromo-3-Chloropropane	20	22.4	ug/L	112			50	149	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4163
Client: Day Environmental, Inc.
Analytical Method: SW624 **Datafile :** VH057351.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VH1028WBS01	1,2,4-Trichlorobenzene	20	18.1	ug/L	91			45	153	
	1,2,3-Trichlorobenzene	20	17	ug/L	85			38	159	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4163
Client: Day Environmental, Inc.
Analytical Method: SW624 **Datafile :** VH057356.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VH1028WBSD01	Dichlorodifluoromethane	20	16.6	ug/L	83	17		43	133	20
	Chloromethane	20	15.4	ug/L	77	18		1	273	20
	Vinyl Chloride	20	15.9	ug/L	79	12		1	251	20
	Bromomethane	20	16.9	ug/L	85	12		1	242	20
	Chloroethane	20	16.8	ug/L	84	20		14	230	20
	Trichlorofluoromethane	20	16.1	ug/L	81	18		17	181	20
	1,1,2-Trichlorotrifluoroethane	20	17.1	ug/L	86	14		52	142	20
	1,1-Dichloroethene	20	16.5	ug/L	83	18		1	234	20
	Acetone	100	110	ug/L	110	10		55	151	20
	Carbon disulfide	20	15.7	ug/L	79	16		63	147	20
	Methyl tert-butyl Ether	20	17.6	ug/L	88	14		73	136	20
	Methyl Acetate	20	17.4	ug/L	87	14		57	141	20
	Methylene Chloride	20	16.8	ug/L	84	14		1	221	20
	trans-1,2-Dichloroethene	20	15.5	ug/L	78	19		54	156	20
	1,1-Dichloroethane	20	16.2	ug/L	81	18		59	155	20
	Cyclohexane	20	16.6	ug/L	83	15		62	143	20
	2-Butanone	100	93.7	ug/L	94	6		60	151	20
	Carbon Tetrachloride	20	17.3	ug/L	86	20		70	140	20
	cis-1,2-Dichloroethene	20	16.7	ug/L	84	14		71	138	20
	Chloroform	20	17.2	ug/L	86	16		51	138	20
	1,1,1-Trichloroethane	20	16.8	ug/L	84	21	*	52	162	20
	Methylcyclohexane	20	17.6	ug/L	88	12		66	129	20
	Benzene	20	16.5	ug/L	83	20		37	151	20
	1,2-Dichloroethane	20	17.2	ug/L	86	14		49	155	20
	Trichloroethene	20	18	ug/L	90	13		71	157	20
	1,2-Dichloropropane	20	16.5	ug/L	83	18		1	210	20
	Bromodichloromethane	20	17.1	ug/L	86	15		35	155	20
	4-Methyl-2-Pentanone	100	87.6	ug/L	88	22	*	61	154	20
	Toluene	20	16.4	ug/L	82	24	*	47	150	20
	t-1,3-Dichloropropene	20	17.6	ug/L	88	13		17	183	20
	cis-1,3-Dichloropropene	20	17.4	ug/L	87	13		1	227	20
	1,1,2-Trichloroethane	20	17.4	ug/L	87	14		52	150	20
	2-Hexanone	100	98	ug/L	98	4		56	161	20
	Dibromochloromethane	20	17.8	ug/L	89	13		53	149	20
	1,2-Dibromoethane	20	17.2	ug/L	86	14		75	129	20
	Tetrachloroethene	20	16.2	ug/L	81	24	*	64	148	20
	Chlorobenzene	20	16.8	ug/L	84	20		37	160	20
	Ethyl Benzene	20	16.4	ug/L	82	21	*	37	162	20
	m/p-Xylenes	40	34.4	ug/L	86	17		70	130	20
	o-Xylene	20	17.2	ug/L	86	16		70	129	20
	Styrene	20	16.7	ug/L	84	19		73	130	20
	Bromoform	20	19.3	ug/L	97	8		45	169	20
	Isopropylbenzene	20	17.5	ug/L	88	15		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.1	ug/L	91	15		46	157	20
	1,3,5-Trimethylbenzene	20	18.3	ug/L	92	7		66	139	20
	1,3-Dichlorobenzene	20	18.7	ug/L	94	5		59	156	20
	1,4-Dichlorobenzene	20	17.9	ug/L	90	12		18	190	20
	1,2-Dichlorobenzene	20	18.8	ug/L	94	6		18	190	20
	1,2-Dibromo-3-Chloropropane	20	19.8	ug/L	99	12		50	149	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4163
Client: Day Environmental, Inc.
Analytical Method: SW624 **Datafile :** VH057356.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VH1028WBSD01	1,2,4-Trichlorobenzene	20	18.4	ug/L	92	1		45	153	20
	1,2,3-Trichlorobenzene	20	15.3	ug/L	77	10		38	159	20

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VH1028WBL01

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG NO.: G4163

Lab File ID: VH057350.D Lab Sample ID: VH1028WBL01

Date Analyzed: 10/28/2015 Time Analyzed: 12:00

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_H

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VH1028WBS01	VH1028WBS01	VH057351.D	10/28/2015
030-IDW2(WATER)	G4163-01	VH057354.D	10/28/2015
VH1028WBSD01	VH1028WBSD01	VH057356.D	10/28/2015

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG NO.: G4163

Lab File ID: VH057330.D BFB Injection Date: 10/23/2015

Instrument ID: MSVOA_H BFB Injection Time: 09:48

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.7
75	30.0 - 60.0% of mass 95	44.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	77.4
175	5.0 - 9.0% of mass 174	5.5 (7.1) 1
176	95.0 - 101.0% of mass 174	74.8 (96.7) 1
177	5.0 - 9.0% of mass 176	4.7 (6.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC010	VSTDICC010	VH057332.D	10/23/2015	11:01
VSTDICCC020	VSTDICCC020	VH057333.D	10/23/2015	11:28
VSTDICC050	VSTDICC050	VH057334.D	10/23/2015	11:54
VSTDICC100	VSTDICC100	VH057335.D	10/23/2015	12:21
VSTDICC005	VSTDICC005	VH057337.D	10/23/2015	13:58

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG NO.: G4163

Lab File ID: VH057348.D BFB Injection Date: 10/28/2015

Instrument ID: MSVOA_H BFB Injection Time: 10:35

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.3
75	30.0 - 60.0% of mass 95	45
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.2 (0.2) 1
174	50.0 - 100.0% of mass 95	78.7
175	5.0 - 9.0% of mass 174	5.6 (7.1) 1
176	95.0 - 101.0% of mass 174	77.4 (98.4) 1
177	5.0 - 9.0% of mass 176	5.2 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VH057349.D	10/28/2015	11:18
VH1028WBL01	VH1028WBL01	VH057350.D	10/28/2015	12:00
VH1028WBS01	VH1028WBS01	VH057351.D	10/28/2015	12:37
030-IDW2(WATER)	G4163-01	VH057354.D	10/28/2015	14:06
VH1028WBSD01	VH1028WBSD01	VH057356.D	10/28/2015	15:57

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG NO.: G4163

Lab File ID: VH057349.D Date Analyzed: 10/28/2015

Instrument ID: MSVOA_H Time Analyzed: 11:18

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	102948	3.67	539298	5.55	397495	9.70
UPPER LIMIT	205896	4.17	1078600	6.05	794990	10.2
LOWER LIMIT	51474	3.17	269649	5.05	198748	9.2
EPA SAMPLE NO.						
030-IDW2(WATER)	83353	3.70	430359	5.57	312952	9.72
VH1028WBL01	95234	3.68	495103	5.55	341166	9.71
VH1028WBS01	92120	3.67	468399	5.55	320186	9.71
VH1028WBSD01	85373	3.69	429083	5.57	317530	9.72

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1028WBL01	SDG No.:	G4163
Lab Sample ID:	VH1028WBL01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057350.D	1		10/28/15 12:00	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5	U	0.29	2.5	5	ug/L
74-87-3	Chloromethane	5	U	0.33	2.5	5	ug/L
75-01-4	Vinyl Chloride	5	U	0.35	2.5	5	ug/L
74-83-9	Bromomethane	5	U	0.36	2.5	5	ug/L
75-00-3	Chloroethane	5	U	0.21	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	5	U	0.39	2.5	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	0.41	2.5	5	ug/L
75-35-4	1,1-Dichloroethene	5	U	0.39	2.5	5	ug/L
67-64-1	Acetone	25	U	1.6	12.5	25	ug/L
75-15-0	Carbon Disulfide	5	U	0.35	2.5	5	ug/L
1634-04-4	Methyl tert-Butyl Ether	5	U	0.41	2.5	5	ug/L
79-20-9	Methyl Acetate	5	U	0.41	2.5	5	ug/L
75-09-2	Methylene Chloride	5	U	0.67	2.5	5	ug/L
156-60-5	trans-1,2-Dichloroethene	5	U	0.39	2.5	5	ug/L
75-34-3	1,1-Dichloroethane	5	U	0.24	2.5	5	ug/L
110-82-7	Cyclohexane	5	U	0.28	2.5	5	ug/L
78-93-3	2-Butanone	25	U	1.6	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	5	U	0.57	2.5	5	ug/L
156-59-2	cis-1,2-Dichloroethene	5	U	0.53	2.5	5	ug/L
67-66-3	Chloroform	5	U	0.19	2.5	5	ug/L
71-55-6	1,1,1-Trichloroethane	5	U	0.3	2.5	5	ug/L
108-87-2	Methylcyclohexane	5	U	0.36	2.5	5	ug/L
71-43-2	Benzene	5	U	0.26	2.5	5	ug/L
107-06-2	1,2-Dichloroethane	5	U	0.18	2.5	5	ug/L
79-01-6	Trichloroethene	5	U	0.36	2.5	5	ug/L
78-87-5	1,2-Dichloropropane	5	U	0.21	2.5	5	ug/L
75-27-4	Bromodichloromethane	5	U	0.47	2.5	5	ug/L
108-10-1	4-Methyl-2-Pentanone	25	U	1.1	12.5	25	ug/L
108-88-3	Toluene	5	U	0.17	2.5	5	ug/L
10061-02-6	t-1,3-Dichloropropene	5	U	0.4	2.5	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	5	U	0.42	2.5	5	ug/L
79-00-5	1,1,2-Trichloroethane	5	U	0.57	2.5	5	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1028WBL01	SDG No.:	G4163
Lab Sample ID:	VH1028WBL01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057350.D	1		10/28/15 12:00	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
591-78-6	2-Hexanone	25	U	1.3	12.5	25	ug/L
124-48-1	Dibromochloromethane	5	U	0.53	2.5	5	ug/L
106-93-4	1,2-Dibromoethane	5	U	0.32	2.5	5	ug/L
127-18-4	Tetrachloroethene	5	U	0.86	2.5	5	ug/L
108-90-7	Chlorobenzene	5	U	0.26	2.5	5	ug/L
100-41-4	Ethyl Benzene	5	U	0.26	2.5	5	ug/L
179601-23-1	m/p-Xylenes	10	U	0.35	5	10	ug/L
95-47-6	o-Xylene	5	U	0.22	2.5	5	ug/L
100-42-5	Styrene	5	U	0.23	2.5	5	ug/L
75-25-2	Bromoform	5	U	1	2.5	5	ug/L
98-82-8	Isopropylbenzene	5	U	0.11	2.5	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	2.5	5	ug/L
108-67-8	1,3,5-Trimethylbenzene	5	U	0.24	2.5	5	ug/L
541-73-1	1,3-Dichlorobenzene	5	U	0.37	2.5	5	ug/L
106-46-7	1,4-Dichlorobenzene	5	U	0.22	2.5	5	ug/L
95-50-1	1,2-Dichlorobenzene	5	U	0.19	2.5	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	1.9	2.5	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	5	U	0.38	2.5	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	5	U	0.45	2.5	5	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	29.7		50 - 169		99%	SPK: 30
2037-26-5	Toluene-d8	29.1		66 - 137		97%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.7		56 - 143		92%	SPK: 30
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	95234	3.68				
540-36-3	1,4-Difluorobenzene	495103	5.55				
3114-55-4	Chlorobenzene-d5	341166	9.71				

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1028WBL01	SDG No.:	G4163
Lab Sample ID:	VH1028WBL01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057350.D	1		10/28/15 12:00	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1028WBS01	SDG No.:	G4163
Lab Sample ID:	VH1028WBS01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057351.D	1		10/28/15 12:37	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.6		0.29	2.5	5	ug/L
74-87-3	Chloromethane	18.4		0.33	2.5	5	ug/L
75-01-4	Vinyl Chloride	17.8		0.35	2.5	5	ug/L
74-83-9	Bromomethane	19.1		0.36	2.5	5	ug/L
75-00-3	Chloroethane	20.5		0.21	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.39	2.5	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.41	2.5	5	ug/L
75-35-4	1,1-Dichloroethene	19.7		0.39	2.5	5	ug/L
67-64-1	Acetone	100		1.6	12.5	25	ug/L
75-15-0	Carbon Disulfide	18.5		0.35	2.5	5	ug/L
1634-04-4	Methyl tert-Butyl Ether	20.1		0.41	2.5	5	ug/L
79-20-9	Methyl Acetate	19.9		0.41	2.5	5	ug/L
75-09-2	Methylene Chloride	19.3		0.67	2.5	5	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.39	2.5	5	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.24	2.5	5	ug/L
110-82-7	Cyclohexane	19.2		0.28	2.5	5	ug/L
78-93-3	2-Butanone	100		1.6	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	21		0.57	2.5	5	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.53	2.5	5	ug/L
67-66-3	Chloroform	20.1		0.19	2.5	5	ug/L
71-55-6	1,1,1-Trichloroethane	20.8		0.3	2.5	5	ug/L
108-87-2	Methylcyclohexane	19.7		0.36	2.5	5	ug/L
71-43-2	Benzene	20.1		0.26	2.5	5	ug/L
107-06-2	1,2-Dichloroethane	19.7		0.18	2.5	5	ug/L
79-01-6	Trichloroethene	20.5		0.36	2.5	5	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.21	2.5	5	ug/L
75-27-4	Bromodichloromethane	19.9		0.47	2.5	5	ug/L
108-10-1	4-Methyl-2-Pentanone	110		1.1	12.5	25	ug/L
108-88-3	Toluene	20.8		0.17	2.5	5	ug/L
10061-02-6	t-1,3-Dichloropropene	20		0.4	2.5	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.42	2.5	5	ug/L
79-00-5	1,1,2-Trichloroethane	20		0.57	2.5	5	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1028WBS01	SDG No.:	G4163
Lab Sample ID:	VH1028WBS01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057351.D	1		10/28/15 12:37	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
591-78-6	2-Hexanone	93.9		1.3	12.5	25	ug/L
124-48-1	Dibromochloromethane	20.1		0.53	2.5	5	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.32	2.5	5	ug/L
127-18-4	Tetrachloroethene	20.5		0.86	2.5	5	ug/L
108-90-7	Chlorobenzene	20.6		0.26	2.5	5	ug/L
100-41-4	Ethyl Benzene	20.2		0.26	2.5	5	ug/L
179601-23-1	m/p-Xylenes	40.9		0.35	5	10	ug/L
95-47-6	o-Xylene	20.1		0.22	2.5	5	ug/L
100-42-5	Styrene	20.3		0.23	2.5	5	ug/L
75-25-2	Bromoform	21		1	2.5	5	ug/L
98-82-8	Isopropylbenzene	20.3		0.11	2.5	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.46	2.5	5	ug/L
108-67-8	1,3,5-Trimethylbenzene	19.7		0.24	2.5	5	ug/L
541-73-1	1,3-Dichlorobenzene	19.8		0.37	2.5	5	ug/L
106-46-7	1,4-Dichlorobenzene	20.2		0.22	2.5	5	ug/L
95-50-1	1,2-Dichlorobenzene	20		0.19	2.5	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	22.4		1.9	2.5	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.1		0.38	2.5	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	17		0.45	2.5	5	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	28.9		50 - 169		96%	SPK: 30
2037-26-5	Toluene-d8	30.8		66 - 137		103%	SPK: 30
460-00-4	4-Bromofluorobenzene	31.8		56 - 143		106%	SPK: 30
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	92120	3.67				
540-36-3	1,4-Difluorobenzene	468399	5.55				
3114-55-4	Chlorobenzene-d5	320186	9.71				

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1028WBS01	SDG No.:	G4163
Lab Sample ID:	VH1028WBS01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057351.D	1		10/28/15 12:37	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1028WBSD01	SDG No.:	G4163
Lab Sample ID:	VH1028WBSD01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057356.D	1		10/28/15 15:57	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	16.6		0.29	2.5	5	ug/L
74-87-3	Chloromethane	15.4		0.33	2.5	5	ug/L
75-01-4	Vinyl Chloride	15.9		0.35	2.5	5	ug/L
74-83-9	Bromomethane	16.9		0.36	2.5	5	ug/L
75-00-3	Chloroethane	16.8		0.21	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	16.1		0.39	2.5	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.1		0.41	2.5	5	ug/L
75-35-4	1,1-Dichloroethene	16.5		0.39	2.5	5	ug/L
67-64-1	Acetone	110		1.6	12.5	25	ug/L
75-15-0	Carbon Disulfide	15.7		0.35	2.5	5	ug/L
1634-04-4	Methyl tert-Butyl Ether	17.6		0.41	2.5	5	ug/L
79-20-9	Methyl Acetate	17.4		0.41	2.5	5	ug/L
75-09-2	Methylene Chloride	16.8		0.67	2.5	5	ug/L
156-60-5	trans-1,2-Dichloroethene	15.5		0.39	2.5	5	ug/L
75-34-3	1,1-Dichloroethane	16.2		0.24	2.5	5	ug/L
110-82-7	Cyclohexane	16.6		0.28	2.5	5	ug/L
78-93-3	2-Butanone	93.7		1.6	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	17.3		0.57	2.5	5	ug/L
156-59-2	cis-1,2-Dichloroethene	16.7		0.53	2.5	5	ug/L
67-66-3	Chloroform	17.2		0.19	2.5	5	ug/L
71-55-6	1,1,1-Trichloroethane	16.8		0.3	2.5	5	ug/L
108-87-2	Methylcyclohexane	17.6		0.36	2.5	5	ug/L
71-43-2	Benzene	16.5		0.26	2.5	5	ug/L
107-06-2	1,2-Dichloroethane	17.2		0.18	2.5	5	ug/L
79-01-6	Trichloroethene	18		0.36	2.5	5	ug/L
78-87-5	1,2-Dichloropropane	16.5		0.21	2.5	5	ug/L
75-27-4	Bromodichloromethane	17.1		0.47	2.5	5	ug/L
108-10-1	4-Methyl-2-Pentanone	87.6		1.1	12.5	25	ug/L
108-88-3	Toluene	16.4		0.17	2.5	5	ug/L
10061-02-6	t-1,3-Dichloropropene	17.6		0.4	2.5	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.4		0.42	2.5	5	ug/L
79-00-5	1,1,2-Trichloroethane	17.4		0.57	2.5	5	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1028WBSD01	SDG No.:	G4163
Lab Sample ID:	VH1028WBSD01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057356.D	1		10/28/15 15:57	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
591-78-6	2-Hexanone	98		1.3	12.5	25	ug/L
124-48-1	Dibromochloromethane	17.8		0.53	2.5	5	ug/L
106-93-4	1,2-Dibromoethane	17.2		0.32	2.5	5	ug/L
127-18-4	Tetrachloroethene	16.2		0.86	2.5	5	ug/L
108-90-7	Chlorobenzene	16.8		0.26	2.5	5	ug/L
100-41-4	Ethyl Benzene	16.4		0.26	2.5	5	ug/L
179601-23-1	m/p-Xylenes	34.4		0.35	5	10	ug/L
95-47-6	o-Xylene	17.2		0.22	2.5	5	ug/L
100-42-5	Styrene	16.7		0.23	2.5	5	ug/L
75-25-2	Bromoform	19.3		1	2.5	5	ug/L
98-82-8	Isopropylbenzene	17.5		0.11	2.5	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.1		0.46	2.5	5	ug/L
108-67-8	1,3,5-Trimethylbenzene	18.3		0.24	2.5	5	ug/L
541-73-1	1,3-Dichlorobenzene	18.7		0.37	2.5	5	ug/L
106-46-7	1,4-Dichlorobenzene	17.9		0.22	2.5	5	ug/L
95-50-1	1,2-Dichlorobenzene	18.8		0.19	2.5	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.9	2.5	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.4		0.38	2.5	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.3		0.45	2.5	5	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	31.3		50 - 169		104%	SPK: 30
2037-26-5	Toluene-d8	28.2		66 - 137		94%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.1		56 - 143		100%	SPK: 30
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	85373	3.69				
540-36-3	1,4-Difluorobenzene	429083	5.57				
3114-55-4	Chlorobenzene-d5	317530	9.72				

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	VH1028WBSD01	SDG No.:	G4163
Lab Sample ID:	VH1028WBSD01	Matrix:	Water
Analytical Method:	E624	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH057356.D	1		10/28/15 15:57	VH102815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG No.: G4163

Instrument ID: MSVOA_H Calibration Date(s): 10/23/2015 10/23/2015

Heated Purge: (Y/N) N Calibration Time(s): 11:01 13:58

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF010 = VH057332.D RRF020 = VH057333.D RRF050 = VH057334.D
RRF100 = VH057335.D RRF005 = VH057337.D RRF =

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF005	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.171	1.908	2.055	1.753	1.422		1.862	15.7
Chloromethane	4.333	3.821	4.012	3.511	3.413		3.818	9.8
Vinyl Chloride	2.993	2.820	2.891	2.563	2.738		2.801	5.8
Bromomethane	1.658	1.424	1.289	0.935	1.626		1.386	21.2
Chloroethane	1.388	1.284	1.367	0.865	1.415		1.264	18.1
Trichlorofluoromethane	1.604	1.582	1.798	1.541	1.277		1.560	12
1,1,2-Trichlorotrifluoroethane	1.639	1.436	1.522	1.324	1.477		1.480	7.8
1,1-Dichloroethene	1.923	1.633	1.718	1.539	1.765		1.716	8.4
Acetone	0.346	0.308	0.332	0.288	0.331		0.321	7.2
Carbon Disulfide	5.625	4.877	5.211	4.420	5.132		5.053	8.8
Methyl tert-Butyl Ether	6.172	5.211	5.457	4.692	5.322		5.371	9.9
Methyl Acetate	11.096	9.641	10.183	8.588	10.164		9.934	9.2
Methylene Chloride	2.144	1.888	1.920	1.728	2.096		1.955	8.6
trans-1,2-Dichloroethene	2.180	1.916	1.946	1.736	2.046		1.965	8.4
1,1-Dichloroethane	0.752	0.680	0.731	0.641	0.719		0.705	6.3
Cyclohexane	0.651	0.562	0.606	0.561	0.613		0.599	6.3
2-Butanone	0.648	0.565	0.621	0.560	0.576		0.594	6.6
Carbon Tetrachloride	0.399	0.349	0.388	0.331	0.383		0.370	7.8
cis-1,2-Dichloroethene	2.600	2.262	2.440	2.323	2.361		2.397	5.4
Chloroform	3.992	3.468	3.688	3.265	3.564		3.596	7.5
1,1,1-Trichloroethane	0.471	0.446	0.502	0.434	0.426		0.456	6.7
Methylcyclohexane	0.370	0.321	0.359	0.323	0.345		0.344	6.3
Benzene	1.699	1.499	1.634	1.532	1.574		1.587	5
1,2-Dichloroethane	0.591	0.520	0.558	0.506	0.519		0.539	6.5
Trichloroethene	0.388	0.347	0.382	0.359	0.352		0.366	5.1
1,2-Dichloropropane	0.532	0.479	0.523	0.479	0.506		0.504	4.8
Bromodichloromethane	0.564	0.505	0.548	0.520	0.504		0.528	5.1
4-Methyl-2-Pentanone	1.622	1.358	1.514	1.185	1.628		1.462	12.9
Toluene	2.225	1.933	2.168	1.849	2.094		2.054	7.7
t-1,3-Dichloropropene	0.628	0.582	0.670	0.625	0.506		0.602	10.3
cis-1,3-Dichloropropene	0.743	0.664	0.767	0.682	0.624		0.696	8.4
1,1,2-Trichloroethane	0.406	0.383	0.408	0.374	0.328		0.380	8.6
2-Hexanone	1.125	0.953	1.138	0.943	1.079		1.048	8.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG No.: G4163

Instrument ID: MSVOA_H Calibration Date(s): 10/23/2015 10/23/2015

Heated Purge: (Y/N) N Calibration Time(s): 11:01 13:58

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF010 = VH057332.D RRF020 = VH057333.D RRF050 = VH057334.D
RRF100 = VH057335.D RRF005 = VH057337.D RRF =

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF005	RRF	$\overline{RRF}$	% RSD
Dibromochloromethane	0.391	0.365	0.407	0.389	0.310		0.372	10.3
1,2-Dibromoethane	0.464	0.411	0.434	0.416	0.370		0.419	8.2
Tetrachloroethene	0.335	0.296	0.336	0.302	0.340		0.322	6.6
Chlorobenzene	1.261	1.117	1.243	1.136	1.195		1.190	5.3
Ethyl Benzene	2.064	1.761	2.040	1.768	1.966		1.920	7.6
m/p-Xylenes	0.758	0.657	0.719	0.646	0.684		0.693	6.7
o-Xylene	0.720	0.622	0.716	0.649	0.635		0.668	6.9
Styrene	1.180	1.056	1.273	1.114	0.996		1.124	9.6
Bromoform	0.248	0.221	0.270	0.255	0.178		0.234	15.4
Isopropylbenzene	1.542	1.270	1.424	1.259	1.299		1.359	9
1,1,2,2-Tetrachloroethane	0.928	0.762	0.827	0.700	0.803		0.804	10.5
1,3,5-Trimethylbenzene	0.960	0.822	0.901	0.780	0.770		0.847	9.7
1,3-Dichlorobenzene	0.512	0.438	0.477	0.461	0.424		0.462	7.4
1,4-Dichlorobenzene	0.541	0.456	0.498	0.461	0.409		0.473	10.5
1,2-Dichlorobenzene	0.460	0.403	0.422	0.401	0.358		0.409	9.1
1,2-Dibromo-3-Chloropropane	0.079	0.068	0.084	0.067	0.054		0.071	16.2
1,2,4-Trichlorobenzene	0.080	0.071	0.089	0.087	0.061		0.078	15.1
1,2,3-Trichlorobenzene	0.054	0.044	0.066	0.057	0.036		0.052	22.5
1,2-Dichloroethane-d4	2.073	1.920	1.912	1.841	2.025		1.954	4.8
Toluene-d8	1.496	1.380	1.466	1.354	1.559		1.451	5.8
4-Bromofluorobenzene	0.461	0.447	0.446	0.430	0.400		0.437	5.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG No.: G4163

Instrument ID: MSVOA_H Calibration Date/Time: 10/28/2015 11:18

Lab File ID: VH057349.D Init. Calib. Date(s): 10/23/2015 10/23/2015

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:01 13:58

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.862	1.817		-2.39	
Chloromethane	3.818	3.451		-9.61	
Vinyl Chloride	2.801	2.527	0.1	-9.79	
Bromomethane	1.386	1.260	0.1	-9.1	
Chloroethane	1.264	1.198		-5.23	
Trichlorofluoromethane	1.560	1.615		3.49	
1,1,2-Trichlorotrifluoroethane	1.480	1.459		-1.38	
1,1-Dichloroethene	1.716	1.609	0.1	-6.19	
Acetone	0.321	0.335		4.55	
Carbon Disulfide	5.053	4.547		-10.01	
Methyl tert-Butyl Ether	5.371	5.300		-1.32	
Methyl Acetate	9.934	9.625		-3.12	
Methylene Chloride	1.955	1.838		-6.01	
trans-1,2-Dichloroethene	1.965	1.810		-7.89	
1,1-Dichloroethane	0.705	0.625	0.2	-11.38	
Cyclohexane	0.599	0.546		-8.7	
2-Butanone	0.594	0.607		2.19	
Carbon Tetrachloride	0.370	0.384	0.1	3.76	
cis-1,2-Dichloroethene	2.397	2.348		-2.07	
Chloroform	3.596	3.539	0.2	-1.56	
1,1,1-Trichloroethane	0.456	0.460	0.1	0.97	
Methylcyclohexane	0.344	0.342		-0.44	
Benzene	1.587	1.488	0.5	-6.27	
1,2-Dichloroethane	0.539	0.509	0.1	-5.61	
Trichloroethene	0.366	0.362	0.3	-1.01	
1,2-Dichloropropane	0.504	0.466		-7.48	
Bromodichloromethane	0.528	0.519	0.2	-1.8	
4-Methyl-2-Pentanone	1.462	1.437		-1.68	
Toluene	2.054	1.843	0.4	-10.25	
t-1,3-Dichloropropene	0.602	0.568	0.1	-5.71	
cis-1,3-Dichloropropene	0.696	0.678	0.2	-2.6	
1,1,2-Trichloroethane	0.380	0.370	0.1	-2.66	
2-Hexanone	1.048	1.052		0.43	
Dibromochloromethane	0.372	0.375	0.1	0.75	
1,2-Dibromoethane	0.419	0.403		-3.84	
Tetrachloroethene	0.322	0.303	0.2	-5.6	
Chlorobenzene	1.190	1.157	0.5	-2.84	
Ethyl Benzene	1.920	1.773	0.1	-7.66	
m/p-Xylenes	0.693	0.650	0.3	-6.22	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG No.: G4163

Instrument ID: MSVOA_H Calibration Date/Time: 10/28/2015 11:18

Lab File ID: VH057349.D Init. Calib. Date(s): 10/23/2015 10/23/2015

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:01 13:58

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
o-Xylene	0.668	0.624	0.3	-6.69	
Styrene	1.124	1.045	0.3	-7.06	
Bromoform	0.234	0.248	0.1	5.81	
Isopropylbenzene	1.359	1.312		-3.41	
1,1,2,2-Tetrachloroethane	0.804	0.804	0.3	0.03	
1,3,5-Trimethylbenzene	0.847	0.861		1.68	
1,3-Dichlorobenzene	0.462	0.466	0.2	0.84	
1,4-Dichlorobenzene	0.473	0.487	0.2	2.94	
1,2-Dichlorobenzene	0.409	0.426	0.2	4.18	
1,2-Dibromo-3-Chloropropane	0.071	0.078		10.92	
1,2,4-Trichlorobenzene	0.078	0.075	0.2	-3.48	
1,2,3-Trichlorobenzene	0.052	0.044		-14.89	
1,2-Dichloroethane-d4	1.954	1.931	0.01	-1.17	
Toluene-d8	1.451	1.373	0.01	-5.39	
4-Bromofluorobenzene	0.437	0.438	0.2	0.34	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

LAB CHRONICLE

OrderID:	G4163	**OrderDate:**	10/26/2015 12:08:00 PM
Client:	Day Environmental, Inc.	**Project:**	121 and 123 Reynolds St.
Contact:	Jeff Danzinger	**Location:**	Extraction Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
G4163-01	**030-IDW2(WATER)**	**Water**			**10/23/15**			**10/26/15**
			SVOCMS Group2	625		10/28/15	10/31/15	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: G4163

Client: Day Environmental, Inc.

Sample ID	Client ID		Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID :	**030-IDW2(WATER)**									
G4163-01	030-IDW2(WATER)	WATER	Naphthalene		4.800		0.19	1.3	2.6	ug/L
			Total Svoc :			**4.80**				
G4163-01	030-IDW2(WATER)	WATER	1H-Inden-1-ol, 2,3-dihydro-	*	10.400	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	6.100	AB	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Benzene, (1-methyl-1-propenyl)-,	*	17.000	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Benzene, 1,2,3,5-tetramethyl-	*	6.300	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Benzene, 1,2,3-trimethyl-	*	17.300	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Benzene, 1,2,4-trimethyl-	*	13.900	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Benzene, 1-ethyl-2-methyl-	*	9.200	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Benzene, 1-ethyl-3-methyl-	*	7.300	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Benzene, 1-ethyl-4-(1-methylethy	*	8.300	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Benzene, 1-ethyl-4-methyl-	*	22.600	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Benzene, 1-methyl-2-(1-methyleth	*	11.200	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Benzenesulfonamide, N-butyl-	*	6.400	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Naphthalene, 1,2,3,4-tetrahydro-	*	6.400	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Naphthalene, 1,3-dimethyl-	*	8.600	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Naphthalene, 2,7-dimethyl-	*	6.700	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	n-Hexadecanoic acid	*	7.300	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	Tetradecanoic acid	*	7.700	J	0		0	ug/L
G4163-01	030-IDW2(WATER)	WATER	unknown6.67	*	63.600	JB	0		0	ug/L
			Total Tics :			**236.30**				
			Total Concentration:			**241.10**				

SAMPLE DATA

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	030-IDW2(WATER)	SDG No.:	G4163
Lab Sample ID:	G4163-01	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082604.D	1	10/28/15 14:01	10/31/15 06:52	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	2.6	U	0.29	1.3	2.6	ug/L
108-95-2	Phenol	2.6	U	0.47	1.3	2.6	ug/L
111-44-4	bis(2-Chloroethyl)ether	2.6	U	0.36	1.3	2.6	ug/L
95-57-8	2-Chlorophenol	2.6	U	0.19	1.3	2.6	ug/L
95-48-7	2-Methylphenol	10.2	U	1.8	5.1	10.2	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.6	U	0.36	1.3	2.6	ug/L
98-86-2	Acetophenone	2.6	U	0.2	1.3	2.6	ug/L
65794-96-9	3+4-Methylphenols	2.6	U	0.59	1.3	2.6	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.6	U	0.22	1.3	2.6	ug/L
67-72-1	Hexachloroethane	2.6	U	0.26	1.3	2.6	ug/L
98-95-3	Nitrobenzene	2.6	U	0.66	1.3	2.6	ug/L
78-59-1	Isophorone	2.6	U	0.42	1.3	2.6	ug/L
88-75-5	2-Nitrophenol	10.2	U	4.5	5.1	10.2	ug/L
105-67-9	2,4-Dimethylphenol	2.6	U	0.71	1.3	2.6	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.6	U	1.1	1.3	2.6	ug/L
120-83-2	2,4-Dichlorophenol	10.2	U	3.3	5.1	10.2	ug/L
91-20-3	Naphthalene	4.8		0.19	1.3	2.6	ug/L
106-47-8	4-Chloroaniline	10.2	U	2.7	5.1	10.2	ug/L
87-68-3	Hexachlorobutadiene	2.6	U	0.17	1.3	2.6	ug/L
105-60-2	Caprolactam	10.2	U	2	5.1	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	10.2	U	1.8	5.1	10.2	ug/L
91-57-6	2-Methylnaphthalene	2.6	U	0.19	1.3	2.6	ug/L
77-47-4	Hexachlorocyclopentadiene	10.2	U	1.5	5.1	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	10.2	U	2.2	5.1	10.2	ug/L
95-95-4	2,4,5-Trichlorophenol	10.2	U	2.3	5.1	10.2	ug/L
92-52-4	1,1-Biphenyl	2.6	U	0.27	1.3	2.6	ug/L
91-58-7	2-Chloronaphthalene	2.6	U	0.15	1.3	2.6	ug/L
88-74-4	2-Nitroaniline	10.2	U	4.3	5.1	10.2	ug/L
131-11-3	Dimethylphthalate	2.6	U	0.17	1.3	2.6	ug/L
208-96-8	Acenaphthylene	2.6	U	0.16	1.3	2.6	ug/L
606-20-2	2,6-Dinitrotoluene	2.6	U	0.28	1.3	2.6	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	030-IDW2(WATER)	SDG No.:	G4163
Lab Sample ID:	G4163-01	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082604.D	1	10/28/15 14:01	10/31/15 06:52	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10.2	U	2.1	5.1	10.2	ug/L
83-32-9	Acenaphthene	2.6	U	0.17	1.3	2.6	ug/L
51-28-5	2,4-Dinitrophenol	25.5	U	1.9	12.8	25.5	ug/L
100-02-7	4-Nitrophenol	10.2	U	3.9	5.1	10.2	ug/L
132-64-9	Dibenzofuran	10.2	U	2.2	5.1	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	10.2	U	2.2	5.1	10.2	ug/L
84-66-2	Diethylphthalate	2.6	U	0.1	1.3	2.6	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.6	U	0.28	1.3	2.6	ug/L
86-73-7	Fluorene	2.6	U	0.15	1.3	2.6	ug/L
100-01-6	4-Nitroaniline	2.6	U	2.5	1.3	2.6	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.2	U	1.9	5.1	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	2.6	U	0.82	1.3	2.6	ug/L
101-55-3	4-Bromophenyl-phenylether	2.6	U	0.43	1.3	2.6	ug/L
118-74-1	Hexachlorobenzene	2.6	U	0.22	1.3	2.6	ug/L
1912-24-9	Atrazine	2.6	U	0.57	1.3	2.6	ug/L
87-86-5	Pentachlorophenol	10.2	U	2.7	5.1	10.2	ug/L
85-01-8	Phenanthrene	2.6	U	0.11	1.3	2.6	ug/L
120-12-7	Anthracene	2.6	U	0.31	1.3	2.6	ug/L
86-74-8	Carbazole	2.6	U	0.48	1.3	2.6	ug/L
84-74-2	Di-n-butylphthalate	2.6	U	0.6	1.3	2.6	ug/L
206-44-0	Fluoranthene	2.6	U	0.86	1.3	2.6	ug/L
129-00-0	Pyrene	2.6	U	0.13	1.3	2.6	ug/L
85-68-7	Butylbenzylphthalate	2.6	U	0.22	1.3	2.6	ug/L
91-94-1	3,3-Dichlorobenzidine	10.2	U	3.7	5.1	10.2	ug/L
56-55-3	Benzo(a)anthracene	2.6	U	0.12	1.3	2.6	ug/L
218-01-9	Chrysene	2.6	U	0.24	1.3	2.6	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.6	U	0.3	1.3	2.6	ug/L
117-84-0	Di-n-octyl phthalate	2.6	U	0.32	1.3	2.6	ug/L
205-99-2	Benzo(b)fluoranthene	2.6	U	0.17	1.3	2.6	ug/L
207-08-9	Benzo(k)fluoranthene	2.6	U	0.29	1.3	2.6	ug/L
50-32-8	Benzo(a)pyrene	2.6	U	0.17	1.3	2.6	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.6	U	0.67	1.3	2.6	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.6	U	0.29	1.3	2.6	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	030-IDW2(WATER)	SDG No.:	G4163
Lab Sample ID:	G4163-01	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082604.D	1	10/28/15 14:01	10/31/15 06:52	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	2.6	U	0.13	1.3	2.6	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.6	U	0.38	1.3	2.6	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	10.2	U	5.1	5.1	10.2	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	41.3		10 - 160		41%	SPK: 100
13127-88-3	Phenol-d6	27		10 - 161		27%	SPK: 100
4165-60-0	Nitrobenzene-d5	90.4		25 - 124		90%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.7		20 - 129		92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.9		10 - 140		95%	SPK: 100
1718-51-0	Terphenyl-d14	86.4		14 - 155		86%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	181220	6.9				
1146-65-2	Naphthalene-d8	741912	8.19				
15067-26-2	Acenaphthene-d10	382541	9.95				
1517-22-2	Phenanthrene-d10	679951	11.44				
1719-03-5	Chrysene-d12	508231	14.07				
1520-96-3	Perylene-d12	390153	15.53				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.1	AB			5.08	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	7.3	J			6.43	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	9.2	J			6.46	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	17.3	J			6.59	ug/L
	unknown6.67	63.6	JB			6.67	ug/L
000095-63-6	Benzene, 1,2,4-trimethyl-	13.9	J			6.73	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	22.6	J			6.97	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	11.2	J			7.23	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	6.3	J			7.71	ug/L
004218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)	8.3	J			7.85	ug/L
000768-00-3	Benzene, (1-methyl-1-propenyl)-, (	17	J			7.93	ug/L
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	6.4	J			8.03	ug/L
006351-10-6	1H-Inden-1-ol, 2,3-dihydro-	10.4	J			8.45	ug/L
000582-16-1	Naphthalene, 2,7-dimethyl-	6.7	J			9.53	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	10/23/15
Project:	121 and 123 Reynolds St.	Date Received:	10/26/15
Client Sample ID:	030-IDW2(WATER)	SDG No.:	G4163
Lab Sample ID:	G4163-01	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082604.D	1	10/28/15 14:01	10/31/15 06:52	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000575-41-7	Naphthalene, 1,3-dimethyl-	8.6	J			9.61	ug/L
003622-84-2	Benzenesulfonamide, N-butyl-	6.4	J			11.32	ug/L
000057-10-3	n-Hexadecanoic acid	7.3	J			11.97	ug/L
000544-63-8	Tetradecanoic acid	7.7	J			12.75	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

QC SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Surrogate Summary

SW-846

SDG No.: G4163

Client: Day Environmental, Inc.

Analytical Method: 625

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
G4163-01	030-IDW2(WATER)	2-Fluorophenol	100	41.26	41		10	160
		Phenol-d6	100	26.95	27		10	161
		Nitrobenzene-d5	100	90.41	90		25	124
		2-Fluorobiphenyl	100	91.67	92		20	129
		2,4,6-Tribromophenol	100	94.92	95		10	140
		Terphenyl-d14	100	86.35	86		14	155
PB86326BL	PB86326BL	2-Fluorophenol	100	81.55	82		10	160
		Phenol-d6	100	72.39	72		10	161
		Nitrobenzene-d5	100	68.05	68		25	124
		2-Fluorobiphenyl	100	81.36	81		20	129
		2,4,6-Tribromophenol	100	77.44	77		10	140
		Terphenyl-d14	100	75.43	75		14	155
PB86326BS	PB86326BS	2-Fluorophenol	100	84.20	84		10	160
		Phenol-d6	100	78.73	79		10	161
		Nitrobenzene-d5	100	81.42	81		25	124
		2-Fluorobiphenyl	100	79.81	80		20	129
		2,4,6-Tribromophenol	100	77.92	78		10	140
		Terphenyl-d14	100	72.64	73		14	155
PB86326BSD	PB86326BSD	2-Fluorophenol	100	84.67	85		10	160
		Phenol-d6	100	80.50	81		10	161
		Nitrobenzene-d5	100	81.09	81		25	124
		2-Fluorobiphenyl	100	78.74	79		20	129
		2,4,6-Tribromophenol	100	77.64	78		10	140
		Terphenyl-d14	100	76.07	76		14	155

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4163

Client: Day Environmental, Inc.

Analytical Method: 625 **DataFile:** BF082596.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB86326BS	Benzaldehyde	50	19.6	ug/L	39				10	161	
	Phenol	50	38	ug/L	76				5	112	
	bis(2-Chloroethyl)ether	50	34.6	ug/L	69				12	158	
	2-Chlorophenol	50	36.8	ug/L	74				23	134	
	2-Methylphenol	50	40.6	ug/L	81				15	153	
	2,2-oxybis(1-Chloropropane)	50	38.2	ug/L	76				36	166	
	Acetophenone	50	37.1	ug/L	74				21	128	
	3+4-Methylphenols	50	35.1	ug/L	70				10	156	
	N-Nitroso-di-n-propylamine	50	33.2	ug/L	66				1	230	
	Hexachloroethane	50	37.1	ug/L	74				40	113	
	Nitrobenzene	50	33.5	ug/L	67				35	180	
	Isophorone	50	36.8	ug/L	74				21	196	
	2-Nitrophenol	50	35.8	ug/L	72				29	182	
	2,4-Dimethylphenol	50	39.5	ug/L	79				32	119	
	bis(2-Chloroethoxy)methane	50	35.5	ug/L	71				33	184	
	2,4-Dichlorophenol	50	39.6	ug/L	79				39	135	
	Naphthalene	50	35.1	ug/L	70				21	133	
	4-Chloroaniline	50	13.6	ug/L	27				10	156	
	Hexachlorobutadiene	50	36.7	ug/L	73				24	116	
	Caprolactam	50	38.6	ug/L	77				10	160	
	4-Chloro-3-methylphenol	50	38	ug/L	76				22	147	
	2-Methylnaphthalene	50	40.7	ug/L	81				25	124	
	Hexachlorocyclopentadiene	100	82.5	ug/L	83				10	143	
	2,4,6-Trichlorophenol	50	37.5	ug/L	75				37	144	
	2,4,5-Trichlorophenol	50	34.1	ug/L	68				41	120	
	1,1-Biphenyl	50	36.1	ug/L	72				20	125	
	2-Chloronaphthalene	50	37.6	ug/L	75				60	118	
	2-Nitroaniline	50	33.5	ug/L	67				38	131	
	Dimethylphthalate	50	37.1	ug/L	74				1	112	
	Acenaphthylene	50	37.7	ug/L	75				33	145	
	2,6-Dinitrotoluene	50	42.2	ug/L	84				50	158	
	3-Nitroaniline	50	18.8	ug/L	38				24	126	
	Acenaphthene	50	40.4	ug/L	81				47	145	
	2,4-Dinitrophenol	100	64.1	ug/L	64				1	191	
	4-Nitrophenol	100	64.9	ug/L	65				1	132	
	Dibenzofuran	50	35	ug/L	70				29	125	
	2,4-Dinitrotoluene	50	38	ug/L	76				39	139	
	Diethylphthalate	50	38.5	ug/L	77				1	114	
	4-Chlorophenyl-phenylether	50	37.3	ug/L	75				25	158	
	Fluorene	50	36.4	ug/L	73				59	121	
	4-Nitroaniline	50	32.3	ug/L	65				50	137	
	4,6-Dinitro-2-methylphenol	50	40.5	ug/L	81				1	181	
	N-Nitrosodiphenylamine	50	40.7	ug/L	81				37	139	
	4-Bromophenyl-phenylether	50	36.2	ug/L	72				53	127	
	Hexachlorobenzene	50	36.6	ug/L	73				1	152	
	Atrazine	50	37.8	ug/L	76				51	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4163

Client: Day Environmental, Inc.

Analytical Method: 625 **DataFile:** BF082596.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB86326BS	Pentachlorophenol	100	79	ug/L	79				14	176	
	Phenanthrene	50	36.6	ug/L	73				54	120	
	Anthracene	50	40.4	ug/L	81				27	133	
	Carbazole	50	41.4	ug/L	83				60	125	
	Di-n-butylphthalate	50	41.9	ug/L	84				1	118	
	Fluoranthene	50	38.1	ug/L	76				26	137	
	Pyrene	50	38	ug/L	76				52	115	
	Butylbenzylphthalate	50	41.7	ug/L	83				1	152	
	3,3-Dichlorobenzidine	50	16.8	ug/L	34				1	262	
	Benzo(a)anthracene	50	36.6	ug/L	73				33	143	
	Chrysene	50	30.2	ug/L	60				17	168	
	bis(2-Ethylhexyl)phthalate	50	38.9	ug/L	78				8	158	
	Di-n-octyl phthalate	50	38	ug/L	76				4	146	
	Benzo(b)fluoranthene	50	33.3	ug/L	67				24	159	
	Benzo(k)fluoranthene	50	44.1	ug/L	88				11	162	
	Benzo(a)pyrene	50	40.2	ug/L	80				17	163	
	Indeno(1,2,3-cd)pyrene	50	38	ug/L	76				1	171	
	Dibenz(a,h)anthracene	50	40.7	ug/L	81				1	227	
	Benzo(g,h,i)perylene	50	41.1	ug/L	82				1	219	
	1,2,4,5-Tetrachlorobenzene	50	36.9	ug/L	74				70	130	
	2,3,4,6-Tetrachlorophenol	50	36.1	ug/L	72				70	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4163

Client: Day Environmental, Inc.

Analytical Method: 625 **DataFile:** BF082597.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB86326BSD	Benzaldehyde	50	20.4	ug/L	41	4			10	161	20
	Phenol	50	36.9	ug/L	74	3			5	112	20
	bis(2-Chloroethyl)ether	50	36.6	ug/L	73	6			12	158	20
	2-Chlorophenol	50	40.4	ug/L	81	9			23	134	20
	2-Methylphenol	50	41.9	ug/L	84	3			15	153	20
	2,2-oxybis(1-Chloropropane)	50	41.1	ug/L	82	7			36	166	20
	Acetophenone	50	39	ug/L	78	5			21	128	20
	3+4-Methylphenols	50	37.4	ug/L	75	6			10	156	20
	N-Nitroso-di-n-propylamine	50	36.8	ug/L	74	10			1	230	20
	Hexachloroethane	50	39.9	ug/L	80	7			40	113	20
	Nitrobenzene	50	36.9	ug/L	74	10			35	180	20
	Isophorone	50	38.3	ug/L	77	4			21	196	20
	2-Nitrophenol	50	37.8	ug/L	76	5			29	182	20
	2,4-Dimethylphenol	50	39.7	ug/L	79	1			32	119	20
	bis(2-Chloroethoxy)methane	50	37.6	ug/L	75	6			33	184	20
	2,4-Dichlorophenol	50	41	ug/L	82	3			39	135	20
	Naphthalene	50	36	ug/L	72	3			21	133	20
	4-Chloroaniline	50	17.3	ug/L	35	24		*	10	156	20
	Hexachlorobutadiene	50	38.8	ug/L	78	6			24	116	20
	Caprolactam	50	43.2	ug/L	86	11			10	160	20
	4-Chloro-3-methylphenol	50	41.9	ug/L	84	10			22	147	20
	2-Methylnaphthalene	50	42.4	ug/L	85	4			25	124	20
	Hexachlorocyclopentadiene	100	84.1	ug/L	84	2			10	143	20
	2,4,6-Trichlorophenol	50	40.1	ug/L	80	7			37	144	20
	2,4,5-Trichlorophenol	50	34.5	ug/L	69	1			41	120	20
	1,1-Biphenyl	50	38.5	ug/L	77	6			20	125	20
	2-Chloronaphthalene	50	38.7	ug/L	77	3			60	118	20
	2-Nitroaniline	50	35.2	ug/L	70	5			38	131	20
	Dimethylphthalate	50	35	ug/L	70	6			1	112	20
	Acenaphthylene	50	37.9	ug/L	76	1			33	145	20
	2,6-Dinitrotoluene	50	41.9	ug/L	84	1			50	158	20
	3-Nitroaniline	50	20.1	ug/L	40	7			24	126	20
	Acenaphthene	50	42	ug/L	84	4			47	145	20
	2,4-Dinitrophenol	100	81.8	ug/L	82	24		*	1	191	20
	4-Nitrophenol	100	79.1	ug/L	79	20			1	132	20
	Dibenzofuran	50	36	ug/L	72	3			29	125	20
	2,4-Dinitrotoluene	50	36.6	ug/L	73	4			39	139	20
	Diethylphthalate	50	39.8	ug/L	80	3			1	114	20
	4-Chlorophenyl-phenylether	50	39.3	ug/L	79	5			25	158	20
	Fluorene	50	36.7	ug/L	73	1			59	121	20
	4-Nitroaniline	50	33.1	ug/L	66	2			50	137	20
	4,6-Dinitro-2-methylphenol	50	47	ug/L	94	15			1	181	20
	N-Nitrosodiphenylamine	50	41.4	ug/L	83	2			37	139	20
	4-Bromophenyl-phenylether	50	38.5	ug/L	77	6			53	127	20
	Hexachlorobenzene	50	39	ug/L	78	6			1	152	20
	Atrazine	50	38	ug/L	76	1			51	130	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: G4163

Client: Day Environmental, Inc.

Analytical Method: 625 **DataFile:** BF082597.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB86326BSD	Pentachlorophenol	100	81.2	ug/L	81	3			14	176	20
	Phenanthrene	50	37.2	ug/L	74	2			54	120	20
	Anthracene	50	43.1	ug/L	86	6			27	133	20
	Carbazole	50	42.8	ug/L	86	3			60	125	20
	Di-n-butylphthalate	50	43	ug/L	86	3			1	118	20
	Fluoranthene	50	37.2	ug/L	74	2			26	137	20
	Pyrene	50	38.5	ug/L	77	1			52	115	20
	Butylbenzylphthalate	50	44	ug/L	88	5			1	152	20
	3,3-Dichlorobenzidine	50	21.1	ug/L	42	23		*	1	262	20
	Benzo(a)anthracene	50	38.4	ug/L	77	5			33	143	20
	Chrysene	50	36.1	ug/L	72	18			17	168	20
	bis(2-Ethylhexyl)phthalate	50	44.9	ug/L	90	14			8	158	20
	Di-n-octyl phthalate	50	40.2	ug/L	80	6			4	146	20
	Benzo(b)fluoranthene	50	41.5	ug/L	83	22		*	24	159	20
	Benzo(k)fluoranthene	50	36.4	ug/L	73	19			11	162	20
	Benzo(a)pyrene	50	41.4	ug/L	83	3			17	163	20
	Indeno(1,2,3-cd)pyrene	50	38.5	ug/L	77	1			1	171	20
	Dibenz(a,h)anthracene	50	40.6	ug/L	81	0			1	227	20
	Benzo(g,h,i)perylene	50	41.2	ug/L	82	0			1	219	20
	1,2,4,5-Tetrachlorobenzene	50	38.8	ug/L	78	5			70	130	20
	2,3,4,6-Tetrachlorophenol	50	37.7	ug/L	75	4			70	130	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB86326BL

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG NO.: G4163

Lab File ID: BF082591.D Lab Sample ID: PB86326BL

Instrument ID: BNA_F Date Extracted: 10/28/2015

Matrix: (soil/water) Water Date Analyzed: 10/31/2015

Level: (low/med) LOW Time Analyzed: 00:33

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB86326BS	PB86326BS	BF082596.D	10/31/2015
PB86326BSD	PB86326BSD	BF082597.D	10/31/2015
030-IDW2(WATER)	G4163-01	BF082604.D	10/31/2015

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM SAS No.: G4163 SDG NO.: G4163

Lab File ID: BF082578.D DFTPP Injection Date: 10/30/2015

Instrument ID: BNA_F DFTPP Injection Time: 17:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	40.2
70	Less than 2.0% of mass 69	0.4 (1) 1
127	10.0 - 80.0% of mass 198	48.1
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	11.8
442	Greater than 50% of mass 198	74.7
443	15.0 - 24.0% of mass 442	14.4 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC02.5	SSTDICC02.5	BF082579.D	10/30/2015	18:37
SSTDICC010	SSTDICC010	BF082580.D	10/30/2015	19:06
SSTDICC025	SSTDICC025	BF082581.D	10/30/2015	19:36
SSTDICCC040	SSTDICCC040	BF082582.D	10/30/2015	20:05
SSTDICC050	SSTDICC050	BF082583.D	10/30/2015	20:34
SSTDICC060	SSTDICC060	BF082584.D	10/30/2015	21:03
SSTDICC080	SSTDICC080	BF082585.D	10/30/2015	21:32
PB86326BL	PB86326BL	BF082591.D	10/31/2015	00:33
PB86326BS	PB86326BS	BF082596.D	10/31/2015	02:59
PB86326BSD	PB86326BSD	BF082597.D	10/31/2015	03:28

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM SAS No.: G4163 SDG NO.: G4163

Lab File ID: BF082601.D DFTPP Injection Date: 10/31/2015

Instrument ID: BNA_F DFTPP Injection Time: 05:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	50.6
68	Less than 2.0% of mass 69	0.7 (1.4) 1
69	Mass 69 relative abundance	46.8
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	54.4
197	Less than 2.0% of mass 198	0.9
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	24.2
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	88.8
443	15.0 - 24.0% of mass 442	17 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF082602.D	10/31/2015	05:54
030-IDW2(WATER)	G4163-01	BF082604.D	10/31/2015	06:52

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG NO.: G4163

EPA Sample No.: SSTDICCC040 Date Analyzed: 10/30/2015

Lab File ID: BF082582.D Time Analyzed: 20:05

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	200810	6.91	713987	8.19	369505	9.95
	UPPER LIMIT	401620	7.41	1427970	8.69	739010	10.45
	LOWER LIMIT	100405	6.41	356994	7.69	184753	9.45
	EPA SAMPLE NO.						
01	PB86326BL	183994	6.90	745380	8.19	383440	9.95
02	PB86326BS	192332	6.90	734536	8.19	394377	9.95
03	PB86326BSD	199024	6.90	778938	8.19	428137	9.95

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG NO.: G4163

EPA Sample No.: SSTDICCC040 Date Analyzed: 10/30/2015

Lab File ID: BF082582.D Time Analyzed: 20:05

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	734805	11.44	549971	14.08	453822	15.54
	UPPER LIMIT	1469610	11.94	1099940	14.58	907644	16.04
	LOWER LIMIT	367403	10.94	274986	13.58	226911	15.04
	EPA SAMPLE NO.						
01	PB86326BL	702296	11.42	556178	14.07	433295	15.52
02	PB86326BS	718985	11.44	577613	14.08	425778	15.52
03	PB86326BSD	786897	11.44	603358	14.08	452384	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG NO.: G4163

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/31/2015

Lab File ID: BF082602.D Time Analyzed: 05:54

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	207739	6.91	753919	8.19	395004	9.95
	UPPER LIMIT	415478	7.41	1507840	8.69	790008	10.45
	LOWER LIMIT	103870	6.41	376960	7.69	197502	9.45
	EPA SAMPLE NO.						
01	030-IDW2(WATER)	181220	6.90	741912	8.19	382541	9.95

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG NO.: G4163

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/31/2015

Lab File ID: BF082602.D Time Analyzed: 05:54

Instrument ID: BNA_F GC Column: RTX-5 ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	754985	11.44	545246	14.08	430797	15.53
	UPPER LIMIT	1509970	11.94	1090490	14.58	861594	16.03
	LOWER LIMIT	377493	10.94	272623	13.58	215399	15.03
	EPA SAMPLE NO.						
01	030-IDW2(WATER)	679951	11.44	508231	14.07	390153	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB86326BL	SDG No.:	G4163
Lab Sample ID:	PB86326BL	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082591.D	1	10/28/15 14:01	10/31/15 00:33	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	2.5	U	0.28	1.3	2.5	ug/L
108-95-2	Phenol	2.5	U	0.46	1.3	2.5	ug/L
111-44-4	bis(2-Chloroethyl)ether	2.5	U	0.35	1.3	2.5	ug/L
95-57-8	2-Chlorophenol	2.5	U	0.19	1.3	2.5	ug/L
95-48-7	2-Methylphenol	10	U	1.8	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.5	U	0.35	1.3	2.5	ug/L
98-86-2	Acetophenone	2.5	U	0.2	1.3	2.5	ug/L
65794-96-9	3+4-Methylphenols	2.5	U	0.58	1.3	2.5	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.5	U	0.22	1.3	2.5	ug/L
67-72-1	Hexachloroethane	2.5	U	0.25	1.3	2.5	ug/L
98-95-3	Nitrobenzene	2.5	U	0.65	1.3	2.5	ug/L
78-59-1	Isophorone	2.5	U	0.41	1.3	2.5	ug/L
88-75-5	2-Nitrophenol	10	U	4.4	5	10	ug/L
105-67-9	2,4-Dimethylphenol	2.5	U	0.7	1.3	2.5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.5	U	1.1	1.3	2.5	ug/L
120-83-2	2,4-Dichlorophenol	10	U	3.2	5	10	ug/L
91-20-3	Naphthalene	2.5	U	0.19	1.3	2.5	ug/L
106-47-8	4-Chloroaniline	10	U	2.6	5	10	ug/L
87-68-3	Hexachlorobutadiene	2.5	U	0.17	1.3	2.5	ug/L
105-60-2	Caprolactam	10	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	1.7	5	10	ug/L
91-57-6	2-Methylnaphthalene	2.5	U	0.19	1.3	2.5	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	1.5	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	2.1	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	2.3	5	10	ug/L
92-52-4	1,1-Biphenyl	2.5	U	0.26	1.3	2.5	ug/L
91-58-7	2-Chloronaphthalene	2.5	U	0.15	1.3	2.5	ug/L
88-74-4	2-Nitroaniline	10	U	4.2	5	10	ug/L
131-11-3	Dimethylphthalate	2.5	U	0.17	1.3	2.5	ug/L
208-96-8	Acenaphthylene	2.5	U	0.16	1.3	2.5	ug/L
606-20-2	2,6-Dinitrotoluene	2.5	U	0.27	1.3	2.5	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB86326BL	SDG No.:	G4163
Lab Sample ID:	PB86326BL	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082591.D	1	10/28/15 14:01	10/31/15 00:33	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	2	5	10	ug/L
83-32-9	Acenaphthene	2.5	U	0.17	1.3	2.5	ug/L
51-28-5	2,4-Dinitrophenol	25	U	1.9	12.5	25	ug/L
100-02-7	4-Nitrophenol	10	U	3.9	5	10	ug/L
132-64-9	Dibenzofuran	10	U	2.1	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	2.1	5	10	ug/L
84-66-2	Diethylphthalate	2.5	U	0.1	1.3	2.5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.5	U	0.27	1.3	2.5	ug/L
86-73-7	Fluorene	2.5	U	0.15	1.3	2.5	ug/L
100-01-6	4-Nitroaniline	2.5	U	2.5	1.3	2.5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	1.9	5	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2.5	U	0.8	1.3	2.5	ug/L
101-55-3	4-Bromophenyl-phenylether	2.5	U	0.42	1.3	2.5	ug/L
118-74-1	Hexachlorobenzene	2.5	U	0.22	1.3	2.5	ug/L
1912-24-9	Atrazine	2.5	U	0.56	1.3	2.5	ug/L
87-86-5	Pentachlorophenol	10	U	2.7	5	10	ug/L
85-01-8	Phenanthrene	2.5	U	0.11	1.3	2.5	ug/L
120-12-7	Anthracene	2.5	U	0.3	1.3	2.5	ug/L
86-74-8	Carbazole	2.5	U	0.47	1.3	2.5	ug/L
84-74-2	Di-n-butylphthalate	2.5	U	0.59	1.3	2.5	ug/L
206-44-0	Fluoranthene	2.5	U	0.84	1.3	2.5	ug/L
129-00-0	Pyrene	2.5	U	0.13	1.3	2.5	ug/L
85-68-7	Butylbenzylphthalate	2.5	U	0.22	1.3	2.5	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	3.6	5	10	ug/L
56-55-3	Benzo(a)anthracene	2.5	U	0.12	1.3	2.5	ug/L
218-01-9	Chrysene	2.5	U	0.24	1.3	2.5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.5	U	0.29	1.3	2.5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	0.31	1.3	2.5	ug/L
205-99-2	Benzo(b)fluoranthene	2.5	U	0.17	1.3	2.5	ug/L
207-08-9	Benzo(k)fluoranthene	2.5	U	0.28	1.3	2.5	ug/L
50-32-8	Benzo(a)pyrene	2.5	U	0.17	1.3	2.5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.5	U	0.66	1.3	2.5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.5	U	0.28	1.3	2.5	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.			Date Collected:	
Project:	121 and 123 Reynolds St.			Date Received:	
Client Sample ID:	PB86326BL			SDG No.:	G4163
Lab Sample ID:	PB86326BL			Matrix:	Water
Analytical Method:	625			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group2
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082591.D	1	10/28/15 14:01	10/31/15 00:33	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	2.5	U	0.13	1.3	2.5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.5	U	0.37	1.3	2.5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	5	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	81.6		10 - 160		82%	SPK: 100
13127-88-3	Phenol-d6	72.4		10 - 161		72%	SPK: 100
4165-60-0	Nitrobenzene-d5	68.1		25 - 124		68%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.4		20 - 129		81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.4		10 - 140		77%	SPK: 100
1718-51-0	Terphenyl-d14	75.4		14 - 155		75%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	183994	6.9				
1146-65-2	Naphthalene-d8	745380	8.19				
15067-26-2	Acenaphthene-d10	383440	9.95				
1517-22-2	Phenanthrene-d10	702296	11.42				
1719-03-5	Chrysene-d12	556178	14.07				
1520-96-3	Perylene-d12	433295	15.52				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	11	J			2.14	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	12.7	A			5.09	ug/L
	unknown6.67	67.2	J			6.67	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB86326BS	SDG No.:	G4163
Lab Sample ID:	PB86326BS	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082596.D	1	10/28/15 14:01	10/31/15 02:59	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	19.6		0.28	1.3	2.5	ug/L
108-95-2	Phenol	38		0.46	1.3	2.5	ug/L
111-44-4	bis(2-Chloroethyl)ether	34.6		0.35	1.3	2.5	ug/L
95-57-8	2-Chlorophenol	36.8		0.19	1.3	2.5	ug/L
95-48-7	2-Methylphenol	40.6		1.8	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38.2		0.35	1.3	2.5	ug/L
98-86-2	Acetophenone	37.1		0.2	1.3	2.5	ug/L
65794-96-9	3+4-Methylphenols	35.1		0.58	1.3	2.5	ug/L
621-64-7	n-Nitroso-di-n-propylamine	33.2		0.22	1.3	2.5	ug/L
67-72-1	Hexachloroethane	37.1		0.25	1.3	2.5	ug/L
98-95-3	Nitrobenzene	33.5		0.65	1.3	2.5	ug/L
78-59-1	Isophorone	36.8		0.41	1.3	2.5	ug/L
88-75-5	2-Nitrophenol	35.8		4.4	5	10	ug/L
105-67-9	2,4-Dimethylphenol	39.5		0.7	1.3	2.5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	35.5		1.1	1.3	2.5	ug/L
120-83-2	2,4-Dichlorophenol	39.6		3.2	5	10	ug/L
91-20-3	Naphthalene	35.1		0.19	1.3	2.5	ug/L
106-47-8	4-Chloroaniline	13.6		2.6	5	10	ug/L
87-68-3	Hexachlorobutadiene	36.7		0.17	1.3	2.5	ug/L
105-60-2	Caprolactam	38.6		2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	38		1.7	5	10	ug/L
91-57-6	2-Methylnaphthalene	40.7		0.19	1.3	2.5	ug/L
77-47-4	Hexachlorocyclopentadiene	82.5	E	1.5	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	37.5		2.1	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	34.1		2.3	5	10	ug/L
92-52-4	1,1-Biphenyl	36.1		0.26	1.3	2.5	ug/L
91-58-7	2-Chloronaphthalene	37.6		0.15	1.3	2.5	ug/L
88-74-4	2-Nitroaniline	33.5		4.2	5	10	ug/L
131-11-3	Dimethylphthalate	37.1		0.17	1.3	2.5	ug/L
208-96-8	Acenaphthylene	37.7		0.16	1.3	2.5	ug/L
606-20-2	2,6-Dinitrotoluene	42.2		0.27	1.3	2.5	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB86326BS	SDG No.:	G4163
Lab Sample ID:	PB86326BS	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082596.D	1	10/28/15 14:01	10/31/15 02:59	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	18.8		2	5	10	ug/L
83-32-9	Acenaphthene	40.4		0.17	1.3	2.5	ug/L
51-28-5	2,4-Dinitrophenol	64.1		1.9	12.5	25	ug/L
100-02-7	4-Nitrophenol	64.9		3.9	5	10	ug/L
132-64-9	Dibenzofuran	35		2.1	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	38		2.1	5	10	ug/L
84-66-2	Diethylphthalate	38.5		0.1	1.3	2.5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37.3		0.27	1.3	2.5	ug/L
86-73-7	Fluorene	36.4		0.15	1.3	2.5	ug/L
100-01-6	4-Nitroaniline	32.3		2.5	1.3	2.5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40.5		1.9	5	10	ug/L
86-30-6	n-Nitrosodiphenylamine	40.7		0.8	1.3	2.5	ug/L
101-55-3	4-Bromophenyl-phenylether	36.2		0.42	1.3	2.5	ug/L
118-74-1	Hexachlorobenzene	36.6		0.22	1.3	2.5	ug/L
1912-24-9	Atrazine	37.8		0.56	1.3	2.5	ug/L
87-86-5	Pentachlorophenol	79		2.7	5	10	ug/L
85-01-8	Phenanthrene	36.6		0.11	1.3	2.5	ug/L
120-12-7	Anthracene	40.4		0.3	1.3	2.5	ug/L
86-74-8	Carbazole	41.4		0.47	1.3	2.5	ug/L
84-74-2	Di-n-butylphthalate	41.9		0.59	1.3	2.5	ug/L
206-44-0	Fluoranthene	38.1		0.84	1.3	2.5	ug/L
129-00-0	Pyrene	38		0.13	1.3	2.5	ug/L
85-68-7	Butylbenzylphthalate	41.7		0.22	1.3	2.5	ug/L
91-94-1	3,3-Dichlorobenzidine	16.8		3.6	5	10	ug/L
56-55-3	Benzo(a)anthracene	36.6		0.12	1.3	2.5	ug/L
218-01-9	Chrysene	30.2		0.24	1.3	2.5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	38.9		0.29	1.3	2.5	ug/L
117-84-0	Di-n-octyl phthalate	38		0.31	1.3	2.5	ug/L
205-99-2	Benzo(b)fluoranthene	33.3		0.17	1.3	2.5	ug/L
207-08-9	Benzo(k)fluoranthene	44.1		0.28	1.3	2.5	ug/L
50-32-8	Benzo(a)pyrene	40.2		0.17	1.3	2.5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	38		0.66	1.3	2.5	ug/L
53-70-3	Dibenzo(a,h)anthracene	40.7		0.28	1.3	2.5	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB86326BS	SDG No.:	G4163
Lab Sample ID:	PB86326BS	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082596.D	1	10/28/15 14:01	10/31/15 02:59	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	41.1		0.13	1.3	2.5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	36.9		0.37	1.3	2.5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	36.1		5	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	84.2		10 - 160		84%	SPK: 100
13127-88-3	Phenol-d6	78.7		10 - 161		79%	SPK: 100
4165-60-0	Nitrobenzene-d5	81.4		25 - 124		81%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.8		20 - 129		80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.9		10 - 140		78%	SPK: 100
1718-51-0	Terphenyl-d14	72.6		14 - 155		73%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	192332	6.9				
1146-65-2	Naphthalene-d8	734536	8.19				
15067-26-2	Acenaphthene-d10	394377	9.95				
1517-22-2	Phenanthrene-d10	718985	11.44				
1719-03-5	Chrysene-d12	577613	14.08				
1520-96-3	Perylene-d12	425778	15.52				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB86326BSD	SDG No.:	G4163
Lab Sample ID:	PB86326BSD	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082597.D	1	10/28/15 14:01	10/31/15 03:28	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	20.4		0.28	1.3	2.5	ug/L
108-95-2	Phenol	36.9		0.46	1.3	2.5	ug/L
111-44-4	bis(2-Chloroethyl)ether	36.6		0.35	1.3	2.5	ug/L
95-57-8	2-Chlorophenol	40.4		0.19	1.3	2.5	ug/L
95-48-7	2-Methylphenol	41.9		1.8	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.1		0.35	1.3	2.5	ug/L
98-86-2	Acetophenone	39		0.2	1.3	2.5	ug/L
65794-96-9	3+4-Methylphenols	37.4		0.58	1.3	2.5	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36.8		0.22	1.3	2.5	ug/L
67-72-1	Hexachloroethane	39.9		0.25	1.3	2.5	ug/L
98-95-3	Nitrobenzene	36.9		0.65	1.3	2.5	ug/L
78-59-1	Isophorone	38.3		0.41	1.3	2.5	ug/L
88-75-5	2-Nitrophenol	37.8		4.4	5	10	ug/L
105-67-9	2,4-Dimethylphenol	39.7		0.7	1.3	2.5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.6		1.1	1.3	2.5	ug/L
120-83-2	2,4-Dichlorophenol	41		3.2	5	10	ug/L
91-20-3	Naphthalene	36		0.19	1.3	2.5	ug/L
106-47-8	4-Chloroaniline	17.3		2.6	5	10	ug/L
87-68-3	Hexachlorobutadiene	38.8		0.17	1.3	2.5	ug/L
105-60-2	Caprolactam	43.2		2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	41.9		1.7	5	10	ug/L
91-57-6	2-Methylnaphthalene	42.4		0.19	1.3	2.5	ug/L
77-47-4	Hexachlorocyclopentadiene	84.1	E	1.5	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	40.1		2.1	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	34.5		2.3	5	10	ug/L
92-52-4	1,1-Biphenyl	38.5		0.26	1.3	2.5	ug/L
91-58-7	2-Chloronaphthalene	38.7		0.15	1.3	2.5	ug/L
88-74-4	2-Nitroaniline	35.2		4.2	5	10	ug/L
131-11-3	Dimethylphthalate	35		0.17	1.3	2.5	ug/L
208-96-8	Acenaphthylene	37.9		0.16	1.3	2.5	ug/L
606-20-2	2,6-Dinitrotoluene	41.9		0.27	1.3	2.5	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB86326BSD	SDG No.:	G4163
Lab Sample ID:	PB86326BSD	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082597.D	1	10/28/15 14:01	10/31/15 03:28	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	20.1		2	5	10	ug/L
83-32-9	Acenaphthene	42		0.17	1.3	2.5	ug/L
51-28-5	2,4-Dinitrophenol	81.8	E	1.9	12.5	25	ug/L
100-02-7	4-Nitrophenol	79.1		3.9	5	10	ug/L
132-64-9	Dibenzofuran	36		2.1	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	36.6		2.1	5	10	ug/L
84-66-2	Diethylphthalate	39.8		0.1	1.3	2.5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39.3		0.27	1.3	2.5	ug/L
86-73-7	Fluorene	36.7		0.15	1.3	2.5	ug/L
100-01-6	4-Nitroaniline	33.1		2.5	1.3	2.5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47		1.9	5	10	ug/L
86-30-6	n-Nitrosodiphenylamine	41.4		0.8	1.3	2.5	ug/L
101-55-3	4-Bromophenyl-phenylether	38.5		0.42	1.3	2.5	ug/L
118-74-1	Hexachlorobenzene	39		0.22	1.3	2.5	ug/L
1912-24-9	Atrazine	38		0.56	1.3	2.5	ug/L
87-86-5	Pentachlorophenol	81.2	E	2.7	5	10	ug/L
85-01-8	Phenanthrene	37.2		0.11	1.3	2.5	ug/L
120-12-7	Anthracene	43.1		0.3	1.3	2.5	ug/L
86-74-8	Carbazole	42.8		0.47	1.3	2.5	ug/L
84-74-2	Di-n-butylphthalate	43		0.59	1.3	2.5	ug/L
206-44-0	Fluoranthene	37.2		0.84	1.3	2.5	ug/L
129-00-0	Pyrene	38.5		0.13	1.3	2.5	ug/L
85-68-7	Butylbenzylphthalate	44		0.22	1.3	2.5	ug/L
91-94-1	3,3-Dichlorobenzidine	21.1		3.6	5	10	ug/L
56-55-3	Benzo(a)anthracene	38.4		0.12	1.3	2.5	ug/L
218-01-9	Chrysene	36.1		0.24	1.3	2.5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.9		0.29	1.3	2.5	ug/L
117-84-0	Di-n-octyl phthalate	40.2		0.31	1.3	2.5	ug/L
205-99-2	Benzo(b)fluoranthene	41.5		0.17	1.3	2.5	ug/L
207-08-9	Benzo(k)fluoranthene	36.4		0.28	1.3	2.5	ug/L
50-32-8	Benzo(a)pyrene	41.4		0.17	1.3	2.5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	38.5		0.66	1.3	2.5	ug/L
53-70-3	Dibenzo(a,h)anthracene	40.6		0.28	1.3	2.5	ug/L

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	121 and 123 Reynolds St.	Date Received:	
Client Sample ID:	PB86326BSD	SDG No.:	G4163
Lab Sample ID:	PB86326BSD	Matrix:	Water
Analytical Method:	625	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF082597.D	1	10/28/15 14:01	10/31/15 03:28	PB86326

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	41.2		0.13	1.3	2.5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38.8		0.37	1.3	2.5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	37.7		5	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	84.7		10 - 160		85%	SPK: 100
13127-88-3	Phenol-d6	80.5		10 - 161		81%	SPK: 100
4165-60-0	Nitrobenzene-d5	81.1		25 - 124		81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		20 - 129		79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.6		10 - 140		78%	SPK: 100
1718-51-0	Terphenyl-d14	76.1		14 - 155		76%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	199024	6.9				
1146-65-2	Naphthalene-d8	778938	8.19				
15067-26-2	Acenaphthene-d10	428137	9.95				
1517-22-2	Phenanthrene-d10	786897	11.44				
1719-03-5	Chrysene-d12	603358	14.08				
1520-96-3	Perylene-d12	452384	15.53				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG No.: G4163

Instrument ID: BNA_F Calibration Date(s): 10/30/2015 10/30/2015

Calibration Time(s): 18:37 21:32

LAB FILE ID: RRF2.5 = BF082579.D RRF010 = BF082580.D RRF025 = BF082581.D
RRF040 = BF082582.D RRF050 = BF082583.D RRF060 = BF082584.D

COMPOUND	RRF2.5	RRF010	RRF025	RRF040	RRF050	RRF060	RRF	% RSD
2-Fluorophenol	1.576	1.327	1.354	1.376	1.262	1.206	1.328	9.8
Benzaldehyde	1.526	1.298	1.187	1.109	1.098	1.142	1.204	13.3
Phenol-d6	1.949	1.887	1.821	1.663	1.668	1.717	1.764	6.9
Phenol	2.124	2.227	1.981	1.971	1.801	2.163	1.999	9.3
bis(2-Chloroethyl)ether	1.654	1.409	1.674	1.279	1.510	1.502	1.475	10.7
2-Chlorophenol	1.650	1.473	1.473	1.376	1.445	1.393	1.437	8.5
2-Methylphenol	1.406	1.201	1.245	1.228	1.140	1.118	1.222	7.7
2,2-oxybis(1-Chloropropane)	2.602	2.251	2.428	2.264	2.322	2.316	2.344	5.6
Acetophenone	0.616	0.596	0.598	0.642	0.572	0.522	0.589	6.4
3+4-Methylphenols	1.857	1.540	1.687	1.437	1.587	1.409	1.588	9.6
n-Nitroso-di-n-propylamine	1.597	1.284	1.524	1.243	1.261	1.186	1.337	11.7
Nitrobenzene-d5	0.527	0.447	0.550	0.497	0.466	0.496	0.490	8.1
Hexachloroethane	0.694	0.657	0.692	0.625	0.597	0.596	0.634	7.5
Nitrobenzene	0.462	0.513	0.493	0.535	0.512	0.429	0.495	7.5
Isophorone	1.013	0.851	0.980	0.897	0.864	0.862	0.901	7.5
2-Nitrophenol	0.163	0.166	0.178	0.180	0.192	0.203	0.181	7.8
2,4-Dimethylphenol	0.369	0.337	0.400	0.366	0.320	0.321	0.353	8.2
bis(2-Chloroethoxy)methane	0.582	0.502	0.483	0.491	0.521	0.471	0.493	11.1
2,4-Dichlorophenol	0.358	0.320	0.332	0.324	0.326	0.308	0.322	7.1
Naphthalene	1.270	1.105	1.120	1.006	1.020	1.042	1.082	8.7
4-Chloroaniline	0.492	0.482	0.522	0.425	0.414	0.438	0.462	8.5
Hexachlorobutadiene	0.236	0.215	0.242	0.226	0.218	0.224	0.227	4.1
Caprolactam	0.109	0.093	0.112	0.097	0.092	0.099	0.099	9.0
4-Chloro-3-methylphenol	0.382	0.340	0.434	0.355	0.409	0.387	0.379	9.2
2-Methylnaphthalene	0.773	0.703	0.798	0.756	0.662	0.618	0.701	11.1
Hexachlorocyclopentadiene	0.371	0.401	0.459	0.437	0.420	0.409	0.420	7.0
2,4,6-Trichlorophenol	0.433	0.448	0.513	0.534	0.482	0.467	0.482	7.4
2-Fluorobiphenyl	1.519	1.375	1.631	1.415	1.232	1.228	1.409	10.4
2,4,5-Trichlorophenol	0.435	0.462	0.536	0.445	0.488	0.496	0.480	7.3
1,1-Biphenyl	1.862	1.517	1.680	1.856	1.825	1.618	1.689	9.7
2-Chloronaphthalene	1.433	1.225	1.311	1.407	1.384	1.277	1.319	7.0
2-Nitroaniline	0.411	0.480	0.510	0.495	0.581	0.590	0.513	12.0
Dimethylphthalate	1.932	1.454	1.772	1.531	1.652	1.728	1.633	12.0
Acenaphthylene	2.201	2.028	2.360	2.135	1.960	1.919	2.110	7.3
2,6-Dinitrotoluene	0.330	0.301	0.346	0.379	0.315	0.305	0.339	10.9
3-Nitroaniline	0.313	0.323	0.396	0.390	0.428	0.368	0.377	11.8

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG No.: G4163

Instrument ID: BNA_F Calibration Date(s): 10/30/2015 10/30/2015

Calibration Time(s): 18:37 21:32

LAB FILE ID: RRF2.5 = BF082579.D RRF010 = BF082580.D RRF025 = BF082581.D
RRF040 = BF082582.D RRF050 = BF082583.D RRF060 = BF082584.D

COMPOUND	RRF2.5	RRF010	RRF025	RRF040	RRF050	RRF060	RRF	% RSD
Acenaphthene	1.312	1.251	1.429	1.292	1.292	1.345	1.339	5.7
2,4-Dinitrophenol		0.078	0.155	0.150	0.163	0.183	0.152	25.3
4-Nitrophenol	0.259	0.235	0.285	0.344	0.288	0.264	0.283	12.6
Dibenzofuran	1.898	1.770	1.980	1.696	1.759	1.691	1.818	6.4
2,4-Dinitrotoluene	0.418	0.419	0.462	0.510	0.439	0.467	0.458	7.6
Diethylphthalate	1.619	1.662	1.694	1.722	1.727	1.661	1.663	3.7
4-Chlorophenyl-phenylether	0.702	0.633	0.717	0.758	0.759	0.749	0.713	6.7
Fluorene	1.537	1.404	1.600	1.404	1.371	1.358	1.466	7.2
4-Nitroaniline	0.321	0.339	0.358	0.361	0.408	0.349	0.359	7.7
4,6-Dinitro-2-methylphenol		0.081	0.114	0.140	0.125	0.117	0.121	19.1
n-Nitrosodiphenylamine	0.770	0.655	0.709	0.715	0.626	0.611	0.688	8.5
2,4,6-Tribromophenol	0.200	0.196	0.245	0.212	0.218	0.216	0.219	9.0
4-Bromophenyl-phenylether	0.229	0.208	0.221	0.217	0.238	0.237	0.227	5.2
Hexachlorobenzene	0.262	0.240	0.244	0.230	0.257	0.258	0.251	5.4
Atrazine	0.231	0.196	0.266	0.206	0.220	0.238	0.225	10.2
Pentachlorophenol	0.133	0.138	0.172	0.185	0.182	0.182	0.166	13.0
Phenanthrene	1.247	1.117	1.205	1.042	1.052	1.050	1.128	7.4
Anthracene	1.291	1.067	1.142	1.229	1.134	1.093	1.136	8.7
Carbazole	1.067	0.936	1.098	1.073	0.916	0.882	0.989	8.8
Di-n-butylphthalate	1.316	1.275	1.460	1.328	1.186	1.152	1.259	9.8
Fluoranthene	1.229	1.130	1.244	1.100	1.113	1.037	1.153	6.8
Pyrene	1.538	1.402	1.640	1.514	1.358	1.438	1.481	6.3
Terphenyl-d14	0.961	0.889	0.954	0.871	0.903	0.941	0.914	4.1
Butylbenzylphthalate	0.622	0.596	0.713	0.719	0.617	0.664	0.649	7.8
3,3-Dichlorobenzidine	0.419	0.404	0.468	0.447	0.442	0.428	0.438	5.1
Benzo(a)anthracene	1.311	1.223	1.344	1.327	1.230	1.279	1.270	4.8
Chrysene	1.277	1.041	1.113	1.377	1.053	1.132	1.152	11.1
Bis(2-ethylhexyl)phthalate	0.795	0.739	0.873	0.958	0.841	0.877	0.841	8.4
Di-n-octyl phthalate	1.177	1.144	1.323	1.489	1.321	1.399	1.312	9.1
Benzo(b)fluoranthene	1.495	1.389	1.551	1.270	1.461	1.232	1.379	9.3
Benzo(k)fluoranthene	0.942	0.938	0.984	1.199	0.907	1.195	1.051	13.0
Benzo(a)pyrene	1.082	0.993	1.159	1.104	1.068	1.077	1.086	4.7
Indeno(1,2,3-cd)pyrene	0.894	0.841	1.008	0.999	0.909	1.036	0.950	7.5
Dibenzo(a,h)anthracene	0.933	0.954	1.107	1.007	0.985	1.065	1.013	6.1
Benzo(g,h,i)perylene	0.929	0.915	1.080	0.963	0.942	1.032	0.982	6.2
1,2,4,5-Tetrachlorobenzene	0.672	0.602	0.660	0.694	0.730	0.706	0.667	7.2

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG No.: G4163

Instrument ID: BNA_F Calibration Date(s): 10/30/2015 10/30/2015

Calibration Time(s): 18:37 21:32

LAB FILE ID: RRF2.5 = BF082579.D RRF010 = BF082580.D RRF025 = BF082581.D
RRF040 = BF082582.D RRF050 = BF082583.D RRF060 = BF082584.D

COMPOUND	RRF2.5	RRF010	RRF025	RRF040	RRF050	RRF060	RRF	% RSD
2,3,4,6-Tetrachlorophenol	0.401	0.393	0.433	0.388	0.396	0.392	0.406	5.1

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG No.: G4163

Instrument ID: BNA_F Calibration Date/Time: 10/31/2015 05:54

Lab File ID: BF082602.D Init. Calib. Date(s): 10/30/2015 10/30/2015

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 18:37 21:32

GC Column: RTX-5 ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.328	1.356	0.010	2.1	20.0
Benzaldehyde	1.204	1.088	0.010	-9.6	20.0
Phenol-d6	1.764	1.622	0.010	-8.1	20.0
Phenol	1.999	1.838	0.010	-8.1	20.0
bis(2-Chloroethyl)ether	1.475	1.302	0.010	-11.7	20.0
2-Chlorophenol	1.437	1.379	0.010	-4.0	20.0
2-Methylphenol	1.222	1.204	0.010	-1.5	20.0
2,2-oxybis(1-Chloropropane)	2.344	2.252	0.010	-3.9	20.0
Acetophenone	0.589	0.620	0.010	5.3	20.0
3+4-Methylphenols	1.588	1.495	0.010	-5.9	20.0
n-Nitroso-di-n-propylamine	1.337	1.302	0.010	-2.6	20.0
Nitrobenzene-d5	0.490	0.472	0.010	-3.7	20.0
Hexachloroethane	0.634	0.631	0.010	-0.5	20.0
Nitrobenzene	0.495	0.548	0.010	10.7	20.0
Isophorone	0.901	0.880	0.010	-2.3	20.0
2-Nitrophenol	0.181	0.181	0.010	0.0	20.0
2,4-Dimethylphenol	0.353	0.344	0.010	-2.5	20.0
bis(2-Chloroethoxy)methane	0.493	0.497	0.010	0.8	20.0
2,4-Dichlorophenol	0.322	0.338	0.010	5.0	20.0
Naphthalene	1.082	0.997	0.010	-7.9	20.0
4-Chloroaniline	0.462	0.415	0.010	-10.2	20.0
Hexachlorobutadiene	0.227	0.224	0.010	-1.3	20.0
Caprolactam	0.099	0.101	0.010	2.0	20.0
4-Chloro-3-methylphenol	0.379	0.362	0.010	-4.5	20.0
2-Methylnaphthalene	0.701	0.754	0.010	7.6	20.0
Hexachlorocyclopentadiene	0.420	0.445	0.010	6.0	20.0
2,4,6-Trichlorophenol	0.482	0.490	0.010	1.7	20.0
2-Fluorobiphenyl	1.409	1.359	0.010	-3.5	20.0
2,4,5-Trichlorophenol	0.480	0.450	0.010	-6.3	20.0
1,1-Biphenyl	1.689	1.780	0.010	5.4	20.0
2-Chloronaphthalene	1.319	1.386	0.010	5.1	20.0
2-Nitroaniline	0.513	0.469	0.010	-8.6	20.0
Dimethylphthalate	1.633	1.466	0.010	-10.2	20.0
Acenaphthylene	2.110	2.075	0.010	-1.7	20.0
2,6-Dinitrotoluene	0.339	0.372	0.010	9.7	20.0
3-Nitroaniline	0.377	0.372	0.010	-1.3	20.0
Acenaphthene	1.339	1.224	0.010	-8.6	20.0
2,4-Dinitrophenol	0.152	0.156	0.010	2.6	20.0
4-Nitrophenol	0.283	0.328	0.010	15.9	20.0
Dibenzofuran	1.818	1.703	0.010	-6.3	20.0
2,4-Dinitrotoluene	0.458	0.489	0.010	6.8	20.0

Form VII SV-1

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: G4163 SAS No.: G4163 SDG No.: G4163

Instrument ID: BNA_F Calibration Date/Time: 10/31/2015 05:54

Lab File ID: BF082602.D Init. Calib. Date(s): 10/30/2015 10/30/2015

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 18:37 21:32

GC Column: RTX-5 ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.663	1.637	0.010	-1.6	20.0
4-Chlorophenyl-phenylether	0.713	0.683	0.010	-4.2	20.0
Fluorene	1.466	1.411	0.010	-3.8	20.0
4-Nitroaniline	0.359	0.344	0.010	-4.2	20.0
4,6-Dinitro-2-methylphenol	0.121	0.144	0.010	19.0	20.0
n-Nitrosodiphenylamine	0.688	0.719	0.010	4.5	20.0
2,4,6-Tribromophenol	0.219	0.220	0.010	0.5	20.0
4-Bromophenyl-phenylether	0.227	0.213	0.010	-6.2	20.0
Hexachlorobenzene	0.251	0.233	0.010	-7.2	20.0
Atrazine	0.225	0.225	0.010	0.0	20.0
Pentachlorophenol	0.166	0.176	0.010	6.0	20.0
Phenanthrene	1.128	1.050	0.010	-6.9	20.0
Anthracene	1.136	1.168	0.010	2.8	20.0
Carbazole	0.989	1.055	0.010	6.7	20.0
Di-n-butylphthalate	1.259	1.366	0.010	8.5	20.0
Fluoranthene	1.153	1.140	0.010	-1.1	20.0
Pyrene	1.481	1.531	0.010	3.4	20.0
Terphenyl-d14	0.914	0.889	0.010	-2.7	20.0
Butylbenzylphthalate	0.649	0.762	0.010	17.4	20.0
3,3-Dichlorobenzidine	0.438	0.464	0.010	5.9	20.0
Benzo(a)anthracene	1.270	1.259	0.010	-0.9	20.0
Chrysene	1.152	1.150	0.010	-0.2	20.0
Bis(2-ethylhexyl)phthalate	0.841	0.926	0.010	10.1	20.0
Di-n-octyl phthalate	1.312	1.375	0.010	4.8	20.0
Benzo(b)fluoranthene	1.379	1.200	0.010	-13.0	20.0
Benzo(k)fluoranthene	1.051	1.236	0.010	17.6	20.0
Benzo(a)pyrene	1.086	1.087	0.010	0.1	20.0
Indeno(1,2,3-cd)pyrene	0.950	1.050	0.010	10.5	20.0
Dibenzo(a,h)anthracene	1.013	1.096	0.010	8.2	20.0
Benzo(g,h,i)perylene	0.982	1.084	0.010	10.4	20.0
1,2,4,5-Tetrachlorobenzene	0.667	0.677	0.010	1.5	20.0
2,3,4,6-Tetrachlorophenol	0.406	0.388	0.010	-4.4	20.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G4163
QUOTE NO. Q1506120
COC Number 034967

7.1

CLIENT INFORMATION
REPORT TO BE SENT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT PROJECT INFORMATION
PROJECT NAME: 121-123 Reynolds Street
PROJECT NO.: 51365-15 LOCATION: Rochester, NY
PROJECT MANAGER: Jeff Danzinger
e-mail: jdanzinger@dayemail.net
PHONE: 585-454-6210 FAX: 585-454-0825

CLIENT BILLING INFORMATION
BILL TO: Day Environmental, Inc. PO#: 51365-15
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION
FAX: STD TAT DAYS *
HARD COPY: STD TAT DAYS *
EDD: STD TAT DAYS *
PREAPPROVED TAT: ☒ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☐ LEVEL 1: Results only
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☒ EDD Format: NYSDEC Equis Excel
☒ Other NYSDEC ASP Category B

ANALYSIS
1 TCL+STARS/CP-51 VOCs 8260
2 Reynolds Organics VOCs 624
3 SVOCs 625
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	026 - MW-1	W		X	10/23/15	1152	2	X									
2.	027 - MW-2	W		X	10/23/15	1142	2	X									
3.	028 - MW-3	W		X	10/23/15	1125	2	X									
4.	029 - MW-4	W		X	10/23/15	1113	2	X									
5.	030 - IDW (water)	W	X		10/23/15	0932	5		X	X							
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: A/E | A/E | E
← Specify Preservatives
A - HCl B - HNO_3
C - H_2SO_4 D - NaOH
E - ICE F - Other

Copy Original Documents are located in CSF
SNEMAZ
Signature
10-26-15
Date

G4162

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10-23-2015	1. FED-EX
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 10-26-15	RECEIVED FOR LAB BY:
3. FEDEX	11:35	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 3°C
Ice in Cooler?: YES

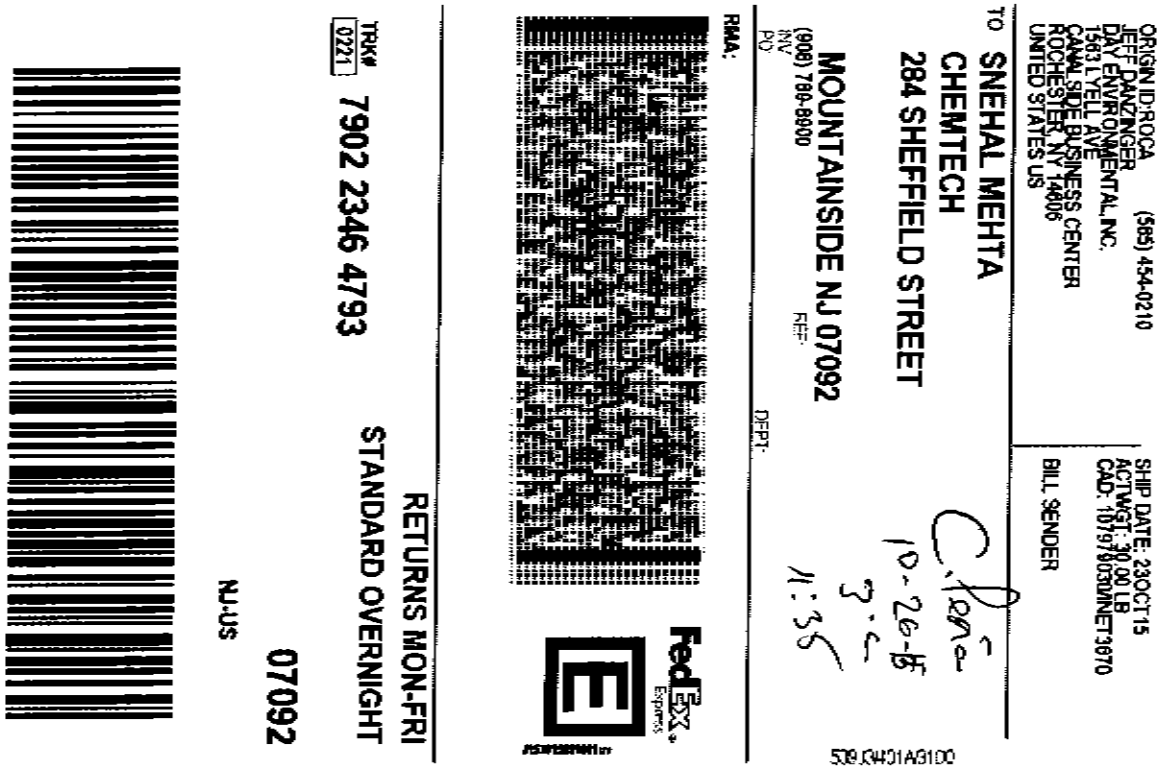
Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



1. Select the 'Print' button to print 1 copy of each label.
2. The Return Shipment instructions, which provide your recipient with information on the returns process, will be printed with the label(s).
3. After printing, select your next step by clicking one of the displayed buttons.

Note: To review or print individual labels, select the Label button under each label image above.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

From: Jeff Danzinger [JDanzinger@daymail.net]
Sent: Monday, October 26, 2015 12:10 PM
To: 'Snehal Mehta'
Subject: RE: 121-123 Reynolds St

Snehal,

Please provide 030-IDW2 in a separate report.

Thanks,

Jeff

From: Snehal Mehta [mailto:Snehal@chemtech.net]
Sent: Monday, October 26, 2015 12:09 PM
To: Jeff Danzinger
Subject: RE: 121-123 Reynolds St

Good Morning Jeff,

Attached is the COC of the samples received today. Let us know if you want all samples listed on attached COC as One report or '030-IDW2' sample (by 624 & 625) need separate report.

Regards,

Snehal Mehta

Tel. 908 728 3149
Fax: 908-789-8514



From: Jeff Danzinger [mailto:JDanzinger@daymail.net]
Sent: Friday, October 23, 2015 2:26 PM

To: 'Snehal Mehta'
Subject: 121-123 Reynolds St

Snehal,

Chemtech should receive the samples on the attached COC on Monday 10/26/2015.

Jeff

Jeffrey A. Danzinger
Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606
Phone: (585) 454-0210 ext:114
Fax: (585) 454-0825

This message may contain information that is privileged or confidential. If you are not the intended recipient or an employee or agent responsible for delivering this message to the intended recipient, you are not authorized to read, print, retain, copy or disseminate this message or any part of it. If you received this transmission in error, please notify the sender by reply e-mail and delete the message and any attachments.

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Connecticut	PH-0649
Florida	E87935
Louisiana	5035
Maryland	296
Massachusetts	M-NJ503
Pennsylvania	68-548
Rhode Island	LAO00259
Virginia	460220
Texas	T10470448-10-1

Other :

DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025	L2219
Soil Permit	P330-11-00012
CLP Inorganic Contract	EPW09038
CLP Organic Contract	EPW11030

QA Control Code: A2070148

APPENDIX F

Solid Investigation-Derived Waste Disposal Documentation

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 585-436-5660	4. Waste Tracking Number 15-0603

5. Generator's Name and Mailing Address
CITY OF ROCHESTER
121-123 REYNOLDS STREET
ROCHESTER NY 14608
Generator's Phone: 585 594-5645

Attn: KEITH HAMBLEY Generator's Site Address (if different than mailing address)

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
INDUSTRIAL OIL TANK SERVICE CORP.
120 DRY RD.
ORISKANY NY 13204
Facility's Phone: 315 736.6080

U.S. EPA ID Number: NYR000005298

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON RCRA NON DOT SOLIDS, NOS (GASOLINE IMPACTED SOIL CUTTINGS)	002	DM	00700	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
JOB # 1264 (TREC ENVIRONMENTAL) 55 GAL DRUMS
Pad 4

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: Jane Mullings Signature: [signature] Month: 11 Day: 25 Year: 15

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: [illegible] Signature: [signature] Month: 11 Day: 25 Year: 15

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: